

SYDNEY METRO - WESTERN SYDNEY AIRPORT

Footbridge at St Marys Station Detailed Noise and Vibration Impact Statement

Prepared for:

Laing O'Rourke Australia Construction Pty Ltd
Level 21, 100 Mount Street
North Sydney NSW 2060

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BASIS OF REPORT

This report has been prepared by SLR Consulting Australia Pty Ltd (SLR) with all reasonable skill, care and diligence, and taking account of the timescale and resources allocated to it by agreement with Laing O'Rourke Australia Construction Pty Ltd (the Client). Information reported herein is based on the interpretation of data collected, which has been accepted in good faith as being accurate and valid.

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- Appendix B – Noise impact Maps

Glossary and Abbreviations

Item	Description / Definition
AVTG	Assessing Vibration: a technical guideline (DEC, 2006)
dBA	Decibel, A-weighted
CEMP	Construction Environmental Management Plan
DEC	Department of Environment and Conservation (now EPA)
DECC	Department of Environment and Climate Change (now EPA)
DECCW	Department of Environment, Climate Change and Water (now EPA)
DPE	Department of Planning and Environment
EPA	Environment Protection Authority
ER	Environmental Representative
FSM	Footbridge at St Marys Station
HNA	Highly Noise Affected. Relates to construction noise levels of ≥ 75 dBA and is the point above which there may be strong community reaction to construction noise levels
ICNG	Interim Construction Noise Guideline (DECC, 2009)
LAeq	The average noise level during a measurement period, such as the daytime or night-time
LA _{Fmax}	The maximum noise level measured during a monitoring period, using 'fast' weighting (also known as the L1 level)
L90	The noise level exceeded for 90% of the sample period. This noise level is described as the average minimum background sound level (in the absence of the source under consideration), or simply the background level.
LOR	Laing O'Rourke Australia Construction Pty Ltd
NCA	Noise Catchment Area
NML	Noise Management Level
NPfi	Noise Policy for Industry
NSW	New South Wales
OOH	Out of Hours
OOHW	Out-of-Hours Work
Other sensitive receivers	Non-residential sensitive receivers, including hospitals, educational facilities, place of worship, child care centres, outdoor recreation areas, etc
RBL	Rating Background Level. This is the background noise level measured at a particular location. The method for calculating the RBL is defined in the NSW <i>Noise Policy for Industry</i>
Realistic worst-case scenarios	Realistic worst-case construction scenarios have been developed to assess the potential impacts from the project. These scenarios are based on the noisiest items of equipment which would likely be required to complete the work.
RMS	Root Mean Square
RNP	Road Noise Policy
SLR	SLR Consulting Australia Pty Ltd

Item	Description / Definition
SWL / Lw	Sound Power Level
Sydney Metro CNVS	Sydney Metro Construction Noise and Vibration Standard (Sydney Metro, 2020)
TfNSW	Transport for New South Wales
TfNSW CNVS	TfNSW Construction Noise and Vibration Strategy (TfNSW, 2020)
VC	Vibration Criterion
VDV	Vibration Dose Value
Worst-case impacts and noise levels	The worst-case (ie highest) impacts or noise levels predicted in this report

1 Introduction

SLR Consulting Australia Pty Ltd (SLR) has been engaged by Laing O'Rourke Australia Construction Pty Ltd (LOR) to prepare a detailed noise and vibration impact statement (DNVIS) for the Footbridge at St Marys Station (FSM) project. The FSM project forms part of the enabling works for the Sydney Metro Western Sydney Airport (the project) and is being undertaken as part of the Transport Access Program (TAP3).

This assessment has been prepared in accordance with the Construction Environmental Management Plan (CEMP) for FSM, as per the Minister's Condition of approval (CoA) E47. This report assesses the potential construction noise and vibration impacts associated with the construction of the FSM. An explanation of the specialist acoustic terminology used in this report is provided in **Appendix A**.

2 Project Description

Sydney Metro Western Sydney Airport (the project) is identified in the Greater Sydney Region Plan as a key element to delivering an integrated transport system for the Western Parkland City. The project received planning approval on 23 July 2021 (SSI 10051). The project will be located within the Penrith and Liverpool local government areas and will provide a new metro railway between St Marys in the north and the Aerotropolis Core precinct in the south, via Western Sydney International (Nancy-Bird Walton) Airport.

The project will provide a connection between the existing Sydney Trains suburban rail network at St Marys and six new metro stations. The project will also form part of the Sydney Metro network which comprises Metro North West Line, Sydney Metro City & Southwest and Sydney Metro West. Advanced Enabling Works (AEW) are required to establish construction sites for the project and facilitate construction activities. The FSM project is included within the AEW.

2.1 Site Description

St Marys Railway Station is located on the T1- North Shore & Western Line between Kalang Avenue and Glossop Street. The station is located about 40 Kilometres west of the Sydney Central Business District (CBD) in the suburb of St Marys, within in the Penrith Local Government Area. The FSM project will connect the north and south of the station precinct. The FSM works will allow for the interchange between the future SMWSA St Marys metro station, Harris Street car-park, and existing Sydney Trains platforms at St Marys. The St Marys Railway Station Group, including the goods shed, jib crane, and station building are all heritage listed items.

The land uses in the wider St Marys area is generally characterised by an urbanised environment. St Marys Town Centre is one of the two main retail/commercial centres in the Penrith local government area (LGA). The town centre is surrounded primarily by residential, education, open space and recreation areas adjacent to South Creek in the west. A mix of low to medium density, multi-unit residential developments are located in the vicinity of the existing St Marys Station and to the east of the town centre. Outside the town centre, land uses transition to a more residential urban setting around the suburbs of Werrington, Claremont Meadows and Caddens. Werrington comprises a mix of educational, low density residential, plus industrial and recreation uses interspersed with vacant rural land.

The land zoning identified between St Marys and the M4 Western Motorway includes low, medium and high density residential, local business/commercial, parkland and open space. North of the rail corridor, the land zoning consists primarily of industrial, low density residential, parkland and open space.

The FSM project location and study area with sensitive receivers and noise catchment areas (NCAs) are presented in **Figure 1** and the works areas are shown in **Figure 2**.

The works will occur on land zoned as SP2 (Infrastructure), i.e. the rail corridor and platform areas surrounding St Marys Station. Laydown and compound areas will be situated north of the rail corridor on land zoned as industrial. Additional laydown areas are also located at the eastern and western extent of the site as shown in **Figure 2**.

2.2 Scope of this DNVIS

The focus of this DNVIS is the construction of the Footbridge at St Marys Station (FSM). The FSM site is located at the existing St Marys train station, North St Marys NSW. The FSM scope of work involves the following:

- Demolition and removal of all existing structures and services affected by the FSM work
- Construction of a footbridge spanning the Sydney Trains T1 line at St Marys Station
- Installation of vertical transportation comprising stairs, four escalators and five lifts
- Modifications to existing Sydney Trains assets to enable the construction of the footbridge including closed-circuit television (CCTV), public address (PA) and over-head wire system (OHWS) etc
- Construction of stairs and canopies which form part of the footbridge structure
- Installation and construction of Sydney Trains services, facilities and rooms
- Installation of new lighting, passenger information display system (PIDS), PA, CCTV, ticketing, communications network equipment, ventilation, plumbing and all related systems
- Electrical earthing, bonding protection and stray current mitigation
- Northern/Harris St landscaping, plaza, bike storage, kerb side transport.

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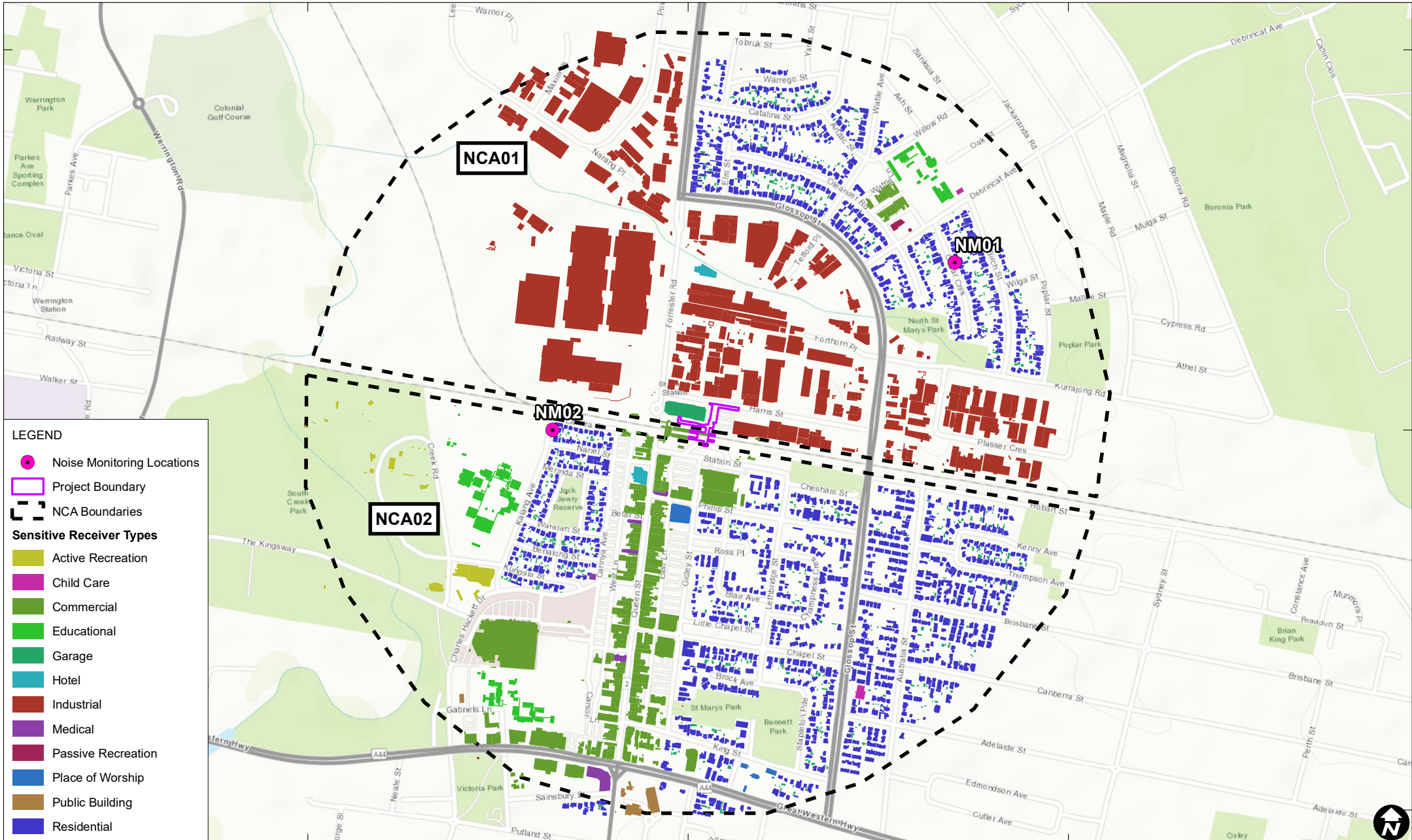
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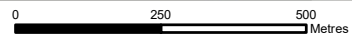
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LEGEND

- Noise Monitoring Locations
- Project Boundary
- NCA Boundaries
- Sensitive Receiver Types**
- Active Recreation
- Child Care
- Commercial
- Educational
- Garage
- Hotel
- Industrial
- Medical
- Passive Recreation
- Place of Worship
- Public Building
- Residential



Scale: 1:13,000 at A4
 Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 4/07/2022
 Project Number: 610.30899

Data Source: ESRI Imagery



PROJECT LOCATION

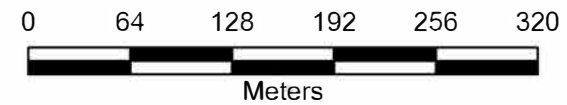
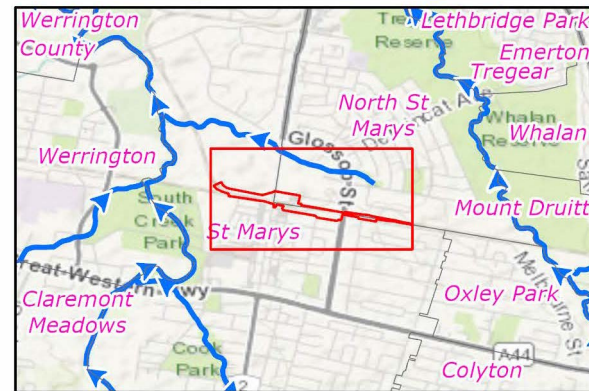
FIGURE 1



Legend

- ▲ Site Access Points
- Laydown/Stockpiles
- Project Boundary
- Construction Footprint
- Site Compound
- Stage 1 Design Layout

Project Extent Map



Client: Laing O'Rourke Australia Construction (LORAC)	
Project: Southwest Metro Corridor & Bankstown Station & Additional Corridor Works (SMC & BAC)	
Environmental Control Map: Project Boundary, Main Compound and Work Areas	
Spatial Reference Name: GCS GDA 1994	
Figure Number: 2	Page Size: A3
Date Exported: 27/10/2022	Scale: 1:4,750
Revision Number: 2	Prepared By: DP
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2.3 Justification of Out-of-Hours Works (OOHW)

All work on or adjacent to active train lines would be carried out in accordance with a relevant rail possession to facilitate safe work within the rail corridor. The approved project hours are defined in CoA E38 and outlined below:

- 7:00 am to 6:00 pm Mondays to Fridays, inclusive.
- 8:00 am to 1:00 pm Saturdays.
- at no time on Sundays or public holidays.

Where a rail possession cannot be obtained for the above hours and/or proposed works cannot be undertaken safely during these hours, some works will be required to be undertaken outside of standard hours (ie Out of Hours Work, OOHW).

All out of hours works (except in emergency situations) will be managed under the Sydney Metro Out of Hours Works Protocol as required under CSSI Condition E42, which applies to out of hours work not subject to an EPL. The OOHW Protocol provides a framework for the management of out of hours works including management of impacts and implementation of respite for impacted residences. The Protocol requires the contractor to prepare an OOH works application for approval by Sydney Metro and the project Environmental Representative (ER).

3 Project Requirements

This DNVIS has been developed to satisfy the requirements of the CoA E47 and the Sydney Metro Construction Noise and Vibration Standard (CNVS).

The CNVS requirements for the DNVIS are described in detail in section 3.1 of the CNVS. A brief summary of the objectives of the DNVIS includes:

- Identify sensitive receivers
- Establish background noise levels, noise management levels (NML) and vibration management levels
- Determine sound power levels (SWL) for noise generating equipment
- Predict noise impacts from the expected construction scenarios and assess against NMLs for each sensitive receiver including sleep disturbance
- Identify potential vibration impacts
- Determine management and mitigation measures for noise and vibration impacts.

A list of applicable requirements from the CoA which are applicable to the preparation of this DNVIS is provided in **Table 1** below. Other requirements relevant to Noise and Vibration including E41 Variation to work hours, E42 Out of hours work protocol are further detailed in the CEMP.

Table 1 Construction noise and vibration management compliance matrix

ID	Requirements	Document Reference
E37	A detailed land use survey must be undertaken to confirm sensitive land use(s) (including critical working areas such as operating theatres and precision laboratories) potentially exposed to construction noise and vibration and construction ground-borne noise. The survey may be undertaken on a progressive basis but must be undertaken in any one area before the commencement of work which generates construction noise, vibration or ground-borne noise in that area. The results of the survey must be included in the Detailed Noise and Vibration Impact Statements required under Condition E47 .	Section 4.2, Figure 1
E38	Work must only be undertaken during the following hours: a) 7:00am to 6:00pm Mondays to Fridays, inclusive; b) 8:00am to 1:00pm Saturdays; and c) at no time on Sundays or public holidays.	Section 2.3
E39	Except as permitted by an EPL or approved in accordance with the Out-of-Hours Works Protocol required by Condition E42 , highly noise intensive work that result in an exceedance of the applicable NML at the same receiver must only be undertaken: a) between the hours of 8:00 am to 6:00 pm Monday to Friday; b) between the hours of 8:00 am to 1:00 pm Saturday; and c) if continuously, then not exceeding three (3) hours, with a minimum cessation of work of not less than one (1) hour. For the purposes of this condition, 'continuously' includes any period during which there is less than one (1) hour between ceasing and recommencing any of the work.	Section 8.2, Section 8.5
E40	The Approval Does not permit blasting	Not Applicable, Blasting not part of Project design.
E41	Variation to work hours	Refer to CEMP
E42	Out of hours work Protocol	Refer to CEMP
E43	Mitigation measures must be implemented with the aim of achieving the following construction noise management levels and vibration criteria:	Section 8, Section 8.2
	a) construction 'Noise affected' noise management levels established using the Interim Construction Noise Guideline (DECC, 2009);	Section 5.2
	b) preferred vibration criteria established using the Assessing vibration: a technical guideline (DEC, 2006) (for human exposure);	Section 5.5
	c) Australian Standard AS 2187.2 – 2006 "Explosives – Storage and Use – Use of Explosives" (for human exposure);	Not Applicable, Blasting not part of Project design.
	d) BS 7385 Part 2-1993 "Evaluation and measurement for vibration in buildings Part 2" as they are "applicable to Australian conditions"; and	Section 5.5
e) the vibration limits set out in the German Standard DIN 4150-3: Structural Vibration- effects of vibration on structures (for structural damage for structurally unsound heritage items).	Section 5.5	

ID	Requirements	Document Reference
	Any work identified as exceeding the noise management levels and / or vibration criteria must be managed in accordance with the Noise and Vibration CEMP Sub-plan.	Section 8.4
	Note: The ICNG identifies 'particularly annoying' activities that require the addition of 5 dB(A) to the predicted level before comparing to the construction Noise Management Level.	Section 6.1.1
E44	<p>All reasonable and feasible mitigation measures must be applied when the following residential ground-borne noise levels are exceeded:</p> <p>(a) evening (6:00 pm to 10:00 pm) — internal LAeq(15 minute): 40 dB(A); and</p> <p>(b) night (10:00 pm to 7:00 am) — internal LAeq(15 minute): 35 dB(A).</p> <p>The mitigation measures must be outlined in the Noise and Vibration CEMP Sub-plan, including in any Out-of-Hours Work Protocol, required by Condition E42</p>	<p>Not applicable to surface construction works for this project.</p> <p>Section 6.4</p>
E45	Noise generating work in the vicinity of potentially-affected community, religious, educational institutions and noise and vibration-sensitive businesses and critical working areas (such as theatres, laboratories and operating theatres) resulting in noise levels above the NMLs must not be timetabled within sensitive periods, unless other reasonable arrangements with the affected institutions are made at no cost to the affected institution.	Section 8.2
E46	Industry best practice construction methods must be implemented where reasonably practicable to ensure that noise levels are minimised around sensitive land user(s). Practices must include, but are not limited to:	Section 8.2
	a) use of regularly serviced low sound power equipment;	Section 8.2
	b) at source control, temporary noise barriers (including the arrangement of plant and equipment) around noisy equipment and activities such as rock hammering and concrete cutting;	Section 8.2
	c) use of non-tonal reversing alarms; and	Section 8.2
	d) use of alternative construction and demolition techniques.	Section 8.2, Section 8.8
E47	Detailed Noise and Vibration Impact Statements (DNVIS) must be prepared for any work that may exceed the NMLs, vibration criteria and / or ground-borne noise levels specified in Conditions E43 and E44 at any residence outside construction hours identified in Condition E38 , or where receivers will be highly noise affected or subject to vibration levels above those otherwise determined as appropriate by a suitably qualified structural engineer under Condition E87 . The DNVIS must include specific mitigation measures identified through consultation with affected sensitive land user(s) and the mitigation measures must be implemented for the duration of the works. A copy of the DNVIS must be provided to the ER before the commencement of the associated works. The Planning Secretary and the EPA may request a copy(ies) of the DNVIS .	This DNVIS, Section 8.2, Section 8.3

ID	Requirements	Document Reference
E48	<p>Owners and occupiers of properties at risk of exceeding the screening criteria for cosmetic damage must be notified before works that generate vibration commences in the vicinity of those properties. If the potential exceedance is to occur more than once or extend over a period of 24 hours, owners and occupiers must be provided a schedule of potential exceedances on a monthly basis for the duration of the potential exceedances, unless otherwise agreed by the owner and occupier. These properties must be identified and considered in the Noise and Vibration CEMP Sub-plan.</p>	Section 8.2
E49	<p>Where sensitive land use(s) are identified in Appendix B as exceeding the highly noise affected criteria during typical case construction, mitigation measures must be implemented with the objective of reducing typical case construction noise below the highly noise affected criteria at each relevant sensitive landuse(s). Activities that would exceed highly noise affected criteria during typical case construction must not commence until the measures identified in this condition have been implemented, unless otherwise agreed with the Planning Secretary.</p> <p><i>Note: Mitigation measures may include path barrier controls such as acoustic sheds and/or noise walls, at-property treatment, or a combination of path and at-property treatment.</i></p>	Section 6.2, Table 20 Section 8.2 Appendix B & C
E51	<p>Where Condition E49 determines that at-property treatment (temporary or permanent) is the appropriate measure to reduce noise impacts, this at-property treatment must be offered to landowners of residential properties for habitable living spaces, unless other mitigation or management measures are agreed to by the landowner. Landowners must be advised of the range of options that can be installed at or in their property and given a choice as to which of these they agree to have installed. A copy of all guidelines and procedures that will be used to determine at-property treatment at their residence must be provided to the landowner.</p>	Section 8.2
E52	<p>Any offer for at-property treatment or the application of other noise mitigation measures in accordance with Condition E51, does not expire until the noise impacts specified in Condition E49, affecting that property are completed, even if the landowner initially refuses the offer. Note: If an offer has been made but is not accepted, this does not preclude the commencement of construction under Condition E49.</p>	Section 8.2
E53	<p>The implementation of at-property treatment does not preclude the application of other noise and vibration mitigation and management measures including temporary and long term accommodation.</p>	Section 8.2
E54	<p>Vibration testing must be conducted during vibration generating activities that have the potential to impact on Heritage items to verify minimum working distances to prevent cosmetic damage. In the event that the vibration testing and attended monitoring shows that the preferred values for vibration are likely to be exceeded, the Proponent must review the construction methodology and, if necessary, implement additional mitigation measures. Such measures must include, but not be limited to, review or modification of excavation techniques.</p>	Section 8.2
E55	<p>The Proponent must seek the advice of a heritage specialist on methods and locations for installing equipment used for vibration, movement and noise monitoring at Heritage items.</p>	Section 8.2

ID	Requirements	Document Reference
E56	<p>All work undertaken for the delivery of the CSSI, including those undertaken by third parties (such as utility relocations), must be coordinated to ensure respite periods are provided. The Proponent must:</p> <ul style="list-style-type: none"> a) reschedule any work to provide respite to impacted noise sensitive land use(s) so that the respite is achieved in accordance with Condition E57; or b) consider the provision of alternative respite or mitigation to impacted noise sensitive land use(s); and c) provide documentary evidence to the ER in support of any decision made by the Proponent in relation to respite or mitigation. <p>The consideration of respite must also include all other approved Critical SSI, SSI and SSD projects which may cause cumulative and / or consecutive impacts at receivers affected by the delivery of the CSSI.</p>	<p>Section 8.2, Section 8.5</p>
E57	<p>In order to undertake out-of-hours work outside the work hours specified under Condition E38, appropriate respite periods for the out-of-hours work must be identified in consultation with the community at each affected location on a regular basis. This consultation must include (but not be limited to) providing the community with:</p> <ul style="list-style-type: none"> a) a progressive schedule for periods no less than three (3) months, of likely out-of-hours work; b) a description of the potential work, location and duration of the out-of-hours work; c) the noise characteristics and likely noise levels of the work; and d) likely mitigation and management measures which aim to achieve the relevant NMLs under Condition E43 (including the circumstances of when respite or relocation offers will be available and details about how the affected community can access these offers). <p>The outcomes of the community consultation, the identified respite periods and the scheduling of the likely out-of-hour work must be provided to the ER, EPA and the Planning Secretary prior to the out-of-hours work commencing.</p> <p>Note: Respite periods can be any combination of days or hours where out-of-hours work would not be more than 5 dB(A) above the RBL at any residence.</p>	<p>Section 8.2, Section 8.5, Section 8.6</p>

4 Existing Environment

4.1 Noise Catchment Areas

The FSM study area has been divided into two Noise Catchment Areas (NCAs) adapted from the *Sydney Metro Western Sydney Airport - Environmental Impact Statement (EIS)*. These NCAs reflect the ambient noise environment of that area, as well as the noise and vibration sensitivity of the surrounding land uses. These two NCA are described in **Table 2** below and presented in **Figure 1**.

Table 2 Noise Catchment Areas

NCA	Description
NCA01	North of the existing rail corridor, mainly industrial/commercial receivers adjacent to St Marys Station. Residential receivers are located further to the north east in the suburb of North St Marys.
NCA02	South of the existing rail corridor, mainly residential receivers in the broader area. Other sensitive receivers are located along Queen St running south from St Marys Station to the Great Western Hwy. Other sensitive receivers include the St Marys Hotel and the Emerald Medical Centre.

4.2 Sensitive Receivers

A detailed Land Use Survey was prepared in accordance with CoA E37 to confirm sensitive receivers (including critical working areas such as operating theatres and precision laboratories) potentially exposed to construction noise and vibration and construction ground-borne noise as a result of the Project, refer **Figure 1**.

Receivers potentially sensitive to noise and vibration have been categorised as residential buildings, commercial/industrial buildings, or 'other sensitive' land uses which includes educational institutions, childcare centres, medical facilities, places of worship, outdoor recreation areas, etc.

This assessment identifies the likely maximum impacts for each receiver in the vicinity of the Project. Some buildings may contain more than one use, for example residential apartments with commercial uses on ground floor. Where this occurs, the building is categorised using the most stringent criteria. Receiver types and locations are shown in **Figure 1**. Addresses and usage for receivers shown in **Figure 1** are included within Appendix C.

4.3 Unattended Noise Monitoring

Unattended noise monitoring was completed for the project between February and March 2020 as part of the EIS. These measured 2020 baseline noise levels surrounding the St Marys Station have been used to determine the existing noise environment and to set the criteria used to assess the potential impacts from the FSM project.

The monitoring equipment was positioned to measure existing noise levels that are representative of receivers potentially most affected by the project. The noise monitoring equipment continuously measured existing noise levels in 15-minute periods during the daytime, evening and night-time.

The noise monitoring locations are shown in **Figure 1** and the results are summarised in **Table 3**. Further information regarding the monitoring, including methodology and detailed data, is provided in the EIS (Technical Paper 2 - Noise and Vibration). This unattended noise monitoring data is considered sufficient for the assessment of construction noise and additional baseline noise monitoring is not proposed for the preparation of the DNVIS.

Table 3 Summary of Ambient and Background Noise Levels

Study Area	ID	NCA	Address	Measured Noise Levels (dBA) ¹					
				Background Noise (RBL) ²			Average Noise (LAeq) ²		
				Day	Evening	Night	Day	Evening	Night
St Marys	NM.01	NCA01	12 Cedar Crescent, North St Marys	38	41 (38) ³	40 (38) ⁴	53	53	50
	NM.02	NCA02	47 Kalang Avenue, St Marys	37	40 (37) ³	36	55	59	51

Note 1: The Rating Background Levels (RBLs) and Ambient (LAeq) noise levels have been obtained from the EIS

Note 2: The assessment periods are the daytime which is 7 am to 6 pm Monday to Saturday and 8 am to 6 pm on Sundays and public holidays, the evening which is 6 pm to 10 pm, and the night-time which is 10 pm to 7 am on Monday to Saturday and 10 pm to 8 am on Sunday and public holidays. See the NSW EPA *Noise Policy for Industry*

Note 3: The evening RBL has been reduced to match the daytime RBL due to the measured evening RBL being higher than the daytime, as outlined in the NSW EPA *Noise Policy for Industry* (NPfi)

Note 4: The night-time RBL has been reduced to match the evening RBL due to the measured night-time RBL being higher than the evening, as outlined in the NPfi.

5 Assessment Criteria

5.1 Construction Noise and Vibration Guidelines

The standards and guidelines relevant to this DNVIS are listed in **Table 4**. These guidelines aim to protect the community and environment from excessive noise and vibration impacts during construction of projects.

Table 4 Construction Noise and Vibration Standards and Guidelines

Guideline/Policy Name	Where Guideline Used
Interim Construction Noise Guideline (ICNG) (DECC, 2009)	Assessment of airborne noise impacts on sensitive receivers
Sydney Metro Construction Noise and Vibration Standard (Sydney Metro CNVS) (Sydney Metro, 2020)	Assessment and management protocols for construction of Sydney Metro projects. This Sydney Metro standard is based on the requirements of the ICNG and Transport for NSW CNVS, as appropriate to Sydney Metro and is the guiding strategy for assessing and managing the potential impacts during construction of Sydney Metro projects
Road Noise Policy (RNP) (DECCW, 2011)	Assessment of construction traffic impacts

Guideline/Policy Name	Where Guideline Used
BS 7385 Part 2-1993 Evaluation and measurement for vibration in buildings Part 2, BSI, 1993	Assessment of vibration impacts (structural damage) to non-heritage sensitive structures
DIN 4150:Part 3-2016 Structural vibration – Effects of vibration on structures, Deutsches Institute fur Normung, 1999	Screening assessment of vibration impacts (structural damage) to heritage sensitive structures, where the structure is found to be unsound
Assessing Vibration: a technical guideline (AVTG) (DEC, 2006)	Assessment of vibration impacts on sensitive receivers

5.2 Interim Construction Noise Guideline

The NSW *Interim Construction Noise Guideline* (ICNG) is used to assess and manage impacts from construction noise on residences and other sensitive land uses in NSW.

The ICNG contains procedures for determining project specific Noise Management Levels (NMLs) for sensitive receivers based on the existing background noise in the area. The 'worst-case' noise levels from construction of a project are predicted and then compared to the NMLs in a 15-minute assessment period to determine the likely impact of the project.

The NMLs are not mandatory limits, however, where construction noise levels are predicted or measured to be above the NMLs, feasible and reasonable work practices to minimise noise emissions are to be investigated.

Residential Receivers

The ICNG approach for determining NMLs at residential receivers is shown in **Table 5**.

Table 5 ICNG NMLs for Residential Receivers

Time of Day	NML LAeq(15minute)	How to Apply
Standard Construction Hours Monday to Friday 7:00 am to 6:00 pm Saturday 8:00 am to 1:00 pm	Noise affected RBL ¹ + 10 dB	The noise affected level represents the point above which there may be some community reaction to noise Where the predicted or measured LAeq(15minute) is greater than the noise affected level, the proponent should apply all feasible and reasonable work practices to meet the noise affected level The proponent should also inform all potentially impacted residents of the nature of works to be carried out, the expected noise levels and duration, as well as contact details.

Time of Day	NML LAeq(15minute)	How to Apply
No work on Sundays or public holidays	Highly Noise Affected 75 dBA	The Highly Noise Affected (HNA) level represents the point above which there may be strong community reaction to noise Where noise is above this level, the relevant authority (consent, determining or regulatory) may require respite periods by restructuring the hours that the very noisy activities can occur, taking into account: Times identified by the community when they are less sensitive to noise (such as before and after school for works near schools or mid-morning or mid-afternoon for works near residences If the community is prepared to accept a longer period of construction in exchange for restrictions on construction times.
Outside Standard Construction Hours	Noise affected RBL + 5 dB	A strong justification would typically be required for works outside the recommended standard hours The proponent should apply all feasible and reasonable work practices to meet the noise affected level Where all feasible and reasonable practises have been applied and noise is more than 5 dB above the noise affected level, the proponent should negotiate with the community.

Note 1: The RBL is the Rating Background Level and the ICNG refers to the calculation procedures in the NSW *Industrial Noise Policy* (INP). The INP has been superseded by the NSW EPA *Noise Policy for Industry* (NPfi).

Sleep Disturbance

The Sydney Metro CNVS has adopted the NPfi method for assessing sleep disturbance. Although the NPfi sleep disturbance criteria relates to industrial noise, it is also considered relevant for reviewing potential impacts from construction noise as a screening criterion to identify the need for further assessment.

The NPfi notes that a detailed maximum noise level assessment should be undertaken where a project results in night-time noise levels which exceed 52 dBA LAF_{max} or the prevailing background level plus 15 dB, whichever is the greater.

The EIS also defines a sleep awakening level of 65 dBA LAF_{max} (external), which was determined based on the RNP. The awakening reaction level is the level above which residents are likely to be awoken from sleep.

This assessment applies the CNVS approach from the lower criteria (NPfi) to establish the screening level for sleep disturbance.

Project Residential NMLs

Residential NMLs for the FSM project have been determined in accordance with the requirements of the ICNG and the Sydney Metro CNVS as described above and are shown in **Table 6**.

Table 6 Project Residential NMLs

NCA	Receiver Type	Representative Logger Location	Noise Management Level (L _{Aeq} (15minute) – dBA)				Sleep Disturbance Screening Level (52 dBA or RBL +15 dB whichever is higher) (L _{Amax} dBA)
			Approved Construction Hours (RBL+10dB)	Out of Hours (RBL+5dB)			
			Daytime	Daytime ¹	Evening	Night-time	
NCA01	Residential	NM.01	48	43	43	43	53
NCA02	Residential	NM.02	47	42	42	41	52

Note 1: Daytime out of hours is 7 am to 8 am and 1pm to 6pm on Saturday, and 8 am to 6 pm on Sunday and public holidays

‘Other Sensitive’ Land Uses and Commercial Receivers

The NMLs for ‘other sensitive’ non-residential land uses are shown in **Table 7** and **Table 8**. These have been adopted from the ICNG, Sydney Metro CNVS, *AS2107:2016 Acoustics – Recommended design sound levels and reverberation times for building interiors*.

Table 7 NMLs for ‘Other Sensitive’ Receivers - ICNG

Land Use	Assessment Period	Noise Management Level L _{Aeq} (15minute) (dBA)	
		Internal	External
ICNG ‘Other Sensitive’ Receivers			
Classrooms at schools and other educational institutions	When in use	45	55 ¹
Hospital wards and operating theatres	When in use	45	65 ²
Places of worship	When in use	45	55 ¹
Active recreation areas (characterised by sporting activities and activities which generate noise)	When in use	-	65
Passive recreation areas (characterised by contemplative activities that generate little noise)	When in use	-	60
Commercial	When in use	-	70
Industrial	When in use	-	75

Note 1: It is assumed that these receivers have windows partially open for ventilation which results in internal noise levels being around 10 dB lower than the external noise level.

Note 2: It is assumed that these receivers have fixed windows which conservatively results in internal noise levels being around 20 dB lower than the external noise level.

Table 8 NMLs for ‘Other Sensitive’ Receivers – Additional

Land Use	Assessment Period	Noise Management Level L _{Aeq} (15minute) (dBA)	
		Internal	External
Non-ICNG ‘Other Sensitive’ Receivers			
Hotel ³	Day / Evening	50	70 ²
	Night-time	40	60 ²

Land Use	Assessment Period	Noise Management Level LAeq(15minute) (dBA)	
		Internal	External
Café / Bar / Restaurant ³	When in use	50	70 ²
Child Care Centres – Sleeping areas ⁴	When in use	40	50 ¹
Public Building	When in use	50	60 ¹
Recording Studio	When in use	25	45 ²
Theatre/Auditorium	When in use	30	50 ²

Note 1: It is assumed that these receivers have windows partially open for ventilation which results in internal noise levels being around 10 dB lower than the external noise level.

Note 2: It is assumed that these receivers have fixed windows which conservatively results in internal noise levels being around 20 dB lower than the external noise level.

Note 3: Adopted from AS2107.

Note 4: Adopted from *Association of Australian Acoustical Consultants Guideline for Child Care Centre Acoustic Assessment*.

5.3 Construction Road Traffic Noise Guidelines

The potential impacts from construction traffic on public roads are assessed under the NSW EPA *Road Noise Policy* (RNP) and the Sydney Metro CNVS.

An initial screening test is first applied to evaluate if existing road traffic noise levels are expected to increase by more than 2.0 dB as a result of construction traffic. Where this is considered likely, further assessment is required using the RNP base criteria shown in **Table 9**.

Table 9 RNP Criteria for Assessing Construction Vehicles on Public Roads

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

5.4 Ground-borne Noise

Construction work can cause ground-borne (structure-borne or regenerated) noise impacts in nearby buildings when vibration intensive equipment is in use, such as during tunnelling or excavation work using tunnel boring machines, road headers or rock breakers. Vibration can be transmitted through the ground and into nearby buildings, which can then create audible noise impacts inside the building.

Ground-borne noise NMLs are applicable where ground-borne noise levels are likely to be higher than airborne noise levels, which can occur where work is underground or where surface work is shielded by noise barriers or other structures.

The internal ground-borne noise criteria for residential and commercial receivers are shown in **Table 10**.

Table 10 Ground-borne Noise Criteria

Receiver Type	Noise Management Level ($L_{Aeq(15\text{minute})}$ – dBA)		
	Daytime ¹	Evening ²	Night-time ²
Residential	45	40	35
Commercial	50	n/a	n/a

Note 1: Daytime ground-borne noise NMLs taken from preceding Sydney Metro planning applications for consistency. Daytime ground-borne noise NMLs are not specified in the ICNG or Sydney Metro CNVS.

Note 2: Specified in the Sydney Metro CNVS and ICNG.

For other sensitive receivers, including commercial receivers such as offices and retail areas, the ICNG and Sydney Metro CNVS do not provide guidance in relation to acceptable ground-borne noise levels. For the purpose of this DNVIS, the internal airborne NMLs presented in **Table 7** and **Table 8** will also be adopted for ground-borne noise.

5.5 Vibration Guidelines

The effects of vibration from construction work can be divided into three categories:

- Those in which the occupants of buildings are disturbed (**human comfort**). People can sometimes perceive vibration impacts when vibration generating construction work is located close to occupied buildings. Vibration from construction work tends to be intermittent in nature and the AVTG (DEC, 2006) provides criteria for intermittent vibration based on the Vibration Dose Value (VDV), as shown in **Table 11**.
- Those where the integrity of the building may be compromised (**structural/cosmetic damage**). If vibration from construction work is sufficiently high, it can cause cosmetic damage to elements of affected buildings. Industry standard cosmetic damage vibration limits are specified in British Standard BS 7385 and German Standard DIN 4150. The limits are shown in **Table 12** and **Table 13**.
- Those where building contents may be affected (**building contents**). People perceive vibration at levels well below those likely to cause damage to building contents. For most receivers, the human comfort vibration criteria are the most stringent and it is generally not necessary to set separate criteria for vibration effects on typical building contents. Exceptions to this can occur when vibration sensitive equipment, such as electron microscopes or medical imaging equipment, are in buildings near to construction work, refer **Section 5.5.3**.

Table 11 Human Comfort Vibration – Vibration Dose Values for Intermittent Vibration

Building Type	Assessment Period	Vibration Dose Value ¹ ($m/s^{1.75}$)	
		Preferred	Maximum
Critical Working Areas (eg operating theatres or laboratories)	Day or night-time	0.10	0.20
Residential	Daytime	0.20	0.40
	Night-time	0.13	0.26
Offices, schools, educational institutions and places of worship	Day or night-time	0.40	0.80
Workshops	Day or night-time	0.80	1.60

Note 1: The VDV accumulates vibration energy over the daytime and night-time assessment periods, and is dependent on the level of vibration as well as the duration.

Table 12 Cosmetic Damage – BS 7385 Transient Vibration Values for Minimal Risk of Damage

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

Note 1: Where the dynamic loading caused by continuous vibration may give rise to dynamic magnification due to resonance, especially at the lower frequencies where lower guide values apply, then the guide values may need to be reduced by up to 50%.

Note 2: Rock breaking/hammering and sheet piling activities are considered to have the potential to cause dynamic loading in some structures (eg residences) and it may therefore be appropriate to reduce the transient values by 50%.

Table 13 Cosmetic Damage – DIN 4150 Guideline Values for Short-term Vibration on Structures

Group	Type of Structure	Guideline Values Vibration Velocity (mm/s)				
		Foundation, All Directions at a Frequency of			Topmost Floor, Horizontal	Floor Slabs, Vertical
		1 to 10 Hz	10 to 50 Hz	50 to 100 Hz	All frequencies	All frequencies
1	Buildings used for commercial purposes, industrial buildings and buildings of similar design	20	20 to 40	40 to 50	40	20
2	Residential buildings and buildings of similar design and/or occupancy	5	5 to 15	15 to 20	15	20
3	Structures that, because of their particular sensitivity to vibration, cannot be classified as Group 1 or 2 and are of great intrinsic value (eg heritage listed buildings)	3	3 to 8	8 to 10	8	20 ¹

Note 1: It may be necessary to lower the relevant guideline value markedly to prevent minor damage.

5.5.1 General Vibration Screening Levels

As outlined in the Sydney Metro CNVS, for most construction activities involving intermittent vibration sources (eg rock breakers, piling rigs, vibratory rollers and excavators) the predominant vibration energy occurs at frequencies greater than 4 Hz (and usually in the 10 Hz to 100 Hz range). On this basis, a conservative vibration damage screening level (Peak Particle Velocity [PPV]) per receiver type is given below:

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

The St Marys Station: Enabling Works – Heritage Management Procedure also provides conservative general vibration screening levels (Peak Particle Velocity [PPV]) for heritage buildings:

- Reinforced or framed structures: 10 mm/s

- Unreinforced or light framed structures: 5 mm/s

At locations where measured vibration levels are greater than shown above, a more detailed analysis of the building structure, vibration source, dominant frequency and dynamic characteristics of the structure would be required to determine the applicable safe vibration levels.

5.5.2 Heritage Buildings or Structures

Heritage listed buildings and structures should be considered on a case-by-case basis but as noted in the Sydney Metro CNVS, should not be assumed to be more sensitive to vibration, unless structurally unsound. In accordance with CoA E43, where a heritage building is deemed to be sensitive (following inspection), a more conservative cosmetic damage criterion of 2.5 mm/s peak component particle velocity (from DIN 4150) must be applied, refer **Table 13** (group 3). The following heritage structures have been identified nearby the project site with the potential for impacts:

- **St Marys Railway Station Group** – State *Heritage Register* and *Penrith Local Environmental Plan 2010*. The St Marys Railway buildings and structures buildings are good examples of the Colonial Georgian style of late nineteenth century railway architecture. Including:
 - **Platforms 1/2 and 3/4** (1888 & 1942-3) – two island platforms with concrete faces and decks topped with asphalt finish. Corrugated metal pitched canopies supported on a steel beam and column frames provide protection over both platforms with the canopy on Platform 3/4 extending around the existing 1888 Waiting Room roof and awning, which remain visible above the new canopy.
 - **Platforms 3/4 building** (1888) – St Marys station building is a type 3 second class station building and is constructed of brick with centrally located waiting room flanked by attached two small wings on both ends.
 - **Additional structures** Signal Box (1942), the Goods Shed (C.1880), the Footbridge (1942), and the Crane (1943)

Note: Impacts are not anticipated at other heritage buildings or structures within the St Marys Railway Station Group such as, the Signal Box (1942), the Goods Shed (C.1880), the Footbridge (1942), and the Crane (1943).

These heritage structures are currently in use and/or classified with 'Good' physical condition on the state heritage inventory and are therefore not deemed structurally unsound, or more sensitive to vibration. Refer **Section 0** for details on the vibration assessment.

5.5.3 Sensitive Scientific Equipment

Some scientific equipment, such as electron microscopes and microelectronics manufacturing equipment, can require more stringent vibration objectives. Other sensitive equipment used for various business requirements, such as medical equipment, may also have specific vibration goals. Vibration sensitive equipment is, however, often housed in buildings/rooms specifically designed and constructed for that purpose, which can help mitigate any potential impacts.

Vibration limits for the operation of sensitive scientific and medical equipment should be taken from manufacturer's data. Where this is not available the Vibration Criterion (VC) curves outlined in the Sydney Metro CNVS shown in **Table 14** can be used. Where the criteria are exceeded all appropriate feasible and reasonable mitigation and management measures would be considered to minimise the impacts.

Table 14 VC Curves for Vibration Sensitive Equipment

Criterion Curve	Max Level ($\mu\text{m/s}$, RMS) ¹	Detail Size (microns) ²	Description of Use
VC-A	50	8	Adequate in most instances for optical microscopes to 400X, microbalances, optical balances, proximity and projection aligners, etc.
VC-B	25	3	An appropriate standard for optical microscopes to 1000X, inspection and lithography equipment (including steppers) to 3 micron line widths.
VC-C	12.5	1	A good standard for most lithography and inspection equipment to 1 micron detail size.
VC-D	6	0.3	Suitable in most instances for the most demanding equipment including electron microscopes (TEMs and SEMs) and E-Beam systems, operating to the limits of their capability.
VC-E	3	0.1	A difficult criterion to achieve in most instances. Assumed to be adequate for the most demanding of sensitive systems including long path, laser-based, small target systems and other systems requiring extraordinary dynamic stability.

Note 1: As measured in one-third octave bands of frequency over the frequency range 8 to 100 Hz.

Note 2: The detail size refers to the line widths for microelectronics fabrication, the particle (cell) size for medical and pharmaceutical research, etc. The values given take into account the observation requirements of many items depend upon the detail size of the process.

The following receivers nearby the FSM project site have been identified to potentially contain Sensitive Scientific or Medical Equipment:

- Emerald Medical Centre - 65A Queen Street, Belar St, St Marys NSW 2760
- Autopak-Vetlab Group - 39 Harris St, St Marys NSW 2760.

Note: Further consultation with potentially impacted receivers will need to be undertaken prior to construction to confirm their sensitivity to vibration. Refer **Section 0** for details on the vibration assessment.

5.5.4 Minimum Working Distances for Vibration Intensive Works

Minimum working distances for typical vibration intensive construction equipment are provided in the TfNSW CNVS and are shown in **Table 15**. The minimum working distances are for both cosmetic damage (from BS 7385 and DIN 4150) and human comfort (from AVTG). They are calculated from empirical data which suggests that where work is further from receivers than the quoted minimum distances then impacts are not considered likely.

Table 15 Recommended Minimum Working Distances from Vibration Intensive Equipment

Plant Item	Rating/Description	Minimum Distance		
		Cosmetic Damage		Human Comfort (NSW EPA Guideline)
		Residential and Light Commercial (BS 7385)	Heritage Items (DIN 4150, Group 3)	
Vibratory Roller	<50 kN (1–2 tonne)	5 m	11 m	15 m to 20 m
	<100 kN (2–4 tonne)	6 m	13 m	20 m
	<200 kN (4–6 tonne)	12 m	25 m	40 m
	<300 kN (7–13 tonne)	15 m	31 m	100 m
	>300 kN (13–18 tonne)	20 m	40 m	100 m
	>300 kN (>18 tonne)	25 m	50 m	100 m
Small Hydraulic Hammer	300 kg (5 to 12 t excavator)	2 m	5 m	7 m
Medium Hydraulic Hammer	900 kg (12 to 18 t excavator)	7 m	15 m	23 m
Large Hydraulic Hammer	1,600 kg (18 to 34 t excavator)	22 m	44 m	73 m
Vibratory Pile Driver	Sheet piles	2 m to 20 m	5 m to 40 m	20 m
Piling Rig – Bored	≤ 800 mm	2 m (nominal)	5 m	4 m
Jackhammer	Hand held	1 m (nominal)	3 m	2 m

The minimum working distances are indicative and will vary depending on the particular item of equipment and local geotechnical conditions. The distances apply to cosmetic damage of typical buildings under typical geotechnical conditions. Non-typical buildings and geotechnical conditions should be considered on a case-by-case basis. Where vibration levels are predicted to exceed the screening levels, a more detailed assessment of the potentially impacted structure and attended vibration monitoring will be carried out to ensure vibration levels remain below appropriate limits for that structure.

6 Noise Assessment

The potential construction noise levels from the FSM project have been predicted using ISO 9613:2 algorithm in iNoise V2021 noise modelling software. The model includes ground topography, buildings and representative noise sources from the FSM project.

6.1 Work Scenarios

Noise modelling scenarios have been determined based on key FSM project noise generating stages, supplied by the FSM project team. A summary of construction work periods and schedule required for each scenario is shown in **Table 16**, as per the working hours defined in CoA E38, refer **Section 2.3**. A detailed description of each work scenario is provided in **Table 17**.

Table 16 Scenarios and Periods of Work

ID	Scenario	Hours of Work				Indicative Start Date	Likely Duration
		Approved Day	Out-of-Hours Work				
			Day OOH ¹	Evening ²	Night ³		
W.001	Site establishment	✓	-	-	-	Dec 2022	3 month
W.002	Demolition and removal of all existing structures	✓	-	-	-	Dec 2022	5 months
W.003	Construction of footbridge - Piling	✓	✓	✓	✓	May 2023	3 months
W.004	Construction of footbridge - Excavation & FRP (substructure)	✓	✓	✓	✓	Aug 2023	4 months
W.005	Construction of footbridge - Scaffold & FRP (superstructure)	✓	✓	✓	✓	Sep 2023	4 months
W.006	Construction of footbridge - Install of precast/prefab elements	✓	✓	✓	✓	Sep 2023	4 months
W.007	Installation of lifts	✓	✓	✓	✓	Apr 2024	4 months
W.008	Modifications to existing Sydney Trains assets	✓	✓	✓	✓	Apr 2024	2 month
W.009	Construction of stairs and canopies	✓	✓	✓	✓	Jul 2024	2 month
W.010	Installation/construction of Sydney Trains services, facilities, rooms and systems	✓	✓	✓	✓	Sep 2024	2 month
W.011	Northern/Harris St work	✓	✓	✓	✓	Dec 2024	3 months
W.012	Demobilisation	✓	-	-	-	Dec 2024	1 month

Note 1: Daytime out of hours is 7 am to 8 am and 1 pm to 6 pm on Saturday, and 8 am to 6 pm on Sunday and public holidays.

Note 2: Evening is 6 pm to 10 pm Mondays to Saturdays.

Note 3: Night is 10 pm to 7 am for Mondays to Saturdays and 6 pm to 8 am for Sundays and public holidays.

Table 17 Work Scenario Descriptions

ID	Scenario	Description
W.001	Site establishment	Establishment of the work site including: Hoarding installation, tree trimming and removal, temporary relocation of street furniture, installation of temporary site facilities and geotechnical investigations.
W.002	Demolition and removal of all existing structures	Demolition and removal of existing structures to ground level including: current stairs and canopy, current lift shaft structures.
W.003	Construction of footbridge - Piling	Piling for construction of the new footbridge structure.
W.004	Construction of footbridge - Excavation & FRP (substructure)	Excavation for new footbridge foundation and FRP (from reo pour – concrete works).
W.005	Construction of footbridge - Scaffold & FRP (superstructure)	Scaffolding for new footbridge structure and FRP (from reo pour – concrete works).
W.006	Construction of footbridge - Install of precast/prefab elements	Installation of precast/prefabricated elements of the new footbridge structure.
W.007	Installation of lifts	Construction and installation of new lift structure and lift electronics for the footbridge.
W.008	Modifications to existing Sydney Trains assets	Modifications to existing Sydney Trains assets to enable the construction of the footbridge including relocation of Guards Indicators, Closed-Circuit Television (CCTV), Public Address (PA), Over Head Wire System (OHWS), drainage and utility infrastructure, lighting, and platform furniture.
W.009	Construction of stairs and canopies	Construction and installation of new stairs and canopies that form part of the footbridge structure.
W.010	Installation of Sydney Trains services, facilities, rooms and systems	Installation and construction of Sydney Trains services, facilities and rooms including: installation of new lighting, passenger information display system (PIDS), PA, CCTV, ticketing, communications network equipment, ventilation, plumbing and all related systems in accordance with Sydney Trains and Australian Standards. Electrical earthing, bonding protection and stray current mitigation
W.011	Northern/Harris St work	Northern/Harris St landscaping, plaza, bike storage, kerb side transport.
W.012	Demobilisation	Removal of hoarding, reinstate street furniture,

6.1.1 Modelling Scenarios and Equipment

The assessment uses 'realistic worst-case' scenarios to determine the impacts from the noisiest 15-minute period that is likely to occur for each work scenario, as required by the ICNG. Sound power levels (Lw) for the construction equipment used in the modelling are listed in **Table 18**.

Table 18 Modelling Scenarios and Equipment

Equipment		Total Sound Power Level (dBA)	Crane - Mobile	Elevated Work Platform	Excavator - Tracked (5-12t)	Excavator + Hammer (5-12t) ¹	Generator - attenuated	Lighting Tower	Piling Rig - Bored	Roller - Vibratory ¹	Saw - Concrete ¹	Truck - Dump	Truck - Medium Rigid (20t)	Truck - truck & dog (30t)	Truck - Vacuum	Tracked Hydraulic Drilling Rig	Hand tools (electric)	Concrete agitator truck	Concrete pump truck	Light Vehicle (accelerating)	Chainsaw ¹	Telehandler
		Sound Power Level ² (dBA)	113	97	100	118	92	80	112	109	118	110	103	108	109	114	102	109	108	95	105	107
Estimated utilisation per period (%)		30	25	100	30	100	100	100	100	100	30	25	25	25	100	100	50	100	100	25	50	100
ID	Construction Scenario																					
W.001	Site establishment	117	1	1	1	1							4	2	1	1	1			4	1	
W.002	Demolition and removal of all existing structures	121	1	1	1	1	1				1		4		1		1			4		
W.003	Construction of footbridge - Piling	119	1	1	1		1	2	4				4				1			4		
W.004	Construction of footbridge - Excavation & FRP (substructure)	120	1		4		1	2			1	4	2				1	1	1	4		
W.005	Construction of footbridge - Scaffold & FRP (superstructure)	114	1	1			1	2					2				1	1	1	4		
W.006	Construction of footbridge - Install of precast/prefab elements	112	2	2			1	2					4				2			4		
W.007	Installation of stairs and lifts	116	1	3	1		1	2					2				1	1	1	4		4
W.008	Modifications to existing Sydney Trains assets	104		2			1	2									2			4		
W.009	Construction of stairs and canopies	113	2	2			1	2					2				2			4		1
W.010	Installation/construction of Sydney Trains services, facilities etc.	106		2			1	2					4				2			4		
W.011	Northern/Harris St work	118	1	1	1		1	2	1	1			2				1	1	1	4		
W.012	Demobilisation	109		1			1						4	2			2			4		

Note 1: Equipment classed as 'annoying' in the ICNG and includes a 5 dB correction.

Note 2: Individual sound power levels have been adopted from the Sydney Metro CNVS, TfNSW Construction Noise and Vibration Strategy, AS2436, and DEFRA Noise Database.

6.2 Predicted Noise levels

The following overview is based on the predicted impacts at the most affected receivers and is representative of the worst-case noise levels that are likely to occur during construction.

The assessment shows the predicted 'mitigated' impacts based on the exceedance of the noise management levels, as per the categories in **Table 19**. Recommendations for mitigation and management are provided in **Section 8**.

Table 19 Exceedance Bands and Impact Colouring

Exceedance of Management Level	Impact Colouring
No exceedance	
1 to 10 dB	
11 dB to 20 dB	
21 dB to 30 dB	
>30 dB	

A summary of the number of buildings where NML exceedances were predicted for the various work scenarios is shown in **Table 20**. Maps of the predicted worst-case noise impacts are presented in **Appendix B** individual results for each sensitive receiver address are included in **Appendix C**

The assessment is generally considered conservative as the calculations assume all items of construction equipment are in use at the same time within individual scenarios. In reality, there would frequently be periods when construction noise levels are much lower than the worst-case levels predicted as well as times when no equipment is in use and no noise impacts occur.

Table 20 Overview of NML Exceedances

ID	Scenario	Number of Receivers																				
		HNA ¹	With NML exceedance ²																			
			Approved Hours				Out of Hours														Sleep Assessment	
			Daytime				Daytime				Evening				Night-time				Disturbance	Awakening		
1-10 dB	11-20 dB	21-30 dB	>30 dB	1-10 dB	11-20 dB	21-30 dB	>30 dB	1-10 dB	11-20 dB	21-30 dB	>30 dB	1-10 dB	11-20 dB	21-30 dB	>30 dB							
Residential Receivers																						
W.001	Site establishment	-	67	4	-	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
W.002	Demolition and removal of all existing structures	-	139	9	-	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
W.003	Piling	-	80	5	-	-	345	17	1	-	345	17	1	-	409	25	2	-	78	1		
W.004	Excavation & FRP (substructure)	-	105	6	-	-	440	25	2	-	440	25	2	-	500	33	2	-	306	6		
W.005	Scaffold & FRP (superstructure)	-	17	1	-	-	80	5	-	-	80	5	-	-	102	6	-	-	78	1		
W.006	Install of precast/prefab elements	-	11	-	-	-	40	4	-	-	40	4	-	-	57	5	-	-	78	1		
W.007	Installation of lifts	-	33	2	-	-	139	9	-	-	139	9	-	-	189	11	-	-	78	1		
W.008	Modifications to existing Sydney Trains assets	-	3	-	-	-	15	-	-	-	15	-	-	-	19	-	-	-	5	-		
W.009	Construction of stairs and canopies	-	57	2	-	-	268	9	-	-	268	9	-	-	326	15	-	-	190	3		
W.010	Sydney Trains services, facilities, rooms and systems	-	6	-	-	-	28	-	-	-	28	-	-	-	39	1	-	-	6	-		
W.011	Northern/Harris St	-	75	3	-	-	278	18	-	-	278	18	-	-	342	21	-	-	78	1		
W.012	Demobilisation	-	5	-	-	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		

ID	Scenario	Number of Receivers																				
		HNA ¹	With NML exceedance ²																			
			Approved Hours				Out of Hours														Sleep Assessment	
			Daytime				Daytime				Evening				Night-time							
1-10 dB	11-20 dB	21-30 dB	>30 dB	1-10 dB	11-20 dB	21-30 dB	>30 dB	1-10 dB	11-20 dB	21-30 dB	>30 dB	1-10 dB	11-20 dB	21-30 dB	>30 dB	Disturbance	Awakening					
Other Sensitive Receivers																						
W.001	Site establishment	-	3	-	-	-	3	-	-	-	3	-	-	-	n/a	n/a	n/a	n/a	n/a	n/a		
W.002	Demolition and removal of all existing structures	-	5	-	-	-	5	-	-	-	5	-	-	-	n/a	n/a	n/a	n/a	n/a	n/a		
W.003	Piling	-	3	-	-	-	3	-	-	-	3	-	-	-	n/a	n/a	n/a	n/a	n/a	n/a		
W.004	Excavation & FRP (substructure)	-	3	-	-	-	3	-	-	-	3	-	-	-	n/a	n/a	n/a	n/a	n/a	n/a		
W.005	Scaffold & FRP (superstructure)	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	n/a	n/a	n/a	n/a		
W.006	Install of precast/prefab elements	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	n/a	n/a	n/a	n/a		
W.007	Installation of lifts	-	1	-	-	-	1	-	-	-	1	-	-	-	n/a	n/a	n/a	n/a	n/a	n/a		
W.008	Modifications to existing Sydney Trains assets	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	n/a	n/a	n/a	n/a		
W.009	Construction of stairs and canopies	-	1	-	-	-	1	-	-	-	1	-	-	-	n/a	n/a	n/a	n/a	n/a	n/a		
W.010	Sydney Trains services, facilities, rooms and systems	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	n/a	n/a	n/a	n/a		
W.011	Northern/Harris St	-	3	-	-	-	3	-	-	-	3	-	-	-	n/a	n/a	n/a	n/a	n/a	n/a		
W.012	Demobilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	n/a	n/a	n/a	n/a		

Note 1: Highly noise affected, based on ICNG definition (i.e. predicted LAeq(15minute) noise at residential receiver is 75 dBA or greater).

Note 2: Based on worst-case predicted noise levels.

The assessment of the predicted worst-case noise levels shows:

- Noise levels in the range of '1-10 dBA' to '11-20 dBA' above the NMLs are predicted at the nearest receivers for the majority of construction scenarios during both approved and out-of-hours work.
- Noise levels in the range of '1-10 dBA' to '21-30 dBA' above the NMLs are predicted at the nearest residential receivers for the *W.003 - Piling* and *W.004 - Excavation & FRP (substructure)* activities during out-of-hours work.
- The most widespread impacts during the approved hours are predicted during *W.002 Demolition and removal of existing structures* due to the requirement for hydraulic hammers and concrete saws.
- The most widespread impacts during out-of-hours work are predicted during the *W.003 - Piling* and *W.004 - Excavation & FRP (substructure)* activities.
- The sleep disturbance and awakening reaction screening levels are predicted to be exceeded at a number of receivers throughout the work. Sleep disturbance impacts would generally be caused by heavy vehicle movements and more noise intensive equipment. The number of awakening events would depend on several factors, including the equipment being used, the duration of noisy work and the distance of the work to each residential receiver.

The predicted impacts for receivers are presented in **Appendix B**. The level of noise impact above the NML are also shown on the **Appendix B** impact maps for comparison against the construction noise mitigation measures discussed in **Section 8**. All appropriate feasible and reasonable construction noise mitigation measures should be applied to work where exceedances of the NMLs are predicted.

6.3 Road Traffic Noise

The Roads & Maritime Services *Construction Road Traffic Noise Estimator* was used to calculate the change in road traffic noise levels with the introduction of FSM project traffic.

The FSM project has the potential to generate up to 576 light vehicle movements and 384 heavy vehicle movements per day. That would be a total of 960 vehicle movements (in and out) per day during peak traffic generating periods. The proposed construction traffic route to and from the site passes residential receivers along the Great Western Highway and Glossop Street. A summary of the vehicle data for the assessment and predicted increase in traffic noise levels are shown in **Table 21**.

Table 21 Vehicle Traffic Data

Road Name	Vehicle type	Existing Traffic Volumes ¹		Project Traffic Volumes		Change in Noise Level (dBA)	
		Day (7 am – 10 pm)	Night (10 pm – 7 am)	Day (7 am – 10 pm)	Night (10 pm – 7 am)	Day (7 am – 10 pm)	Night (10 pm – 7 am)
Glossop Street	Light Vehicles	15,216	3,046	360	216	≤0.2	≤1.1
	Heavy Vehicles	3,340	229	240	144		
Great Western Hwy	Light Vehicles	34,194	6,299	360	216	≤0.2	≤0.7
	Heavy Vehicles	3,382	332	240	144		

Note 1: Existing traffic volumes adopted from Sydney Metro Western Sydney Airport EIS (Technical Paper 2 - Noise and Vibration).

The FSM project is not anticipated to increase road traffic noise by more than 1.1 dBA. Differences in noise levels of less than approximately 2 dBA (whether an increase or a decrease) is generally considered to be imperceptible in practice. As such, no recommendations for road traffic noise mitigation and management measures are considered necessary in this assessment.

6.4 Ground-borne Noise

Ground-borne noise impacts can occur when vibration travels from a source into a building and causes its ceilings and walls to vibrate and re-radiate noise. Ground-borne noise is often noticeable in situations where air-borne noise is absent such as the operation of a tunnel boring machine underneath a dwelling. Vibration intensive work (such as piling or vibratory rolling) for the FSM project will generate airborne noise levels significantly greater than vibration induced regenerated noise at the nearest receivers.

Where airborne noise levels are higher than ground-borne noise levels, it is not necessary to evaluate potential ground-borne noise impacts and as such they have not been considered further for this assessment. As such ground-borne construction noise impacts from vibration intensive works are not anticipated for the FSM project.

7 Vibration Assessment

Vibration intensive items of equipment that would be required during the FSM project include small vibratory roller (ie 1-2 tonne), small hydraulic hammer (ie 5 – 12t excavator) and Bored piling rig. These items of equipment are required during *W.002 – Demolition and removal of all existing structures*, *W.003 – Construction of footbridge - Piling* and *W.011 – Northern/Harris St work*.

The minimum working distances for vibration intensive work associated with the FSM project are shown in **Table 15**. Where vibration intensive work is undertaken at greater distances, impacts are not considered likely.

The predicted impacts during vibration intensive works are shown for small vibratory rollers in **Figure 3**, small Hydraulic Hammers in **Figure 4**, and bored piling rig in **Figure 5** below these figures show sensitive receiver and heritage structure locations relative to the works and zone of impacts. The predictions are representative of the highest vibration levels that would likely be experienced by the nearest receivers and heritage structures when works are at their closest to these.



LEGEND

- NCA Boundaries
- Vib Roller
- Heritage structure
- Cosmetic Damage
- Human Comfort

Receivers

- Residential / Commercial
- Other Sensitive Receivers
- Outdoor Areas

0 100 200 Metres

Scale: 1:3,000 at A4
 Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 31-Oct-2022
 Project Number: 610.30899

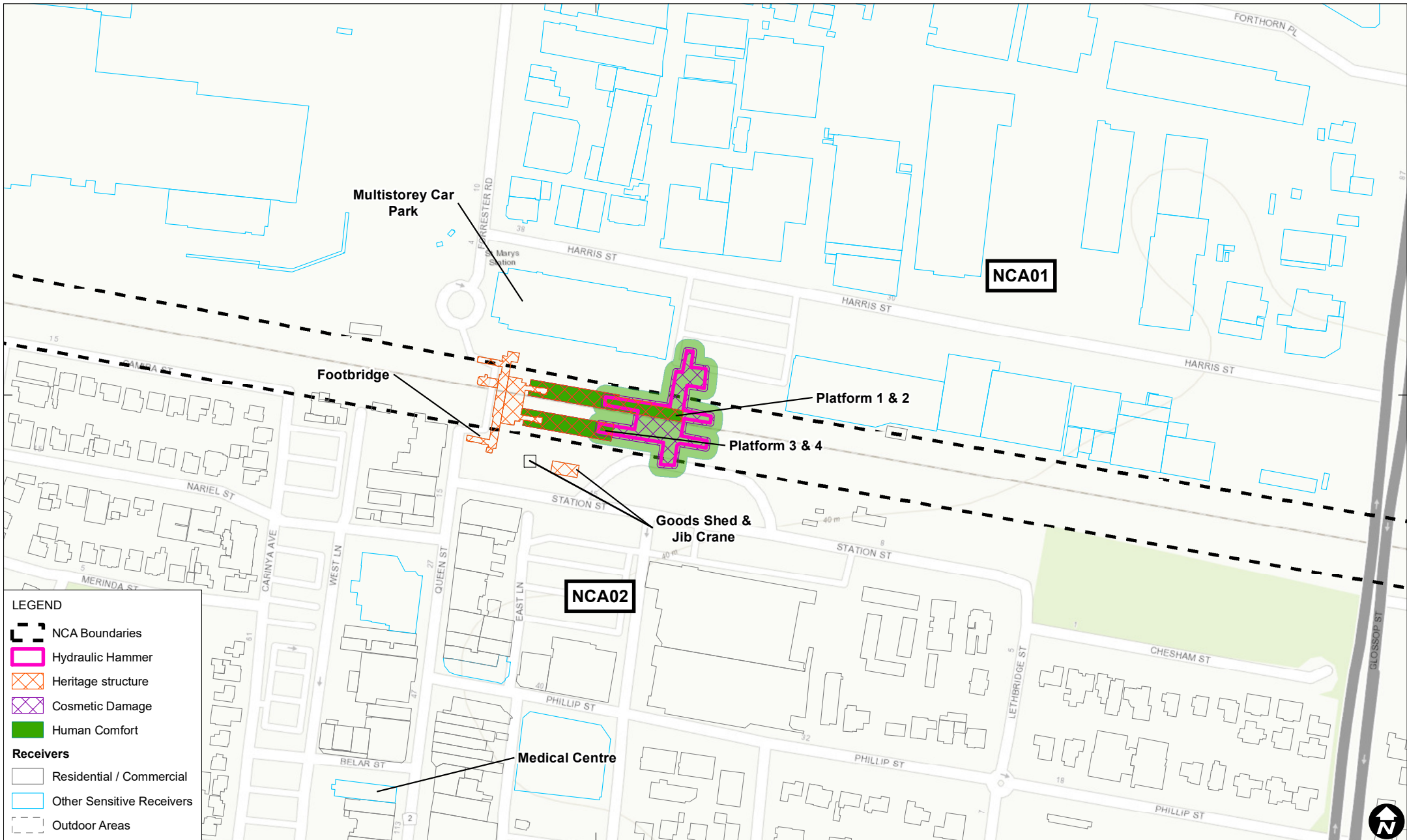


Data Source: ESRI Imagery

**VIBRATION ASSESSMENT
 SMALL VIBRATORY ROLLER**

FIGURE 3

H:\Projects-SLR\610-Srv\SYD\610-SYD\610.30899.00000 Sydney Metro St Marys Station Enabling\06 SLR Data\01 CADGIS\GIS\610.30899 Vibration Assessment - Small Vibratory Roller Fig 23 02.mxd



LEGEND

- NCA Boundaries
- Hydraulic Hammer
- Heritage structure
- Cosmetic Damage
- Human Comfort

Receivers

- Residential / Commercial
- Other Sensitive Receivers
- Outdoor Areas

0 100 200 Metres

Scale: 1:3,000 at A4
Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 31-Oct-2022
Project Number: 610.30899

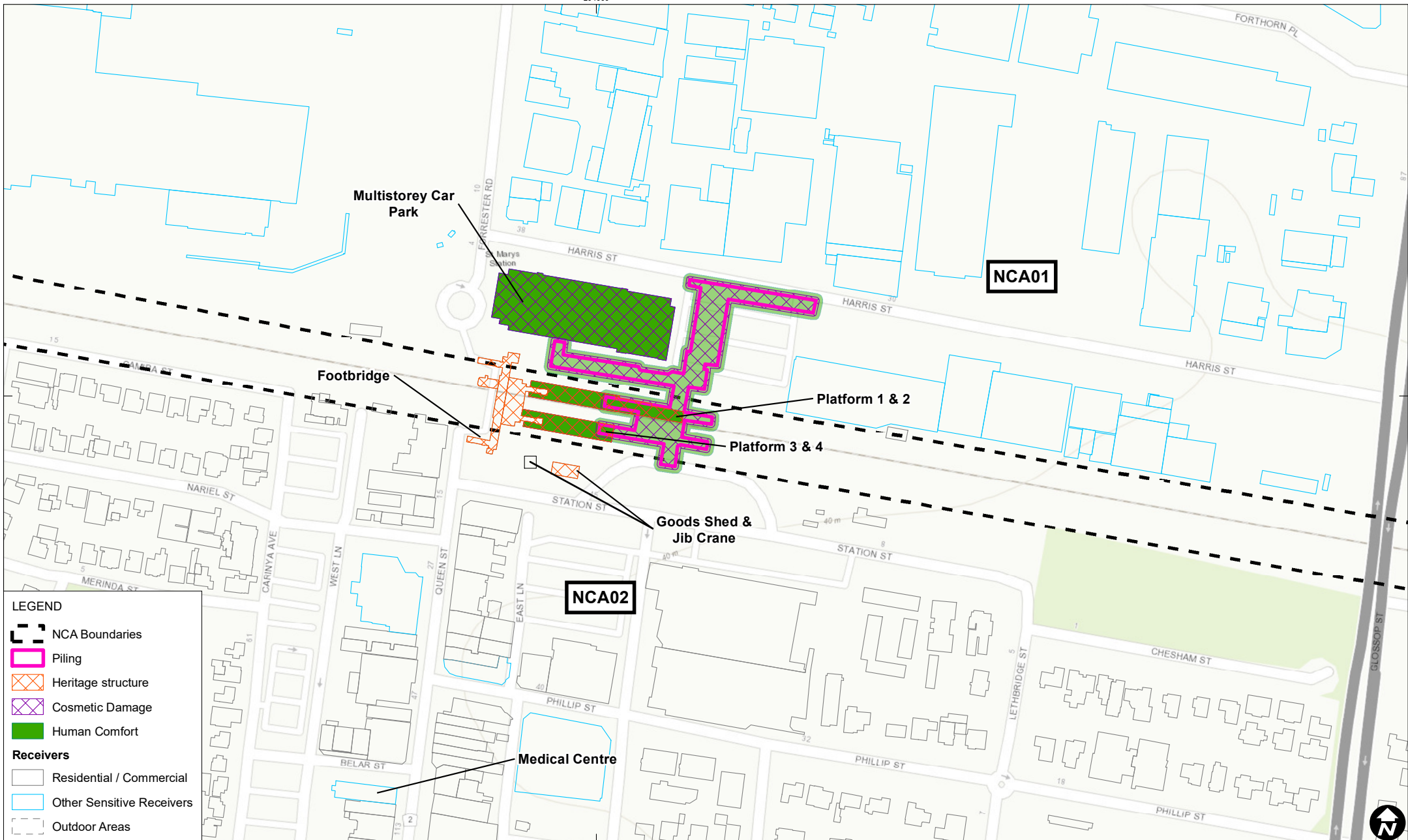


Data Source: ESRI Imagery

**VIBRATION ASSESSMENT
SMALL HYDRAULIC HAMMER**

FIGURE 4

H:\Projects-SLR\610-Srv\SYD\610-SYD\610.30899.00000 Sydney Metro St Marys Station Enabling\06 SLR Data\01 CADGIS\GIS\610.30899 Vibration Assessment - Small Hydraulic Hammer Fig 24 02.mxd



0 100 200 Metres

Scale: 1:3,000 at A4
 Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 31-Oct-2022
 Project Number: 610.30899

Data Source: ESRI Imagery



**VIBRATION ASSESSMENT
 BORED PILING RIG**

FIGURE 5

The assessment of vibration intensive work shows:

- The cosmetic damage screening criteria have the potential to be exceeded at the following St Marys Station structures:
 - St Marys Commuter Car Park
 - Platforms 1/2 and 3/4 (Heritage listed - 1888 & 1942-3)
 - Platforms 3/4 building (Heritage Listed - 1888)

Where this occurs the requirements of CoA E48 will be implemented, refer **Table 22** (NV32).

- The human comfort criteria are not predicted to be exceeded at any residential locations. There is potential for human comfort impacts at three industrial receiver buildings to the north during the vibratory rolling activity at Autopak-Vetlab Group - 39 Harris St, St Marys NSW 2760 (indicated in **Figure 3**).
- The St Marys Station buildings/structures are heritage listed, however are not deemed structurally unsound, or more sensitive to vibration, refer **Section 5.5.1**.
- Vibration Impacts to Sensitive Scientific or Medical Equipment are not anticipated at the Emerald Medical Centre - 65A Queen Street, Belar St, St Marys NSW 2760.
- There is a potential for vibration Impacts to Sensitive Scientific or Medical Equipment at the Autopak-Vetlab Group - 39 Harris St, St Marys NSW 2760, during the vibratory rolling activities undertaken for *W.011 – Northern/Harris St work*.

It is therefore recommended that:

- Condition surveys of buildings and structures at risk of damage are undertaken prior to the commencement of construction. For heritage buildings and structures the surveys would consider the heritage values of the structure in consultation with a heritage specialist, refer **Table 22** (NV34).
- Consultation is undertaken with Autopak-Vetlab Group located at 39 Harris St, St Marys NSW, prior to construction to confirm their sensitivity to vibration (eg critical working areas and/or sensitive scientific equipment).
- The minimum sized equipment necessary (ie small hydraulic hammers and vibratory rollers) are implemented where reasonable and feasible. Noting, if larger equipment is required, impacts will increase. Where vibration exceedances occur, they will be managed in accordance with the Sydney Metro CNVS and the St Marys Station: Enabling Works - Heritage Management Procedure, refer **Table 22** (NV17, NV32).
- Construction adheres to the safe working distances presented **Table 15**. Noting, that the vibration assessment figures above are based on indicative working areas.
- Continuous vibration monitoring with alarms (ie audible and visible / SMS) at the nearest sensitive receivers (including heritage listed properties) is undertaken whenever vibration generating activities need to take place inside the safe-working distances. Where exceedances occur, they will be managed in accordance with the Sydney Metro CNVS and the St Marys Station: Enabling Works - Heritage Management Procedure, refer **Table 22** (NV32).

With the implementation of these recommendations, vibration impacts are likely to comply with the cosmetic damage levels, however due to the close proximity of receivers, vibration impacts have the potential to exceed the human comfort levels. Therefore, community and stakeholder consultation and notification processes outlined in the Additional Mitigation Measures (AMM) for vibration in **Section 8.4** must be implemented.

Where impacts are perceptible, they would likely only be apparent for relatively short durations when vibration intensive equipment is operating nearby. Further mitigation and management measures are discussed in **Section 8**.

8 Mitigation and Management Measures

8.1 Standard Mitigation Measures

The overall objective of construction noise and vibration management is to limit impacts on nearby receivers. This can be achieved by implementing the requirements of the Sydney Metro CNVS which reflects the intent and purpose of the ICNG. Therefore, the following hierarchical approach should be used as far as practicable:

- Where site noise levels are above goals or criteria, implement reasonable and feasible good practice environmental controls to minimise noise and vibration emissions and/or exposure duration at affected receivers.
- Where the use of best practice environmental control mitigation measures do not adequately address exceedances of goals or criteria, adopt alternative measures/methodologies to minimise impacts on the community.
- Liaise with the local community regarding scheduled works which are predicted to have increased impacts.

It is recommended that the standard noise mitigation measures presented in Section 4 Table 11 of the Sydney Metro CNVS be adopted for all works undertaken as part of the Project. The management, source control and path control measures should be implemented.

8.2 Project Specific Mitigation and Management Measures

Noise impacts may be apparent at the nearest receivers at certain times during the Project. The Project should apply all feasible and reasonable mitigation measures to minimise the impacts, particularly during highly noise intensive work, such as concrete sawing, rock hammering and vibratory rolling.

The following measures shown in **Table 22** must be implemented in accordance with the CNVMP and CoA D39 to minimise the potential impacts from the works. Reference to applicable CoA are provided for each of these measures.

Table 22 Recommended Mitigation and Management Measures

ID	Project stage	Measure	Reference / Notes
NV01	Scheduling	Where feasible and reasonable, construction should be carried out during the approved Project working hours. Work generating high noise and/or vibration levels should be scheduled during less sensitive time periods.	CoA E38 CoA E49
NV02		Highly noise intensive works (ie concrete sawing, rock hammering and vibratory rolling) should only be undertaken during the following approved hours, unless otherwise assessed and justified: 8 am to 6 pm Mondays to Fridays, inclusive; and 8 am to 1 pm Saturdays; and at no time on Sundays or public holidays.	CoA E39
NV03		Provide appropriate respite periods as per the Sydney Metro CNVS when highly noise intensive works are undertaken or during periods of high noise impacts (eg one hour of respite for every three hours of noise intensive work).	CoA E39 CoA E49
NV04		Carry out community consultation to determine the need and frequency of respite periods, as required by the CoA.	CoA E56, E57
NV05		Co-ordination should occur between potentially interacting projects to minimise concurrent or consecutive works in the same areas, where possible.	CoA E56
NV06		Noise generating work in the vicinity of potentially-affected community, religious, educational institutions and noise and vibration-sensitive businesses and critical working areas (such as theatres, laboratories and operating theatres) resulting in noise levels above the NMLs must not be timetabled within sensitive periods, unless other reasonable arrangements with the affected institutions are made at no cost to the affected institution.	CoA E45
NV07		Site Layout	Compounds and work areas should be one-way to minimise the need for vehicles to reverse.

ID	Project stage	Measure	Reference / Notes
NV08		Stationary sources of noise, such as generators, should be located away from sensitive receivers.	CoA E46, Best Practice
NV09	Contractor management	Training should be provided to project personnel, including relevant sub-contractors, on noise and vibration requirements and the location of sensitive receivers during inductions and toolbox talks.	CoA E46, Best Practice
NV10	Heavy Vehicles	Delivery vehicles should be fitted with straps rather than chains for unloading, wherever possible.	CoA E46, Best Practice
NV11		Truck drivers should avoid compression braking as far as practicable.	CoA E46, Best Practice
NV12		Trucks should not idle near to sensitive receivers (eg residential receivers).	CoA E46, Best Practice
NV13	Path Control	Construction hoarding around the site perimeter should be erected to control the dispersion of noise offsite.	CoA E46, Best Practice
NV14		Additional portable noise barriers may also be used around particularly noisy equipment such as hydraulic hammering and concrete saws, where necessary.	CoA E46, Best Practice
NV15		Use onsite structures to shield sensitive receivers from noise such as site shed placement, hoarding, shipping containers and consideration of site topography when situating plant.	CoA E46, Best Practice
NV16	Noise/ Vibration source mitigation	Plant and equipment should be regularly serviced with low sound power levels, ie noise levels of plant and equipment must have operating Sound Power Levels (Lw) compliant with the Sydney Metro CNVS and presented in Section 6.1.1 .	CoA E46, Best Practice
NV17		Alternative construction methodologies and measures that minimise noise and vibration levels during noise intensive works would be investigated and implemented where feasible and reasonable. Use the minimum sized equipment necessary to complete the work and where possible, use alternative, low-impact construction techniques such as excavator grab instead of hydraulic hammer and bored piling instead of impact piling.	CoA E46, CoA E49 Best Practice
NV18		Plant and machinery should be fitted with manufacturer supplied noise suppression devices and maintained where required.	CoA E46, Best Practice
NV19		Power tools should use mains power where possible rather than generators.	CoA E46, Best Practice
NV20		Shut down equipment / machinery, including generators, when not in operation.	CoA E46, Best Practice
NV21		Avoid dropping materials from a height and dampen or line metal trays, as necessary.	CoA E46, Best Practice
NV22		Ensure equipment is operated in the correct manner.	CoA E46, Best Practice
NV23		Where night-time works are required, equipment/trucks should use broadband (non-tonal) reversing alarms.	CoA E46, Best Practice

ID	Project stage	Measure	Reference / Notes
NV24	Community consultation	Engagement and consultation should be carried out with the affected communities to understand their preferences for mitigation and management measures, including respite.	CoA E47, E57
NV25		Provide appropriate notice to the affected sensitive receivers prior to starting works and before any noisy periods of works.	CoA E45, E46, E49, E57, Best Practice
NV26		Provide signage with a 24 hour contact number.	CoA E46, E114 Best Practice
NV27		Owners and occupiers of properties at risk of exceeding the screening criteria for cosmetic damage must be notified before works that generate vibration commences in the vicinity of those properties. If the potential exceedance is to occur more than once or extend over a period of 24 hours, owners and occupiers are to be provided a schedule of potential exceedances on a monthly basis for the duration of the potential exceedances, unless otherwise agreed by the owner and occupier.	CoA E48
NV28		Consultation must be undertaken with Autopak-Vetlab Group located at 39 Harris St, St Marys NSW, prior to construction to confirm their sensitivity to vibration (eg critical working areas and/or sensitive scientific equipment). Vibration monitoring will be required if sensitive work areas or sensitive equipment are located on the property, refer NV32.	CoA E46, Best Practice
NV29		Where there are complaints regarding noise, review and implement additional control measures, where feasible and reasonable.	CoA B4, E46, E49 Best Practice
NV30	Monitoring	Noise monitoring should be undertaken within the first month of work and periodically throughout the construction period and cover the range of activities being undertaken at the site during day, evening and night-time periods	CoA C15
NV31		Conduct noise and/or vibration monitoring in response to any formal complaints received.	CoA B4, D46, Best Practice
NV32		Conduct vibration monitoring if vibration intensive works are to be undertaken within the minimum working distances of sensitive receivers or structures and where exceedances have been predicted. Vibration testing must be conducted during vibration generating activities that have the potential to impact on Heritage items to verify minimum working distances to prevent cosmetic damage. In the event that the vibration testing and attended monitoring shows that the preferred values for vibration are likely to be exceeded, LOR must review the construction methodology and, if necessary, implement additional mitigation measures. Such measures must include, but not be limited to, review or modification of construction techniques. A temporary protection plan to outline protection measures required for significant heritage fabric during activities causing potential vibration impacts would be prepared prior to commencement of works. The advice of a heritage specialist must be sought on methods and locations for installing equipment used for vibration, movement and noise monitoring at Heritage items.	CoA E46, E54, E55 Best Practice

ID	Project stage	Measure	Reference / Notes
NV33		Noise monitoring should be undertaken where NMLs are predicted to be exceeded as defined by the AMM outlined in Section 8.4 Where site related airborne noise is measured to exceed predicted levels in this report, additional mitigation measures must be considered to reduce impacts.	CoA E46, E49 Best Practice
NV34	Building Surveys	Condition surveys of buildings and structures at risk of damage must be undertaken prior to the commencement of construction. For heritage buildings and structures the surveys would consider the heritage values of the structure in consultation with a heritage specialist.	CoA E55, E84

8.3 Measures Identified Through Consultation

In accordance with CoA E47, consultation with affected sensitive land users to identify additional mitigation and management measures will be undertaken via community notifications with an invite to inquire / raise issues as necessary. Where additional measures are identified via ongoing consultation, they will be incorporated into an update of this DNVIS.

Community consultation is to be undertaken according to the Overarching Community Communication Strategy (OCCS). Consultation is to be implemented and tracked through the measures outlined in the OCCS. The OCCS outlines key risks and issues associated with the Project. A summary of the identified issues related to noise and vibration are as follows:

- Information about construction
- Construction noise and vibration
- Concerns about property damage
- Cumulative impacts of other projects

A range of proposed community consultation/management measures have been identified to address these key issues. Some of these measures include:

- Early engagement with neighbouring stakeholders on likely noise and vibration impacts
- Implementation of mitigation measures in the CEMP, DNVIS and OOHV Permit(s)
- Noise minimised through, use of appropriate plant, tools and techniques and programming
- High impact noise works staged with respite periods as required by the Project Environment Protection Licence (EPL) and CSSI Approval
- Noise and or vibration monitoring offered in response to complaints

8.4 Additional Mitigation Measures

Where the predicted 'mitigated' construction noise levels are above the project specific noise management levels (NMLs), the Additional Mitigation Measures (AMM) identified in the Sydney Metro CNVS are to be implemented in accordance with the CEMP and CoA E43. The AMM for ground-borne noise and construction vibration are also applicable where predictions are above the relevant management levels. The approach, guided by the AMM, is primarily aimed at pro-active engagement with affected sensitive receivers rather than additional noise reducing mitigation. The AMM applies to all receiver types where these receivers are in-use.

The types of additional mitigation measures are listed in **Table 23** and described in the Sydney Metro CNVS. The AMM for construction noise is identified in **Table 24**. The AMM for vibration are identified in **Table 25**.

Table 23 Additional Mitigation Measures

Mitigation / Management Measure	Abbreviation
Alternative accommodation	AA
Monitoring	M
Individual briefings	IB
Letter box drops	LB
Project-specific respite offer	RO
Phone calls and emails	PC
Specific notification	SN

Table 24 Additional Mitigation Measures Matrix - Construction Noise

Time Period		Mitigation Measures			
		Predicted LAeq(15minute) noise level above NML			
		0 to 10 dBA	10 to 20 dBA	20 to 30 dBA	> 30 dBA
Approved Hours	Mon-Fri (7am – 6pm)	-	LB	LB, M, SN	LB, M, SN
	Sat (8am – 1pm)				
	Sun/Pub Hol (Nil)				
OOHW1 (Evening)	Mon-Fri (6pm – 10pm)	LB	LB, M	LB, M, SN, RO	LB, M, SN, IB, PC, RO
	Sat (1pm – 10pm)				
	Sun/Pub Hol (8am -6pm)				
OOHW2 (Night)	Mon-Fri (10pm – 7am)	LB	LB, M, SN, RO	LB, M, SN, IB, PC, RO, AA	LB, M, SN, IB, PC, RO, AA
	Sat (10pm – 8am)				
	Sun/Pub Hol (6pm -7am)				

Table 25 Additional Mitigation Measures Matrix – Ground-borne Vibration

Time Period		Mitigation Measures
		Predicted vibration level above maximum level (human comfort)
Approved Hours	Mon-Fri (7am – 6pm)	LB, M, RO
	Sat (8am – 6pm)	
	Sun/Pub Hol (Nil)	
OOHW (Evening)	Mon-Fri (6pm – 10pm)	LB, M, IB, PC, RO, SN
	Sat (6pm – 10pm)	
	Sun/Pub Hol (8am -6pm)	
OOHW (Night)	Mon-Fri (10pm – 7am)	LB, M, IB, PC, RO, SN, AA
	Sat (10pm – 8am)	
	Sun/Pub Hol (6pm -7am)	

8.5 Respite Periods

In addition to the respite triggered by the AMM. The following respite requirements are applicable to the FSM project:

- All work undertaken for the delivery of the CSSI, including those undertaken by third parties (such as utility relocations), must be coordinated to ensure respite periods are provided. The Proponent must:
 - a) reschedule any work to provide respite to impacted noise sensitive land use(s) so that the respite is achieved in accordance with CoA E57; or
 - b) consider the provision of alternative respite or mitigation to impacted noise sensitive land use(s); and
 - c) provide documentary evidence to the ER in support of any decision made by the Proponent in relation to respite or mitigation.

The consideration of respite must also include all other approved Critical SSI, SSI and SSD projects which may cause cumulative and / or consecutive impacts at receivers affected by the delivery of the CSSI.

- In order to undertake out-of-hours work outside the work hours specified under CoA E38, appropriate respite periods for the out-of-hours work must be identified in consultation with the community at each affected location on a regular basis. The outcomes of the community consultation, the identified respite periods and the scheduling of the likely out-of-hour work must be provided to the ER, EPA and the Planning Secretary prior to the out-of-hours work commencing.

Note: Respite periods can be any combination of days or hours where out-of-hours work would not be more than 5 dB(A) above the RBL at any residence.

8.6 Community Notification

As outlined in the CEMP, consultation will be conducted in accordance with the OCCS. Community notifications are required where triggered by the AMM. As outlined in CoA E57 community consultation of out-of-hours work must include (but not be limited to) providing the community with:

- a progressive schedule for periods no less than three (3) months, of likely out-of-hours work;
- a description of the potential work, location and duration of the out-of-hours work;
- the noise characteristics and likely noise levels of the work; and
- likely mitigation and management measures which aim to achieve the relevant NMLs under CoA E43 (including the circumstances of when respite or relocation offers will be available and details about how the affected community can access these offers).

The outcomes of the community consultation, the identified respite periods and the scheduling of the likely out-of-hour work must be provided to the ER, EPA and the Planning Secretary prior to the out-of-hours work commencing.

8.7 Monitoring

Noise and vibration monitoring will be undertaken in accordance with the CEMP and Sydney Metro CNVS.

Monitoring will be carried out at the commencement of activities to confirm that actual noise levels are consistent with the predictions presented in this DNVIS, and that the management measures that have been implemented are effective.

Monitoring locations will be focused to the most impacted receivers identified in **Appendix B**. Indicative locations are identified in **Table 26**, however, these will be subject to provision of safe access and the specific location of work being undertaken at the time of monitoring.

Table 26 Indicative Monitoring Locations

Scenario ID	Description	Indicative Noise Monitoring Locations	Indicative Vibration Monitoring Locations
W.001	Site establishment	<ul style="list-style-type: none"> 7/3 Station St, St Marys NSW 2760 	-
W.002	Demolition and removal of all existing structures	<ul style="list-style-type: none"> 7/3 Station St, St Marys NSW 2760 	<ul style="list-style-type: none"> Platforms 1/2 and 3/4 (including building)
W.003	Piling	<ul style="list-style-type: none"> 7/3 Station St, St Marys NSW 2760 5/3 Nariel St, St Marys NSW 2760 4 Chesham St, St Marys NSW 2760 	<ul style="list-style-type: none"> Platforms 1/2 and 3/4 (including building)
W.004	Excavation & FRP (substructure)	<ul style="list-style-type: none"> 7/3 Station St, St Marys NSW 2760 4 Chesham St, St Marys NSW 2760 	-
W.005	Scaffold & FRP (superstructure)	<ul style="list-style-type: none"> 7/3 Station St, St Marys NSW 2760 	-
W.006	Install of precast/prefab elements	<ul style="list-style-type: none"> 7/3 Station St, St Marys NSW 2760 	-
W.007	Installation of lifts	<ul style="list-style-type: none"> 7/3 Station St, St Marys NSW 2760 4 Chesham St, St Marys NSW 2760 	-
W.008	Modifications to existing Sydney Trains assets	<ul style="list-style-type: none"> 7/3 Station St, St Marys NSW 2760 	-
W.009	Construction of stairs and canopies	<ul style="list-style-type: none"> 7/3 Station St, St Marys NSW 2760 4 Chesham St, St Marys NSW 2760 	-
W.010	Sydney Trains services, facilities, rooms and systems	<ul style="list-style-type: none"> 7/3 Station St, St Marys NSW 2760 	-
W.011	Northern/Harris St work	<ul style="list-style-type: none"> 7/3 Station St, St Marys NSW 2760 4 Chesham St, St Marys NSW 2760 	<ul style="list-style-type: none"> Platforms 1/2 St Marys Commuter Car Park Autopak-Vetlab Group 39 Harris St, St Marys NSW 2760
W.012	Demobilisation	<ul style="list-style-type: none"> 7/3 Station St, St Marys NSW 2760 	-

8.8 Alternative Construction Methods

Alternative construction methods have been considered for activities including tree clearing (eg electric chainsaws). Use of these methods will depend on the specific circumstances and therefore the worst-case scenario is included for the purpose of this DNVIS.

Alternative methods has been considered and implemented for vibratory rollers and hydraulic hammers (ie smaller sized equipment). DNVIS modelling has incorporated the use of small vibratory rollers (ie <50 kN, 1–2 tonne) and small hydraulic hammers (ie 300 kg, 5 to 12 tonne excavator).

9 Cumulative Impacts

Cumulative construction impacts can occur where multiple construction projects are being completed in the same area at the same time. To minimise the risk of cumulative impacts LOR will consult with proponents of other construction works near the FSM project worksite and take reasonable steps to coordinate works to minimise cumulative noise and vibration impact and coordinate respite for affected sensitive receivers, to satisfy CoA D56.

10 Conclusion and Recommendations

Noise emissions from the FSM project have been predicted to the surrounding receivers. Noise levels are expected to exceed the NMLs at the closest receivers surrounding work areas for some activities. Where piling and excavation work is scheduled outside the approved hours, the closest receivers are predicted to exceed the NML by 21 - 30 dBA.

Vibration has been assessed at the nearest sensitive receivers and heritage structures surrounding the FSM project. There is potential for both human comfort and cosmetic damage impacts at the closest buildings/structures during vibration generating activities.

Engagement and consultation must be carried out with the affected receivers to understand noise/vibration sensitivity and their preferences for mitigation and management measures, including respite.

A number of mitigation and management measures have been recommended. Where feasible and reasonable these must be applied to the FSM project to control and minimise the impacts during construction as far as practicable.

Recommendations during commencement of each work scenario:

- Select plant and equipment which is equivalent or quieter than that adopted in the assessment
- Undertake condition surveys of buildings and structures at risk of damage prior to the commencement of construction
- Implement additional mitigation measures as detailed in the Sydney Metro CNVS
- Undertake noise and vibration monitoring during work to confirm impacts.

Appendix A:

Acoustic Terminology

1. Sound Level or Noise Level

The terms ‘sound’ and ‘noise’ are almost interchangeable, except that ‘noise’ often refers to unwanted sound.

Sound (or noise) consists of minute fluctuations in atmospheric pressure. The human ear responds to changes in sound pressure over a very wide range with the loudest sound pressure to which the human ear can respond being ten million times greater than the softest. The decibel (abbreviated as dB) scale reduces this ratio to a more manageable size by the use of logarithms.

The symbols SPL, L or LP are commonly used to represent Sound Pressure Level. The symbol LA represents A-weighted Sound Pressure Level. The standard reference unit for Sound Pressure Levels expressed in decibels is 2×10^{-5} Pa.

2. ‘A’ Weighted Sound Pressure Level

The overall level of a sound is usually expressed in terms of dBA, which is measured using a sound level meter with an ‘A-weighting’ filter. This is an electronic filter having a frequency response corresponding approximately to that of human hearing.

People’s hearing is most sensitive to sounds at mid frequencies (500 Hz to 4,000 Hz), and less sensitive at lower and higher frequencies. Different sources having the same dBA level generally sound about equally loud.

A change of 1 dB or 2 dB in the level of a sound is difficult for most people to detect, whilst a 3 dB to 5 dB change corresponds to a small but noticeable change in loudness. A 10 dB change corresponds to an approximate doubling or halving in loudness. The table below lists examples of typical noise levels.

Sound Pressure Level (dBA)	Typical Source	Subjective Evaluation
130	Threshold of pain	Intolerable
120	Heavy rock concert	Extremely noisy
110	Grinding on steel	
100	Loud car horn at 3 m	Very noisy
90	Construction site with pneumatic hammering	
80	Kerbside of busy street	Loud
70	Loud radio or television	
60	Department store	Moderate to quiet
50	General Office	
40	Inside private office	Quiet to very quiet
30	Inside bedroom	
20	Recording studio	Almost silent

Other weightings (eg B, C and D) are less commonly used than A-weighting. Sound Levels measured without any weighting are referred to as ‘linear’, and the units are expressed as dB(lin) or dB.

3. Sound Power Level

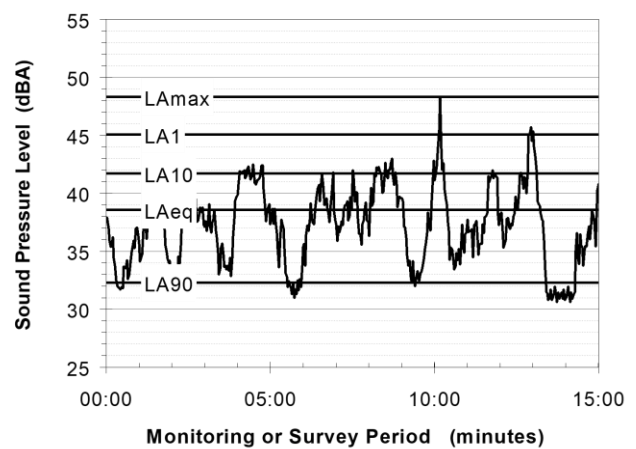
The Sound Power of a source is the rate at which it emits acoustic energy. As with Sound Pressure Levels, Sound Power Levels are expressed in decibel units (dB or dBA), but may be identified by the symbols SWL or LW, or by the reference unit 10^{-12} W.

The relationship between Sound Power and Sound Pressure is similar to the effect of an electric radiator, which is characterised by a power rating but has an effect on the surrounding environment that can be measured in terms of a different parameter, temperature.

4. Statistical Noise Levels

Sounds that vary in level over time, such as road traffic noise and most community noise, are commonly described in terms of the statistical exceedance levels LAN, where LAN is the A-weighted sound pressure level exceeded for N% of a given measurement period. For example, the LA1 is the noise level exceeded for 1% of the time, LA10 the noise exceeded for 10% of the time, and so on.

The following figure presents a hypothetical 15 minute noise survey, illustrating various common statistical indices of interest.



Of particular relevance, are:

- LA1 The noise level exceeded for 1% of the 15 minute interval.
- LA10 The noise level exceeded for 10% of the 15 minute interval. This is commonly referred to as the average maximum noise level.
- LA90 The noise level exceeded for 90% of the sample period. This noise level is described as the average minimum background sound level (in the absence of the source under consideration), or simply the background level.
- LAeq The A-weighted equivalent noise level (basically, the average noise level). It is defined as the steady sound level that contains the same amount of acoustical energy as the corresponding time-varying sound.
- LAmax The A-weighted maximum sound pressure level of an event measured with a sound level meter.

5. Frequency Analysis

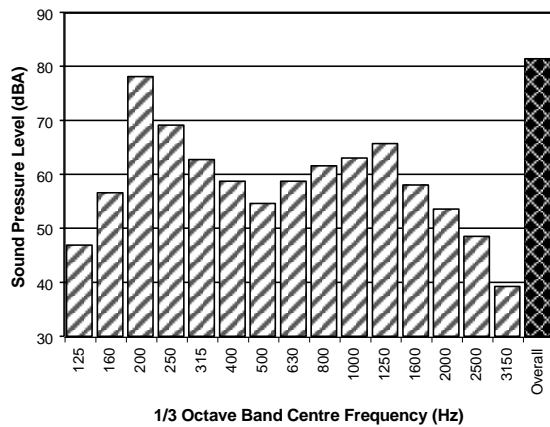
Frequency analysis is the process used to examine the tones (or frequency components) which make up the overall noise or vibration signal.

The units for frequency are Hertz (Hz), which represent the number of cycles per second.

Frequency analysis can be in:

- Octave bands (where the centre frequency and width of each band is double the previous band)
- 1/3 octave bands (three bands in each octave band)
- Narrow band (where the spectrum is divided into 400 or more bands of equal width)

The following figure shows a 1/3 octave band frequency analysis where the noise is dominated by the 200 Hz band. Note that the indicated level of each individual band is less than the overall level, which is the logarithmic sum of the bands.



6. Annoying Noise (Special Audible Characteristics)

A louder noise will generally be more annoying to nearby receivers than a quieter one. However, noise is often also found to be more annoying and result in larger impacts where the following characteristics are apparent:

- **Tonality** - tonal noise contains one or more prominent tones (ie differences in distinct frequency components between adjoining octave or 1/3 octave bands), and is normally regarded as more annoying than 'broad band' noise.
- **Impulsiveness** - an impulsive noise is characterised by one or more short sharp peaks in the time domain, such as occurs during hammering.
- **Intermittency** - intermittent noise varies in level with the change in level being clearly audible. An example would include mechanical plant cycling on and off.
- **Low Frequency Noise** - low frequency noise contains significant energy in the lower frequency bands, which are typically taken to be in the 10 to 160 Hz region.

7. Vibration

Vibration may be defined as cyclic or transient motion. This motion can be measured in terms of its displacement, velocity or acceleration. Most assessments of human response to vibration or the risk of damage to buildings use measurements of vibration velocity. These may be expressed in terms of 'peak' velocity or 'rms' velocity.

The former is the maximum instantaneous velocity, without any averaging, and is sometimes referred to as 'peak particle velocity', or PPV. The latter incorporates 'root mean squared' averaging over some defined time period.

Vibration measurements may be carried out in a single axis or alternatively as triaxial measurements (ie vertical, longitudinal and transverse).

The common units for velocity are millimetres per second (mm/s). As with noise, decibel units can also be used, in which case the reference level should always be stated. A vibration level V , expressed in mm/s can be converted to decibels by the formula $20 \log (V/V_0)$, where V_0 is the reference level (10^{-9} m/s). Care is required in this regard, as other reference levels may be used.

8. Human Perception of Vibration

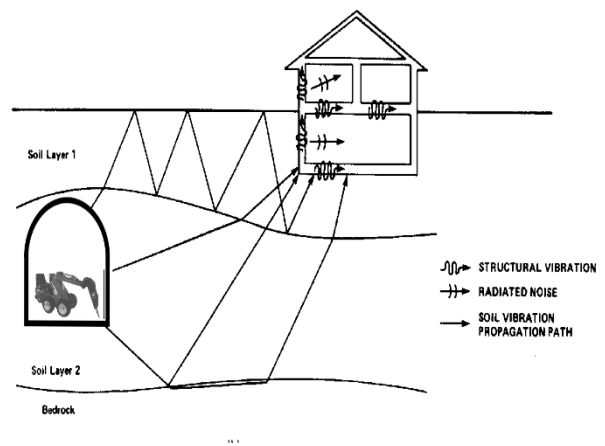
People are able to 'feel' vibration at levels lower than those required to cause even superficial damage to the most susceptible classes of building (even though they may not be disturbed by the motion). An individual's perception of motion or response to vibration depends very strongly on previous experience and expectations, and on other connotations associated with the perceived source of the vibration. For example, the vibration that a person responds to as 'normal' in a car, bus or train is considerably higher than what is perceived as 'normal' in a shop, office or dwelling.

9. Ground-borne Noise, Structure-borne Noise and Regenerated Noise

Noise that propagates through a structure as vibration and is radiated by vibrating wall and floor surfaces is termed 'structure-borne noise', 'ground-borne noise' or 'regenerated noise'. This noise originates as vibration and propagates between the source and receiver through the ground and/or building structural elements, rather than through the air.

Typical sources of ground-borne or structure-borne noise include tunnelling works, underground railways, excavation plant (eg rockbreakers), and building services plant (eg fans, compressors and generators).

The following figure presents an example of the various paths by which vibration and ground-borne noise may be transmitted between a source and receiver for construction activities occurring within a tunnel.



The term 'regenerated noise' is also used in other instances where energy is converted to noise away from the primary source. One example would be a fan blowing air through a discharge grill. The fan is the energy source and primary noise source. Additional noise may be created by the aerodynamic effect of the discharge grill in the airstream. This secondary noise is referred to as regenerated noise.

Appendix B:

Noise Impact Maps

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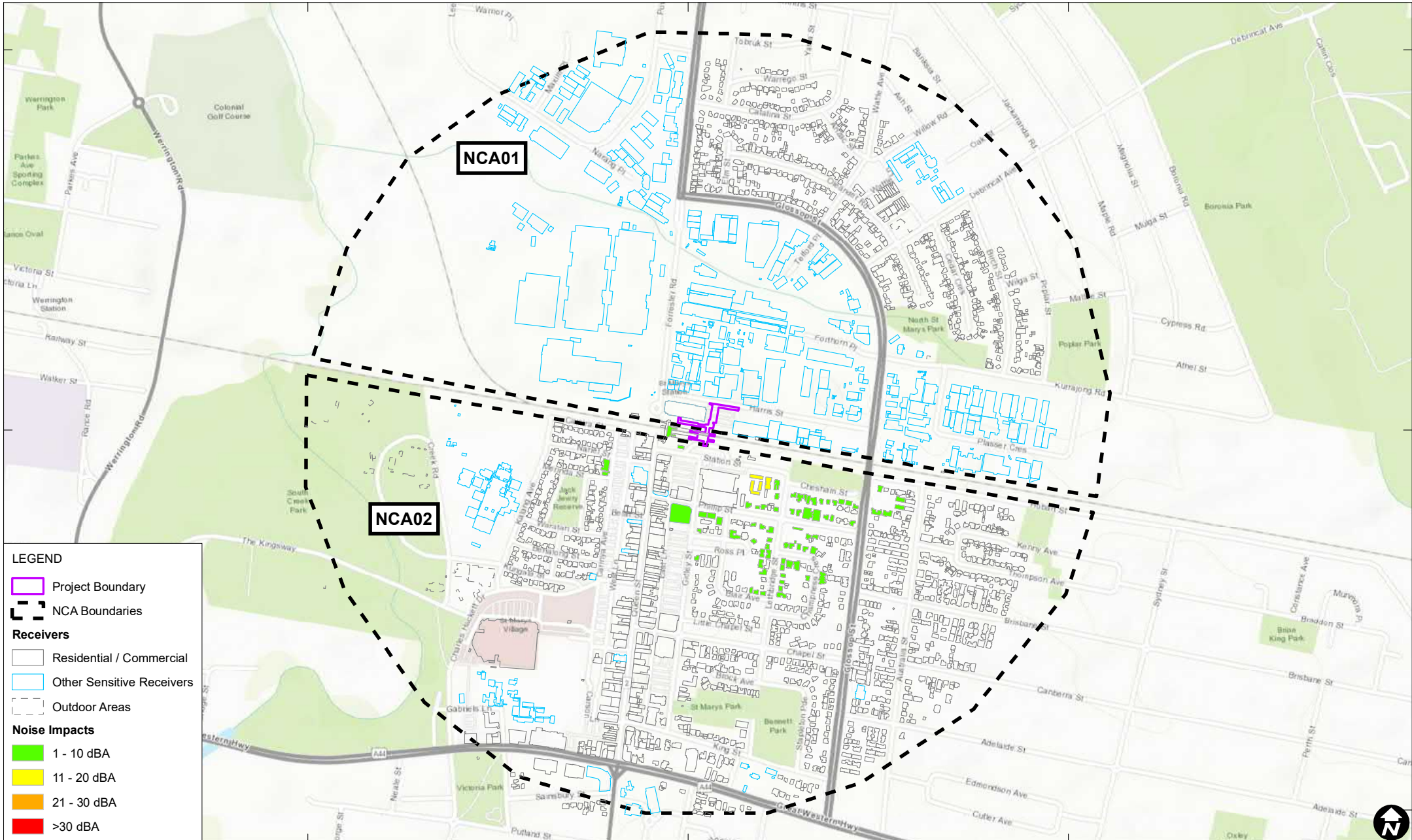
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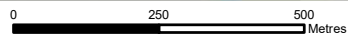
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LEGEND

- Project Boundary
- NCA Boundaries
- Receivers**
- Residential / Commercial
- Other Sensitive Receivers
- Outdoor Areas
- Noise Impacts**
- 1 - 10 dBA
- 11 - 20 dBA
- 21 - 30 dBA
- >30 dBA



Scale: 1:13,000 at A4
 Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 30/06/2022
 Project Number: 610.30899



Data Source: ESRI Imagery

**WORST-CASE NOISE IMPACTS
 SITE ESTABLISHMENT – DAYTIME**

FIGURE B1

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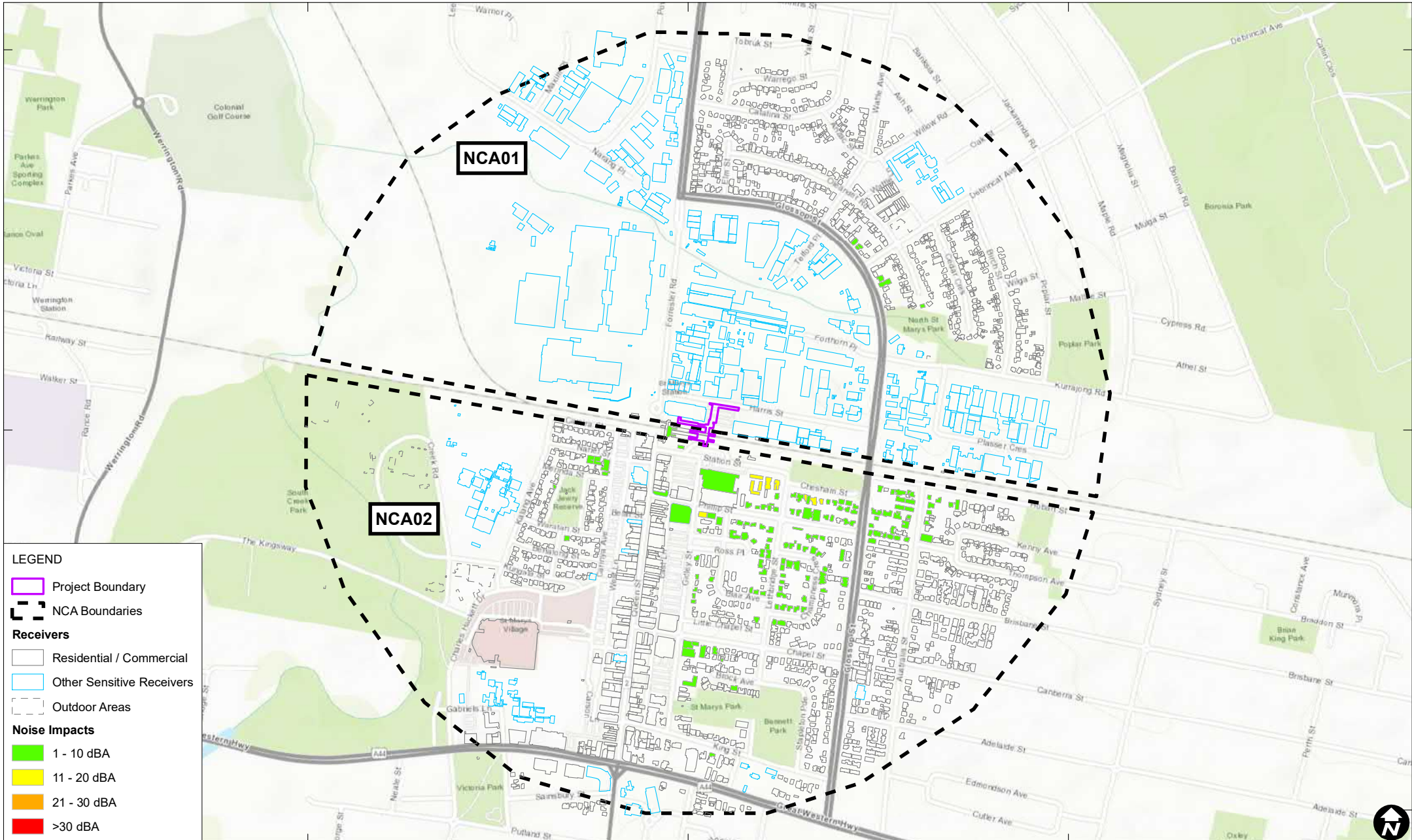
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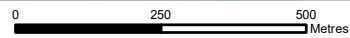
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LEGEND

- Project Boundary
- NCA Boundaries
- Receivers**
- Residential / Commercial
- Other Sensitive Receivers
- Outdoor Areas
- Noise Impacts**
- 1 - 10 dBA
- 11 - 20 dBA
- 21 - 30 dBA
- >30 dBA



Scale: 1:13,000 at A4
 Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 15/07/2022
 Project Number: 610.30899



Data Source: ESRI Imagery

**WORST-CASE NOISE IMPACTS
 DEMOLITION OF EXISTING STRUCTURES – DAYTIME**

FIGURE B2

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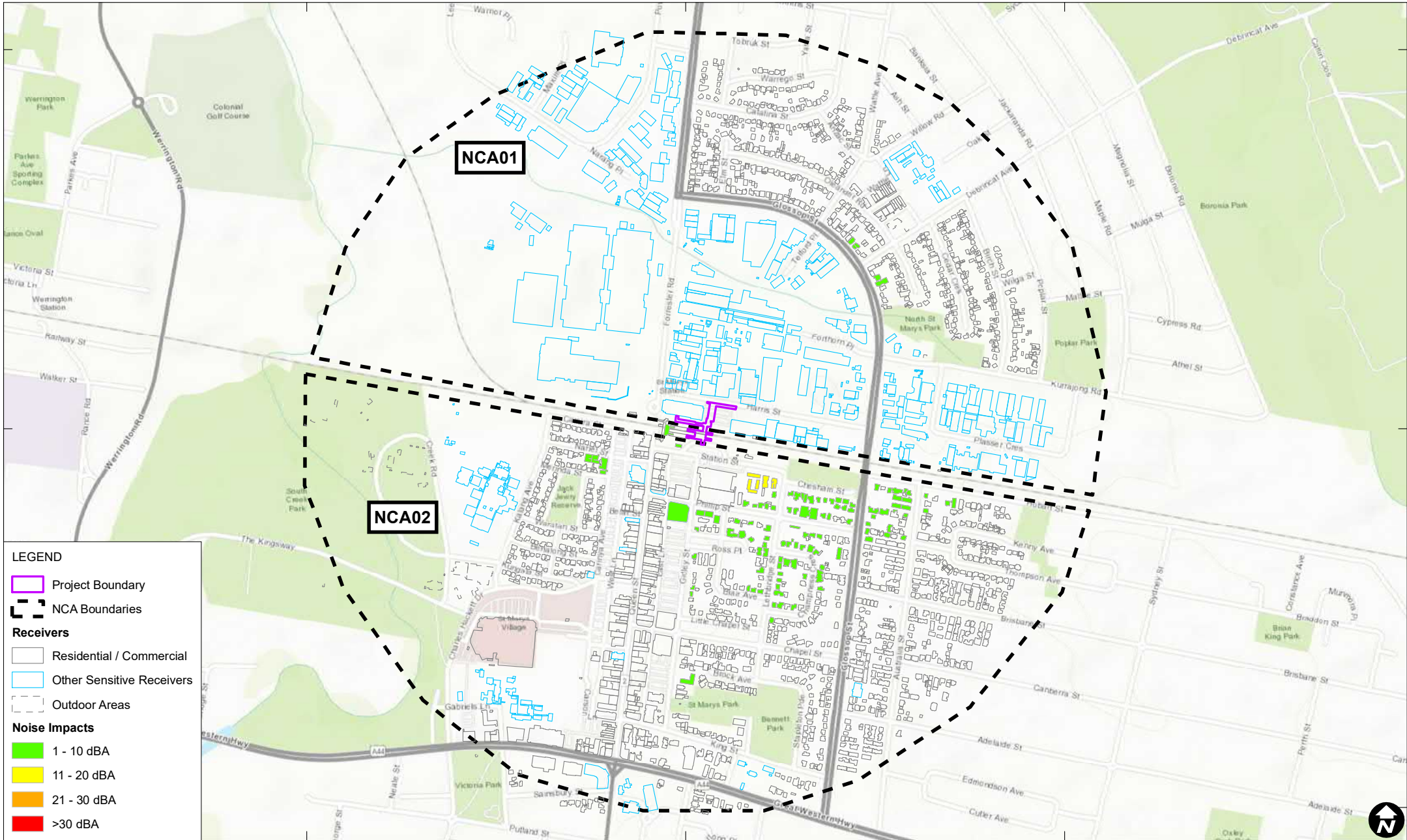
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LEGEND

-  Project Boundary
-  NCA Boundaries
- Receivers**
-  Residential / Commercial
-  Other Sensitive Receivers
-  Outdoor Areas
- Noise Impacts**
-  1 - 10 dBA
-  11 - 20 dBA
-  21 - 30 dBA
-  >30 dBA

0 250 500 Metres

Scale: 1:13,000 at A4
Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 30/06/2022
Project Number: 610.30899

Data Source: ESRI Imagery



**WORST-CASE NOISE IMPACTS
PILING – DAYTIME**

FIGURE B3

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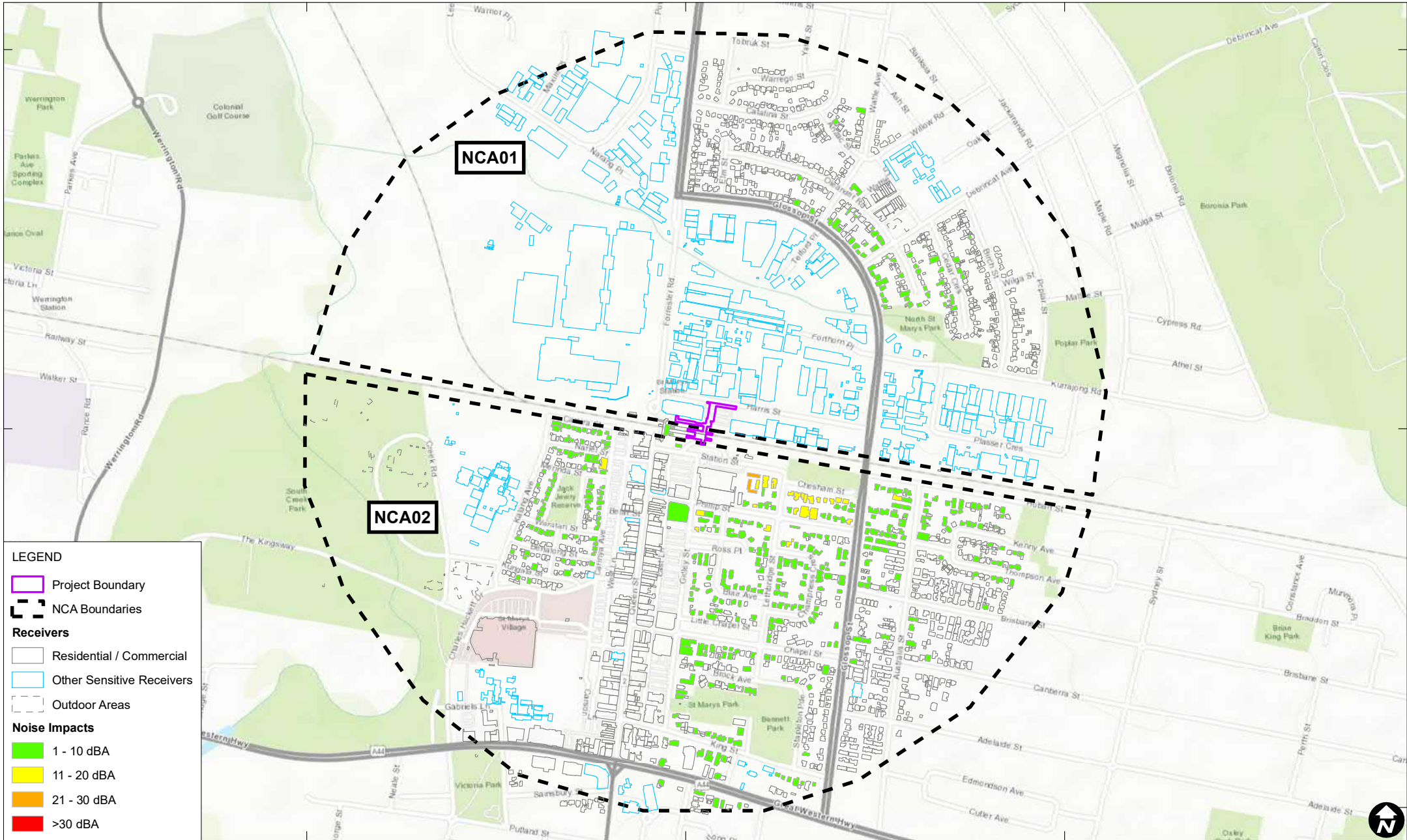
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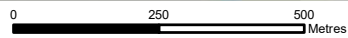
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LEGEND

- Project Boundary
- NCA Boundaries
- Receivers**
- Residential / Commercial
- Other Sensitive Receivers
- Outdoor Areas
- Noise Impacts**
- 1 - 10 dBA
- 11 - 20 dBA
- 21 - 30 dBA
- >30 dBA



Scale: 1:13,000 at A4
 Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 30/06/2022
 Project Number: 610.30899



Data Source: ESRI Imagery

**WORST-CASE NOISE IMPACTS
 PILING – NIGHT-TIME**

FIGURE B4

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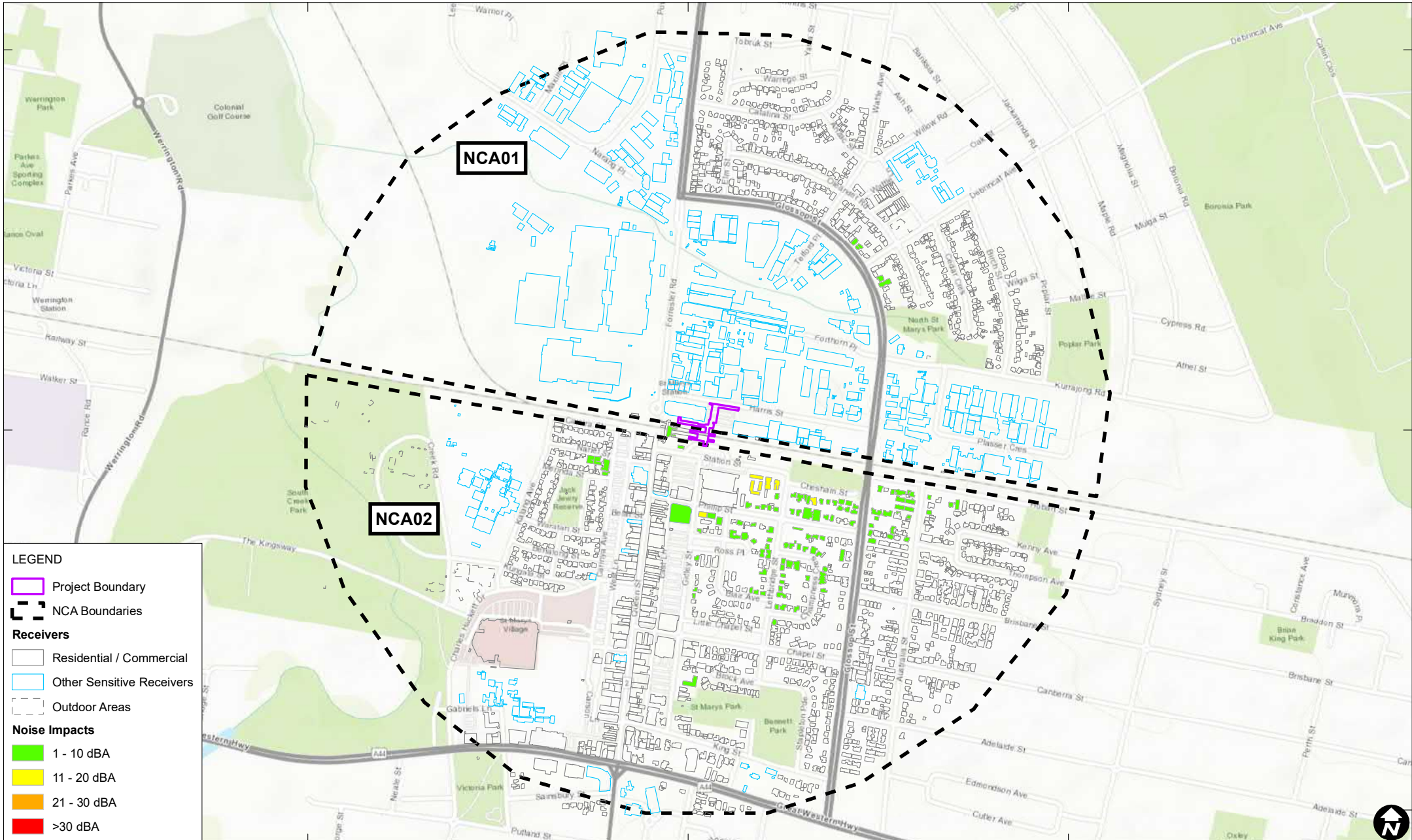
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LEGEND

- Project Boundary
- NCA Boundaries
- Receivers**
- Residential / Commercial
- Other Sensitive Receivers
- Outdoor Areas
- Noise Impacts**
- 1 - 10 dBA
- 11 - 20 dBA
- 21 - 30 dBA
- >30 dBA

0 250 500 Metres

Scale: 1:13,000 at A4
Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 15/07/2022
Project Number: 610.30899

Data Source: ESRI Imagery



**WORST-CASE NOISE IMPACTS
EXCAVATION AND FRP (SUBSTRUCTURE) - DAYTIME**

FIGURE B5

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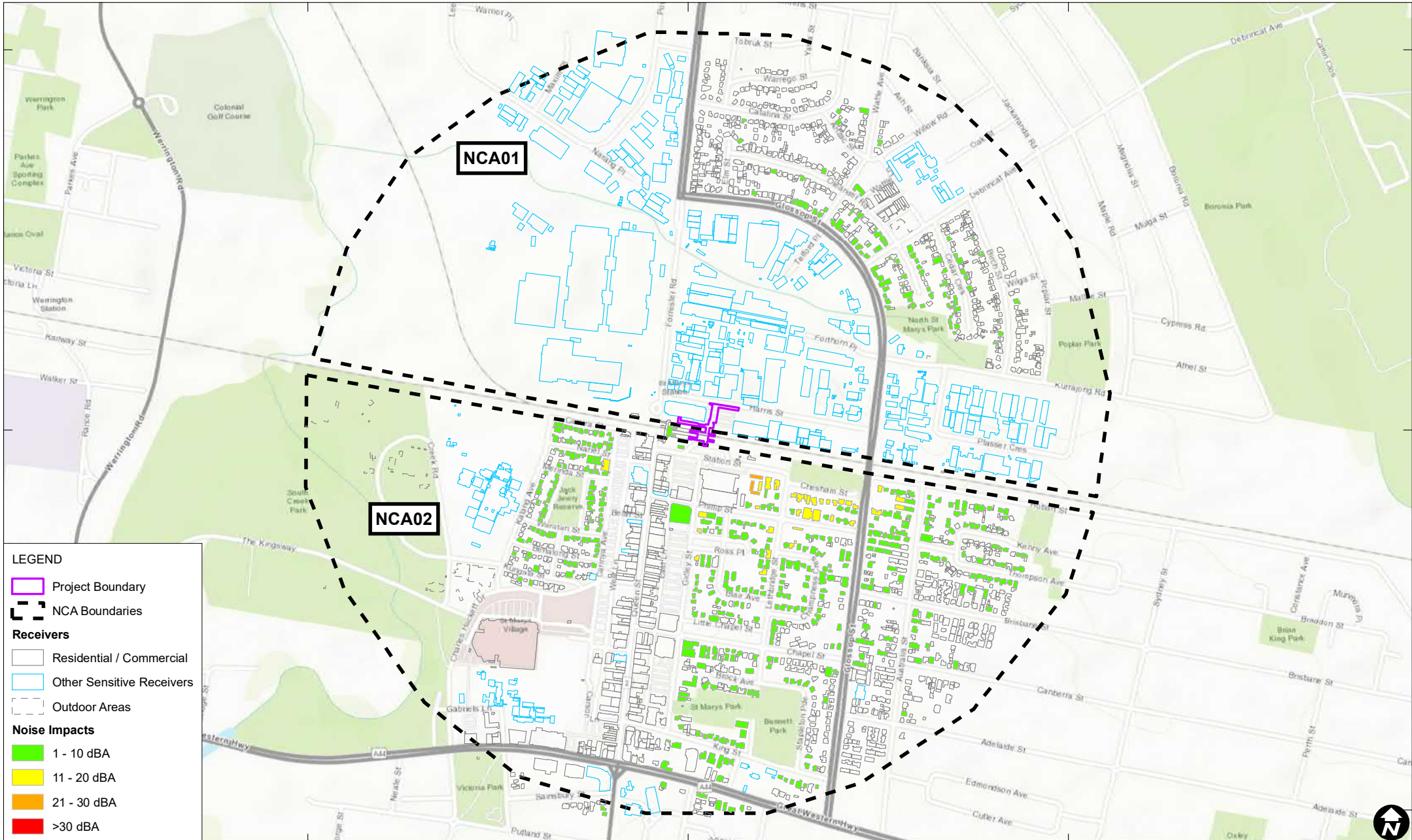
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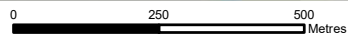
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LEGEND

- Project Boundary
- NCA Boundaries
- Receivers**
- Residential / Commercial
- Other Sensitive Receivers
- Outdoor Areas
- Noise Impacts**
- 1 - 10 dBA
- 11 - 20 dBA
- 21 - 30 dBA
- >30 dBA



Scale: 1:13,000 at A4
 Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 15/07/2022
 Project Number: 610.30899

Data Source: ESRI Imagery



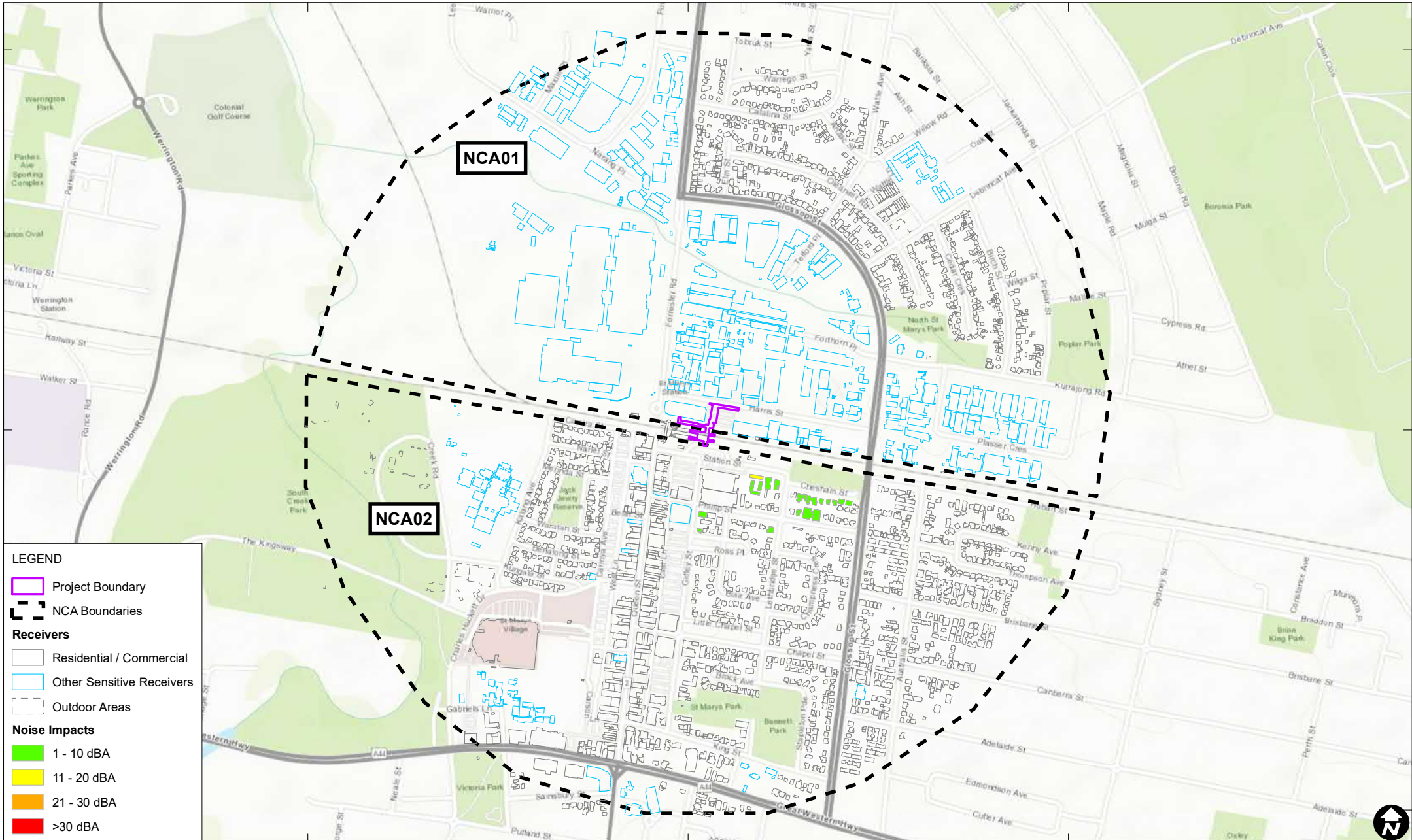
**WORST-CASE NOISE IMPACTS
 EXCAVATION AND FRP (SUBSTRUCTURE) - NIGHT-TIME**

FIGURE B6

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LEGEND

- Project Boundary
- NCA Boundaries
- Receivers**
- Residential / Commercial
- Other Sensitive Receivers
- Outdoor Areas
- Noise Impacts**
- 1 - 10 dBA
- 11 - 20 dBA
- 21 - 30 dBA
- >30 dBA

0 250 500 Metres

Scale: 1:13,000 at A4
Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 15/07/2022
Project Number: 610.30899

Data Source: ESRI Imagery



**WORST-CASE NOISE IMPACTS
SCAFFOLD AND FRP (SUPERSTRUCTURE) – DAYTIME**

FIGURE B7

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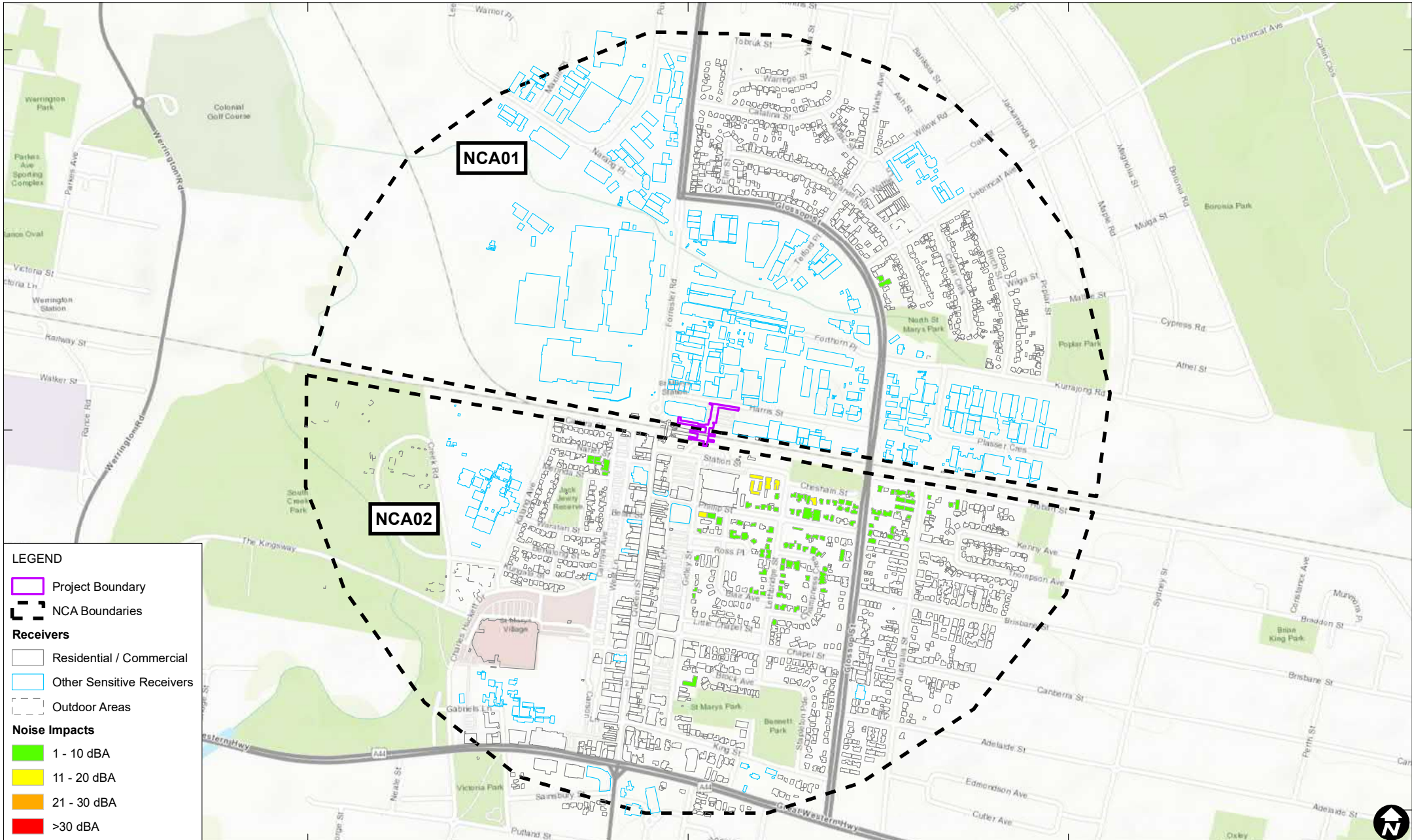
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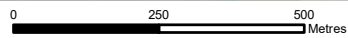
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LEGEND

- Project Boundary
- NCA Boundaries
- Receivers**
- Residential / Commercial
- Other Sensitive Receivers
- Outdoor Areas
- Noise Impacts**
- 1 - 10 dBA
- 11 - 20 dBA
- 21 - 30 dBA
- >30 dBA



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 Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 15/07/2022
 Project Number: 610.30899



Data Source: ESRI Imagery

**WORST-CASE NOISE IMPACTS
 SCAFFOLD AND FRP (SUPERSTRUCTURE) – NIGHT-TIME**

FIGURE B8

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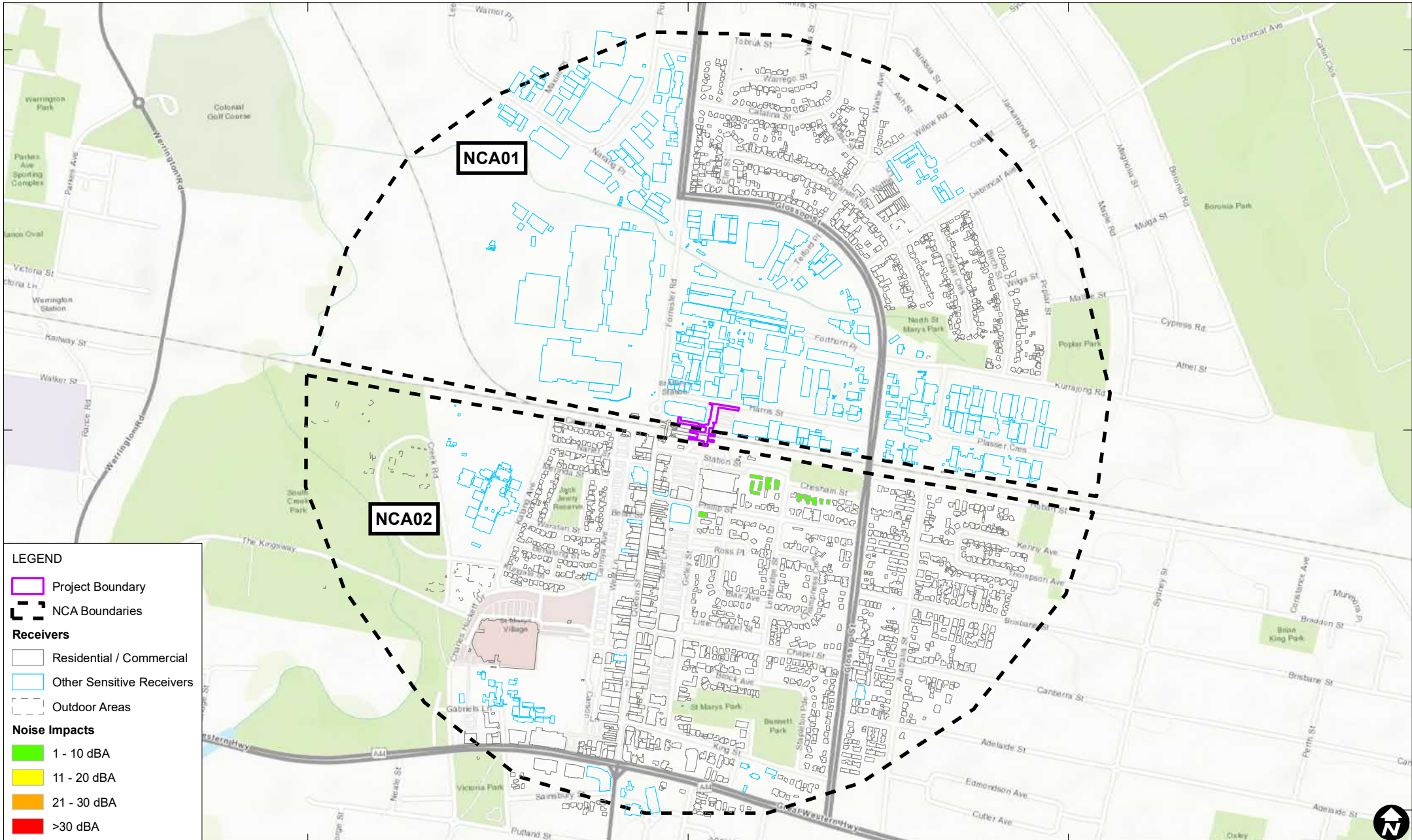
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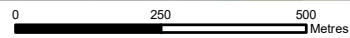
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LEGEND

-  Project Boundary
-  NCA Boundaries
- Receivers**
-  Residential / Commercial
-  Other Sensitive Receivers
-  Outdoor Areas
- Noise Impacts**
-  1 - 10 dBA
-  11 - 20 dBA
-  21 - 30 dBA
-  >30 dBA



Scale: 1:13,000 at A4
 Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 30/06/2022
 Project Number: 610.30899

Data Source: ESRI Imagery



**WORST-CASE NOISE IMPACTS
 INSTALL OF PRECAST/PREFAB ELEMENTS – DAYTIME**

FIGURE B9

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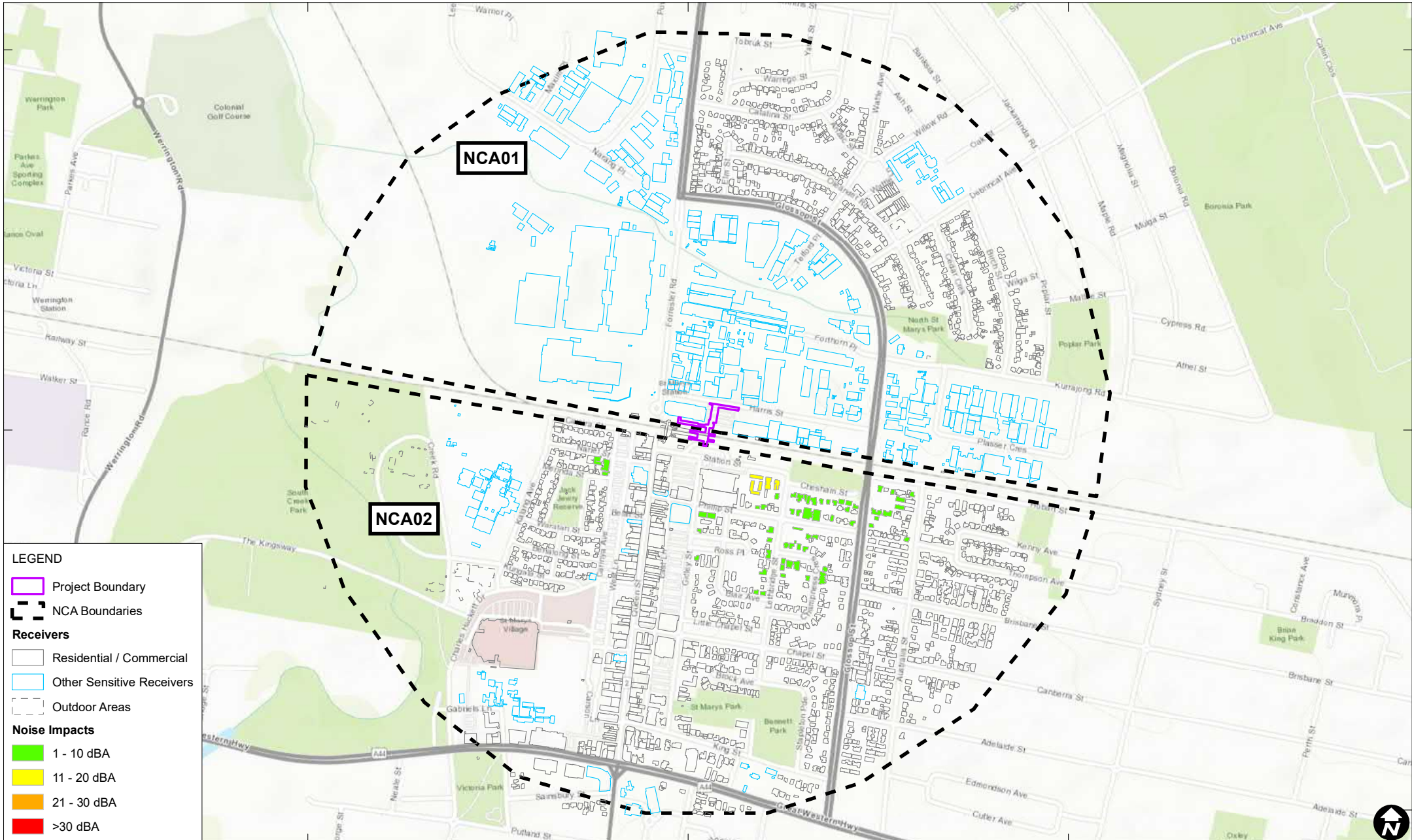
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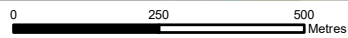
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LEGEND

- Project Boundary
- NCA Boundaries
- Receivers**
- Residential / Commercial
- Other Sensitive Receivers
- Outdoor Areas
- Noise Impacts**
- 1 - 10 dBA
- 11 - 20 dBA
- 21 - 30 dBA
- >30 dBA



Scale: 1:13,000 at A4
 Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 30/06/2022
 Project Number: 610.30899



Data Source: ESRI Imagery

**WORST-CASE NOISE IMPACTS
 INSTALL OF PRECAST/PREFAB ELEMENTS – NIGHT-TIME**

FIGURE B10

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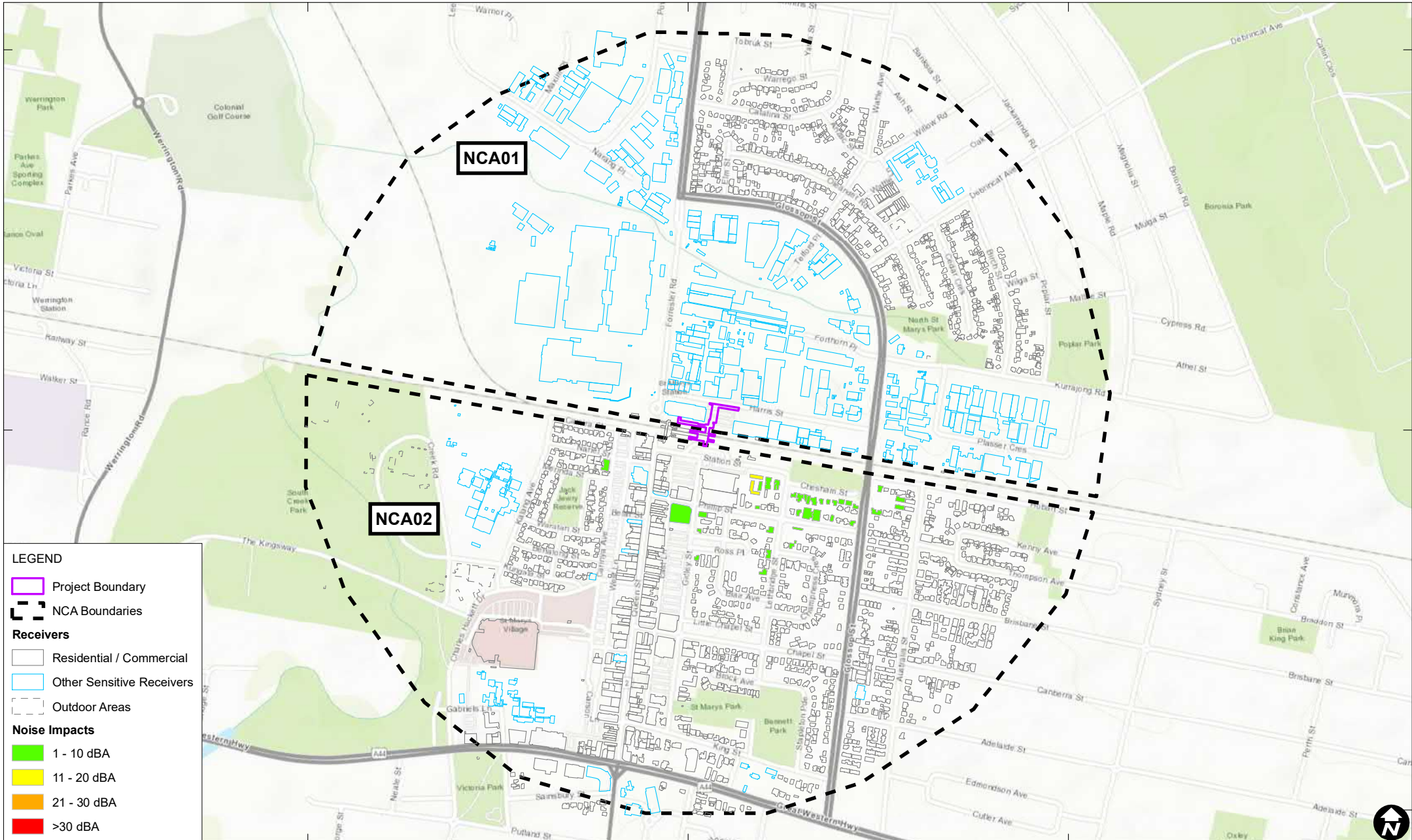
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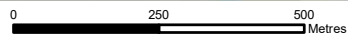
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LEGEND

- Project Boundary
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- Receivers**
- Residential / Commercial
- Other Sensitive Receivers
- Outdoor Areas
- Noise Impacts**
- 1 - 10 dBA
- 11 - 20 dBA
- 21 - 30 dBA
- >30 dBA



Scale: 1:13,000 at A4
 Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 30/06/2022
 Project Number: 610.30899



Data Source: ESRI Imagery

**WORST-CASE NOISE IMPACTS
 INSTALLATION OF LIFTS – DAYTIME**

FIGURE B11

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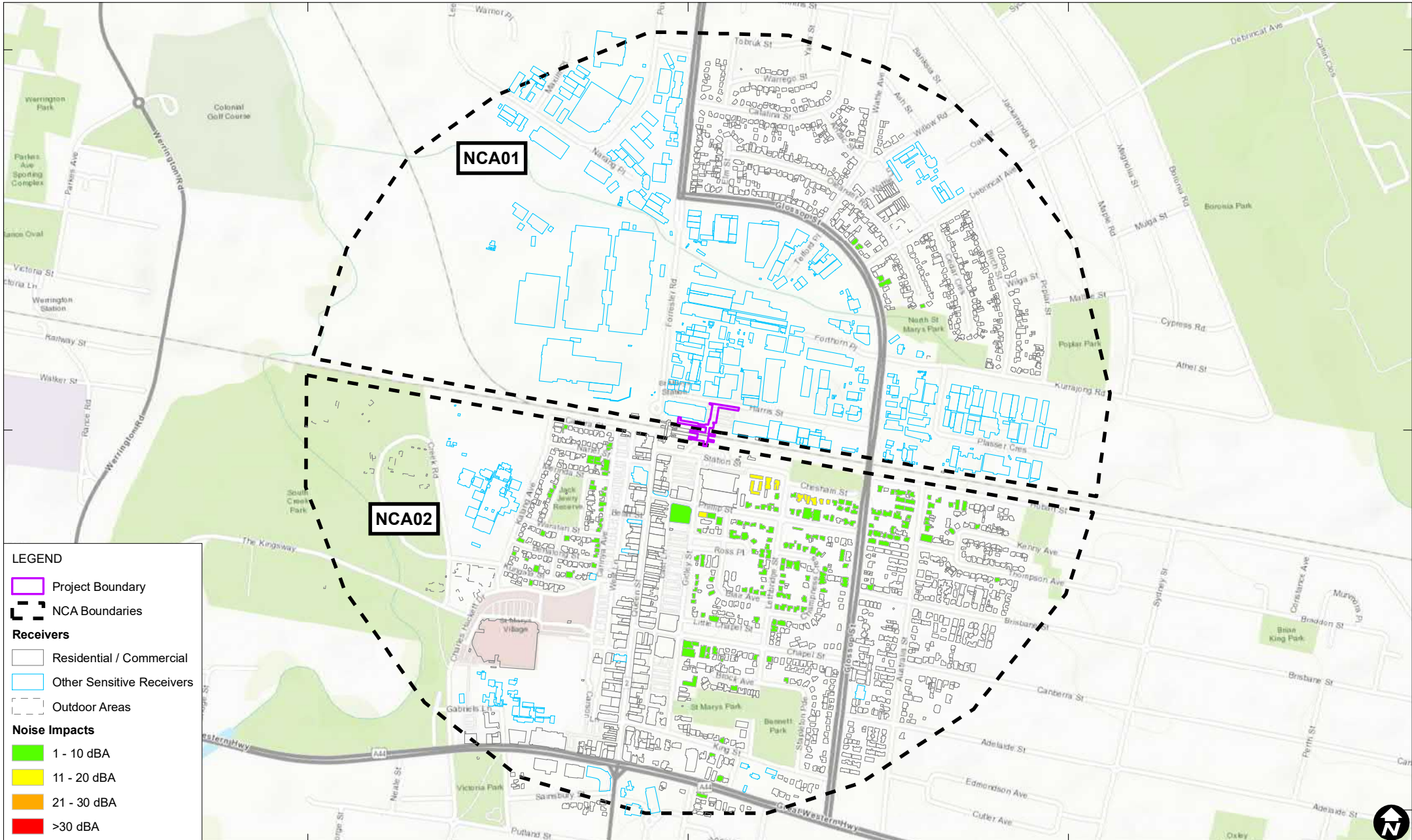
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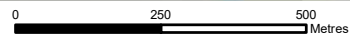
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LEGEND

- Project Boundary
- NCA Boundaries
- Receivers**
- Residential / Commercial
- Other Sensitive Receivers
- Outdoor Areas
- Noise Impacts**
- 1 - 10 dBA
- 11 - 20 dBA
- 21 - 30 dBA
- >30 dBA



Scale: 1:13,000 at A4
 Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 30/06/2022
 Project Number: 610.30899

Data Source: ESRI Imagery



**WORST-CASE NOISE IMPACTS
 INSTALLATION OF LIFTS – NIGHT-TIME**

FIGURE B12

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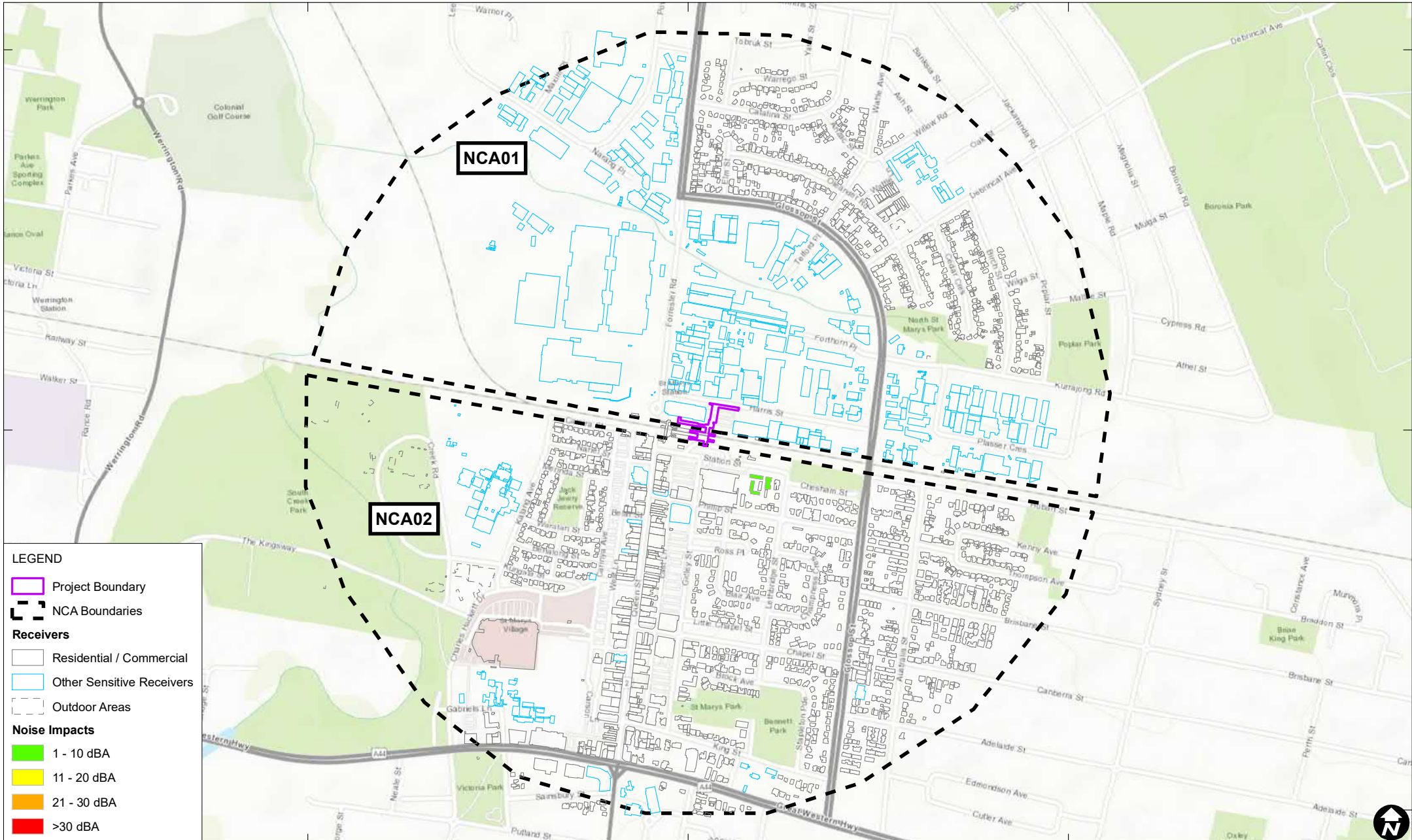
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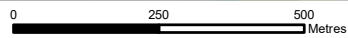
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LEGEND

- Project Boundary
- NCA Boundaries
- Receivers**
- Residential / Commercial
- Other Sensitive Receivers
- Outdoor Areas
- Noise Impacts**
- 1 - 10 dBA
- 11 - 20 dBA
- 21 - 30 dBA
- >30 dBA



Scale: 1:13,000 at A4
 Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 15/07/2022
 Project Number: 610.30899



Data Source: ESRI Imagery

**WORST-CASE NOISE IMPACTS
 MODIFICATIONS TO EXISTING SYDNEY TRAINS ASSETS- DAYTIME**

FIGURE B13

293000

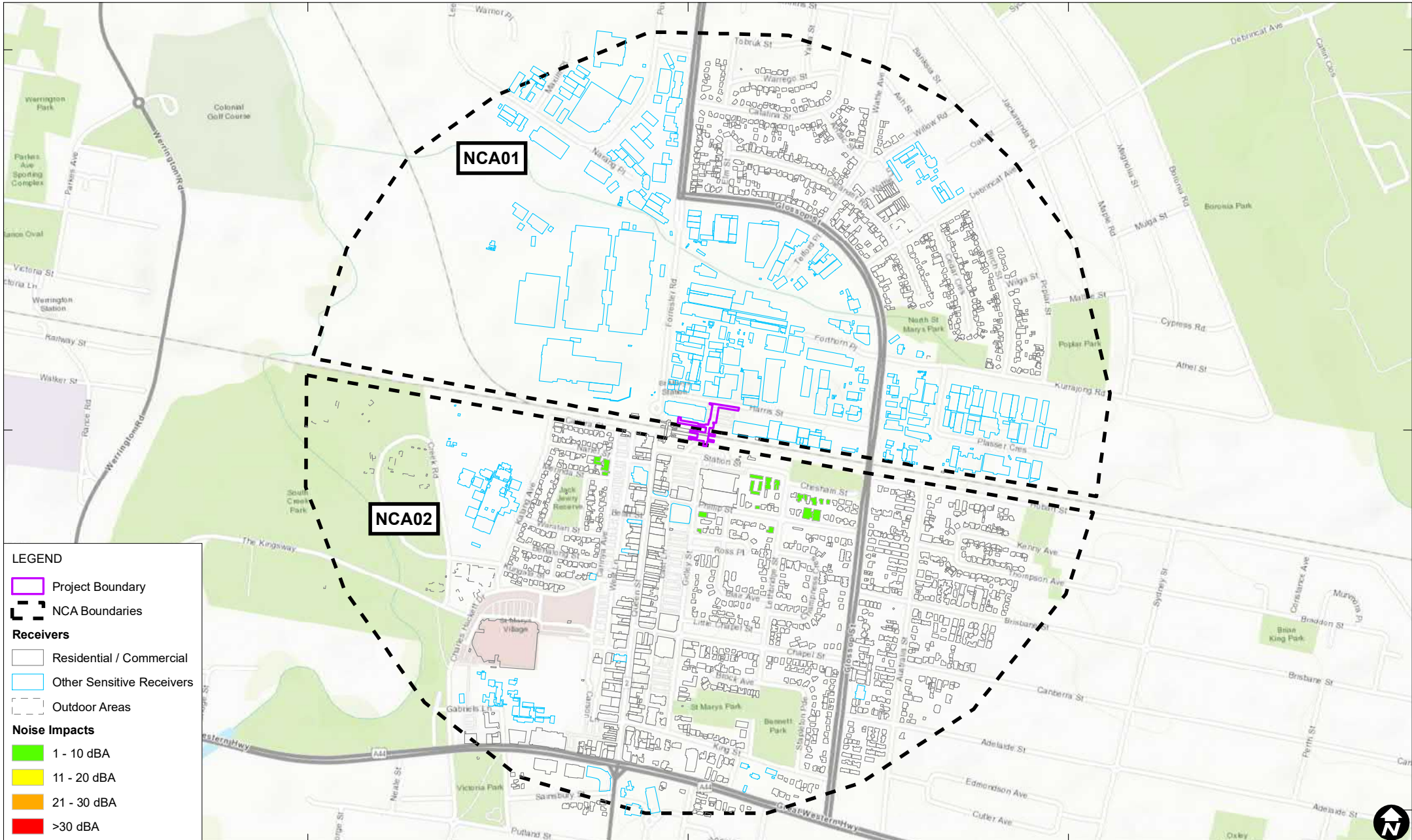
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6263000

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6263000



LEGEND

- Project Boundary
- NCA Boundaries
- Receivers**
 - Residential / Commercial
 - Other Sensitive Receivers
 - Outdoor Areas
- Noise Impacts**
 - 1 - 10 dBA
 - 11 - 20 dBA
 - 21 - 30 dBA
 - >30 dBA

0 250 500 Metres

Scale: 1:13,000 at A4
Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 15/07/2022
Project Number: 610.30899

Data Source: ESRI Imagery



**WORST-CASE NOISE IMPACTS
MODIFICATIONS TO EXISTING SYDNEY TRAINS ASSETS- NIGHT-TIME**

FIGURE B14

293000

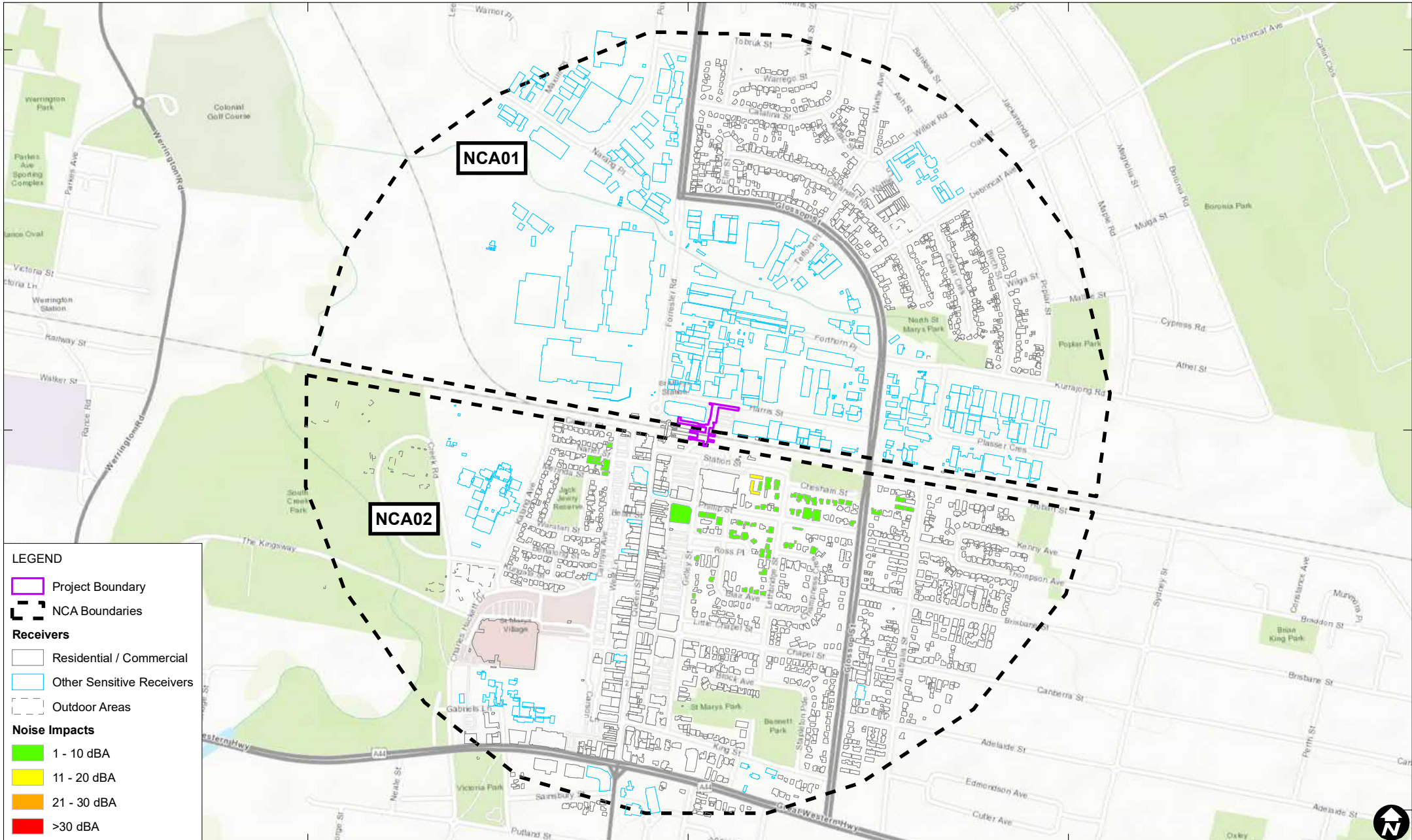
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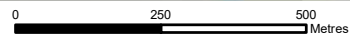
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6263000



LEGEND

- Project Boundary
- NCA Boundaries
- Receivers**
- Residential / Commercial
- Other Sensitive Receivers
- Outdoor Areas
- Noise Impacts**
- 1 - 10 dBA
- 11 - 20 dBA
- 21 - 30 dBA
- >30 dBA



Scale: 1:13,000 at A4
 Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 15/07/2022
 Project Number: 610.30899



Data Source: ESRI Imagery

**WORST-CASE NOISE IMPACTS
 CONSTRUCTION OF STAIRS AND CANOPIES – DAYTIME**

FIGURE B15

293000

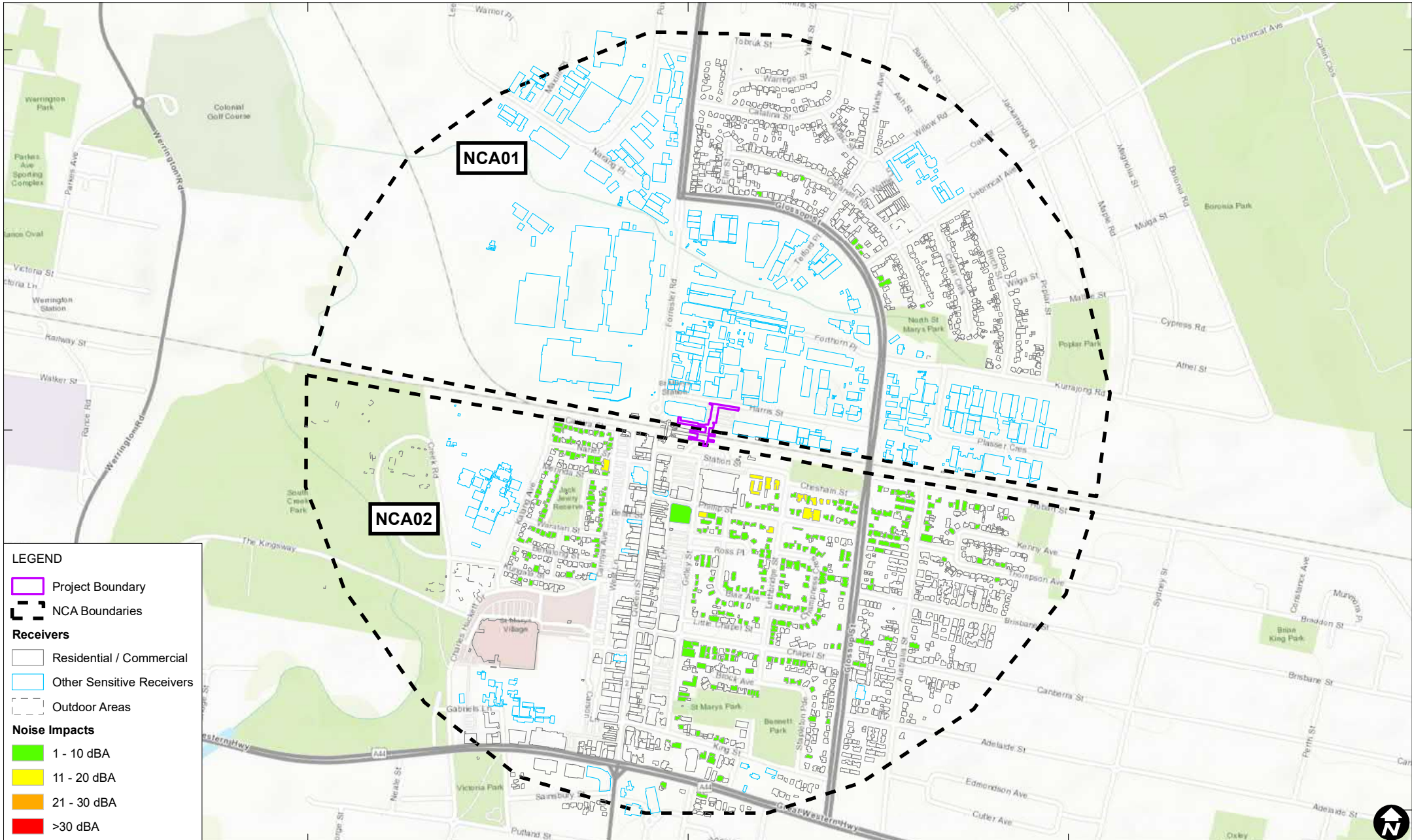
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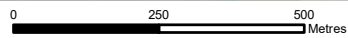
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6263000



LEGEND

- Project Boundary
- NCA Boundaries
- Receivers**
- Residential / Commercial
- Other Sensitive Receivers
- Outdoor Areas
- Noise Impacts**
- 1 - 10 dBA
- 11 - 20 dBA
- 21 - 30 dBA
- >30 dBA



Scale: 1:13,000 at A4
 Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 15/07/2022
 Project Number: 610.30899



Data Source: ESRI Imagery

**WORST-CASE NOISE IMPACTS
 CONSTRUCTION OF STAIRS AND CANOPIES – NIGHT-TIME**

FIGURE B16

293000

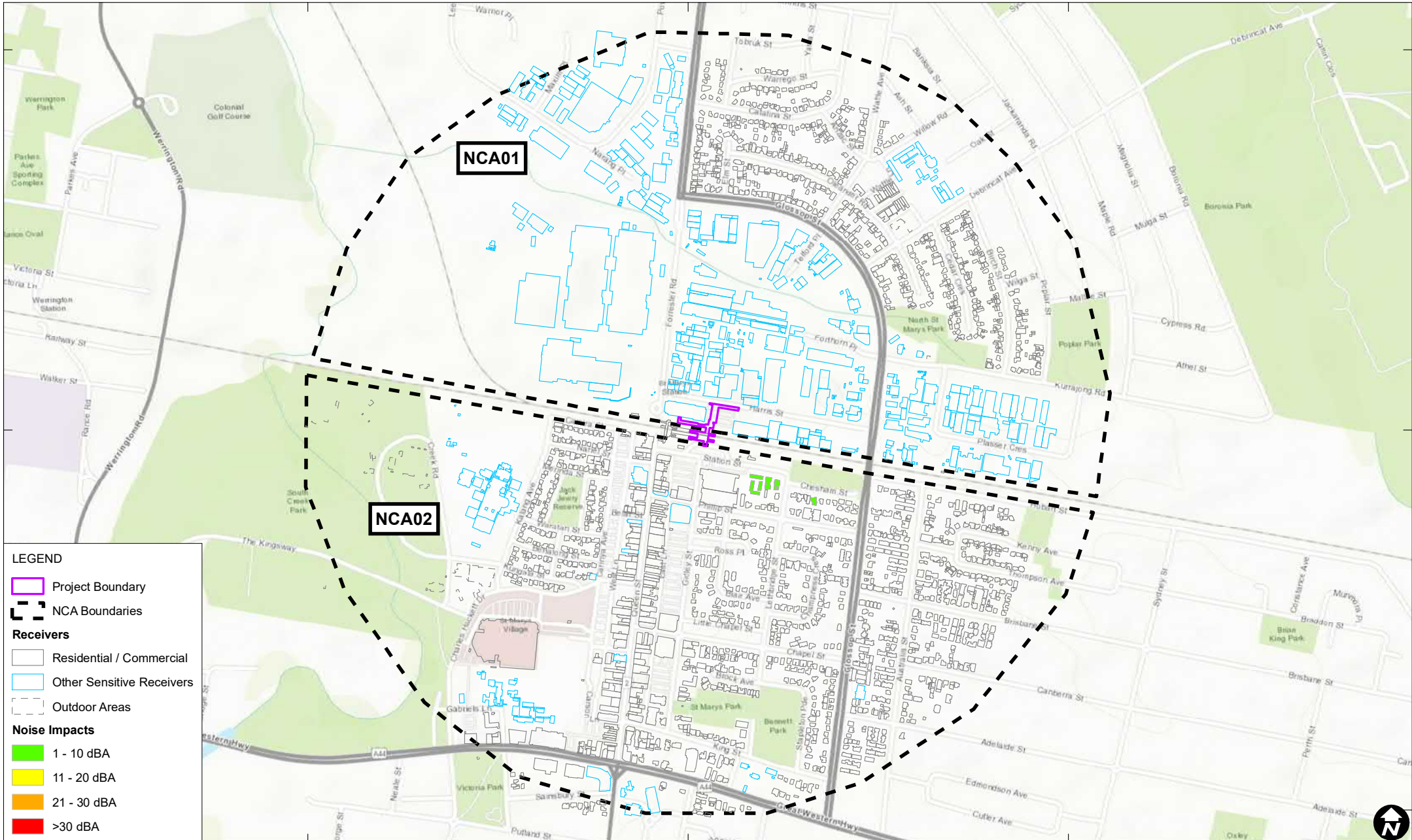
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6263000

6263000

6263000



LEGEND

- Project Boundary
- NCA Boundaries
- Receivers**
- Residential / Commercial
- Other Sensitive Receivers
- Outdoor Areas
- Noise Impacts**
- 1 - 10 dBA
- 11 - 20 dBA
- 21 - 30 dBA
- >30 dBA

0 250 500 Metres

Scale: 1:13,000 at A4
Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 30/06/2022
Project Number: 610.30899

Data Source: ESRI Imagery



**WORST-CASE NOISE IMPACTS
INSTALLATION OF SYDNEY TRAINS SERVICES – DAYTIME**

FIGURE B17

293000

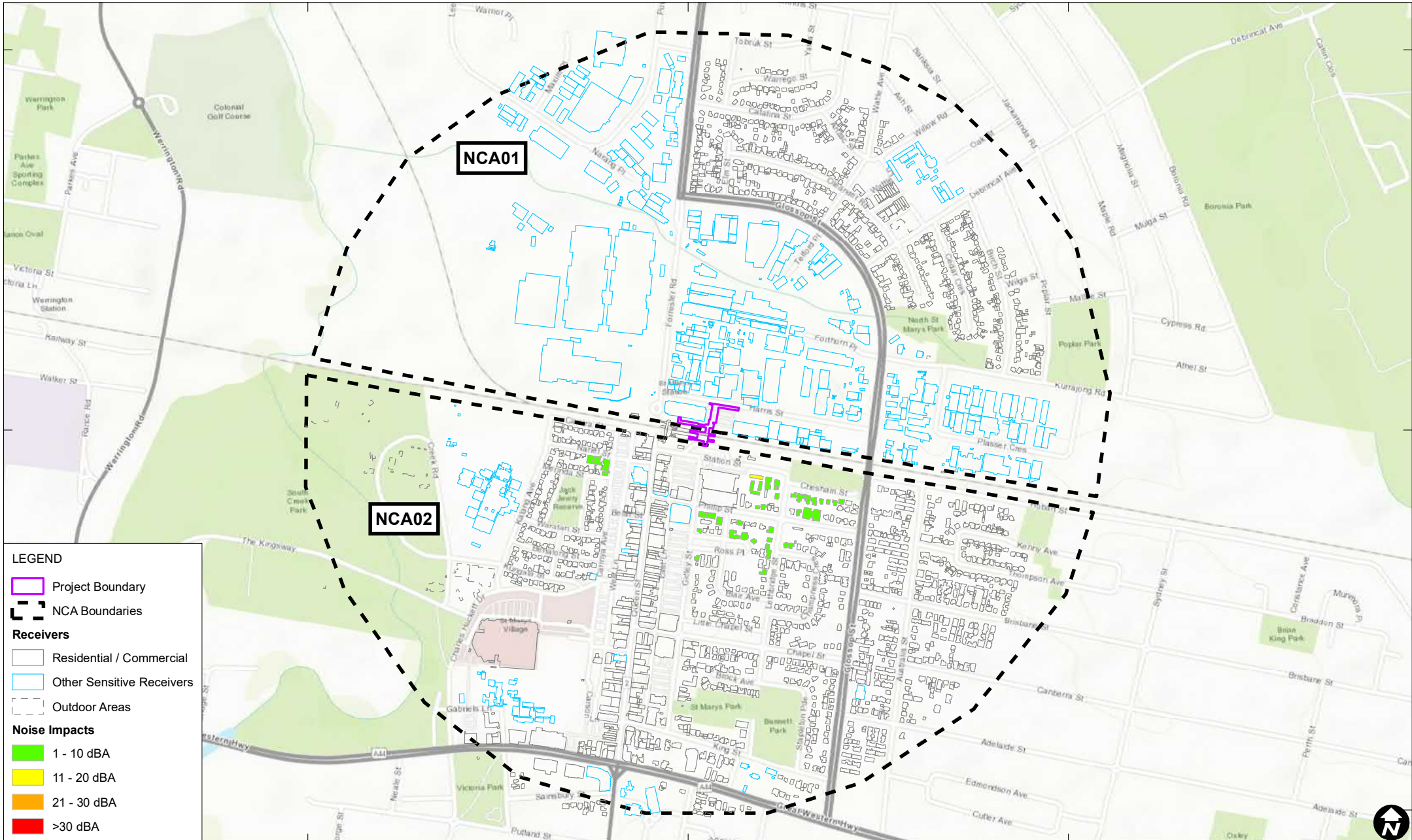
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6263000

6263000

6263000



LEGEND

- Project Boundary
- NCA Boundaries
- Receivers**
 - Residential / Commercial
 - Other Sensitive Receivers
 - Outdoor Areas
- Noise Impacts**
 - 1 - 10 dBA
 - 11 - 20 dBA
 - 21 - 30 dBA
 - >30 dBA

0 250 500 Metres

Scale: 1:13,000 at A4
Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 30/06/2022
Project Number: 610.30899

Data Source: ESRI Imagery



**WORST-CASE NOISE IMPACTS
INSTALLATION OF SYDNEY TRAINS SERVICES – NIGHT-TIME**

FIGURE B18

293000

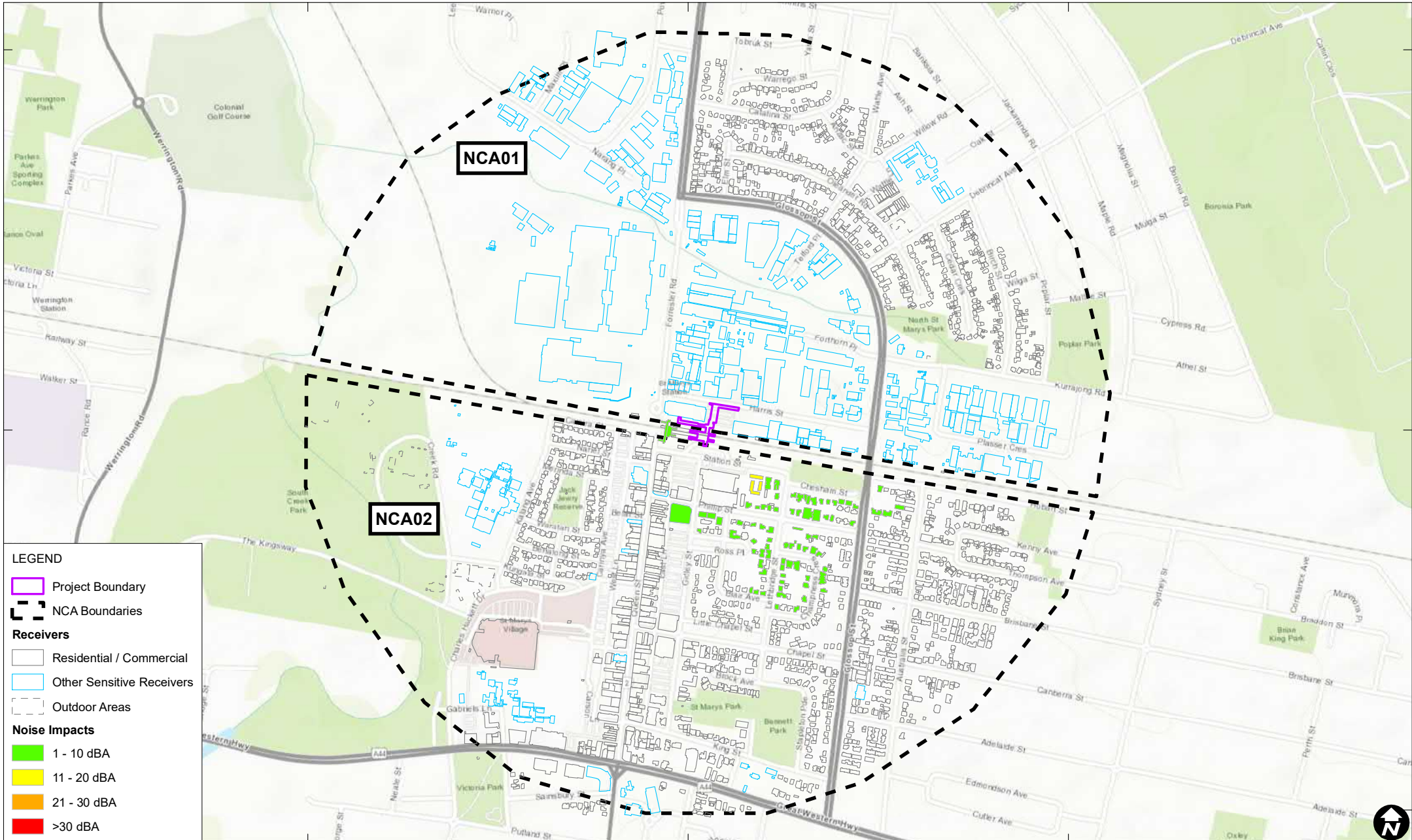
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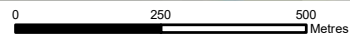
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LEGEND

- Project Boundary
- NCA Boundaries
- Receivers**
- Residential / Commercial
- Other Sensitive Receivers
- Outdoor Areas
- Noise Impacts**
- 1 - 10 dBA
- 11 - 20 dBA
- 21 - 30 dBA
- >30 dBA



Scale: 1:13,000 at A4
 Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 15/07/2022
 Project Number: 610.30899



Data Source: ESRI Imagery

**WORST-CASE NOISE IMPACTS
 NORTHERN/HARRIS ST WORK – DAYTIME**

FIGURE B19

293000

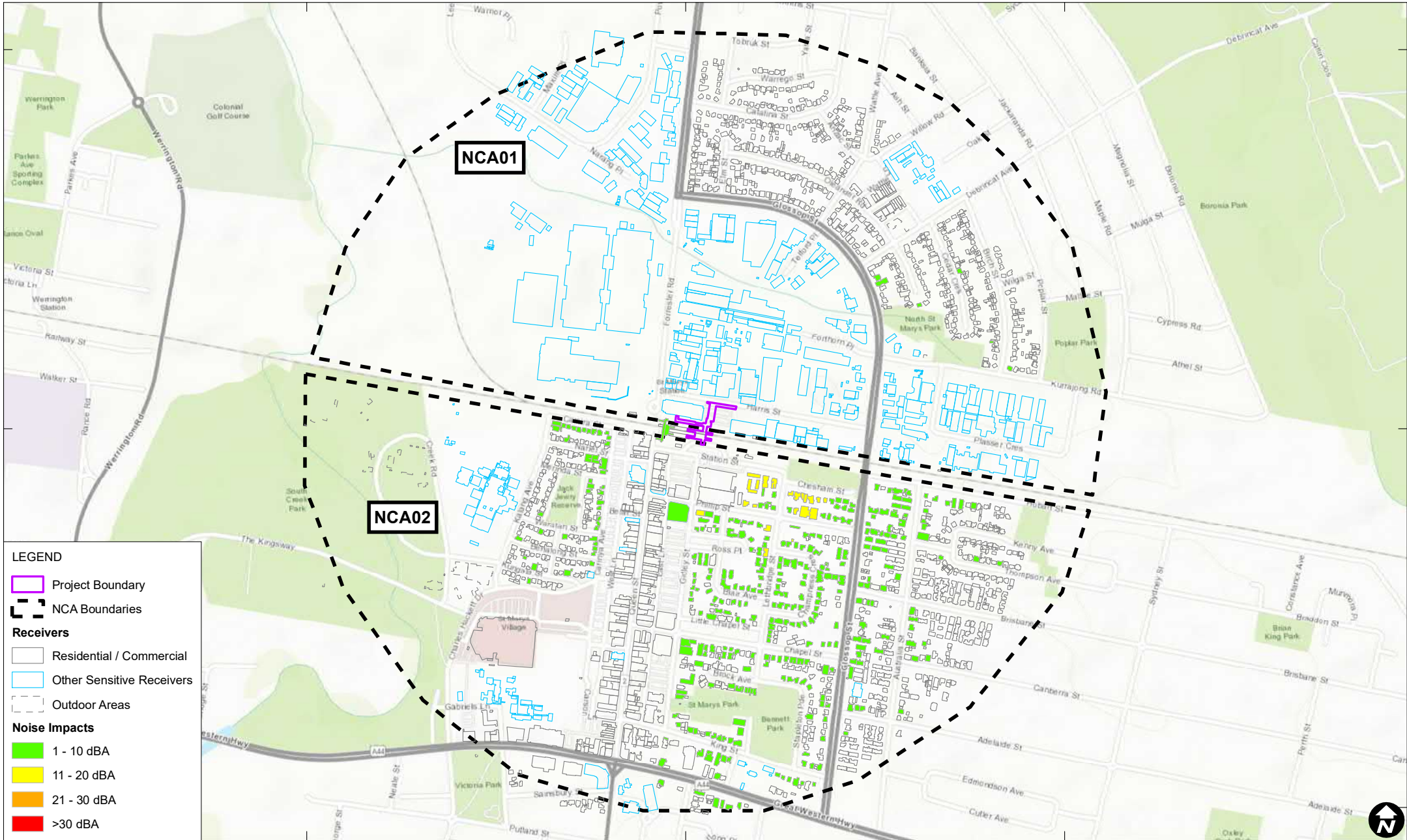
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LEGEND

- Project Boundary
- NCA Boundaries
- Receivers**
- Residential / Commercial
- Other Sensitive Receivers
- Outdoor Areas
- Noise Impacts**
- 1 - 10 dBA
- 11 - 20 dBA
- 21 - 30 dBA
- >30 dBA

0 250 500 Metres

Scale: 1:13,000 at A4
Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 15/07/2022
Project Number: 610.30899

Data Source: ESRI Imagery



**WORST-CASE NOISE IMPACTS
NORTHERN/HARRIS ST WORK – NIGHT-TIME**

FIGURE B20

293000

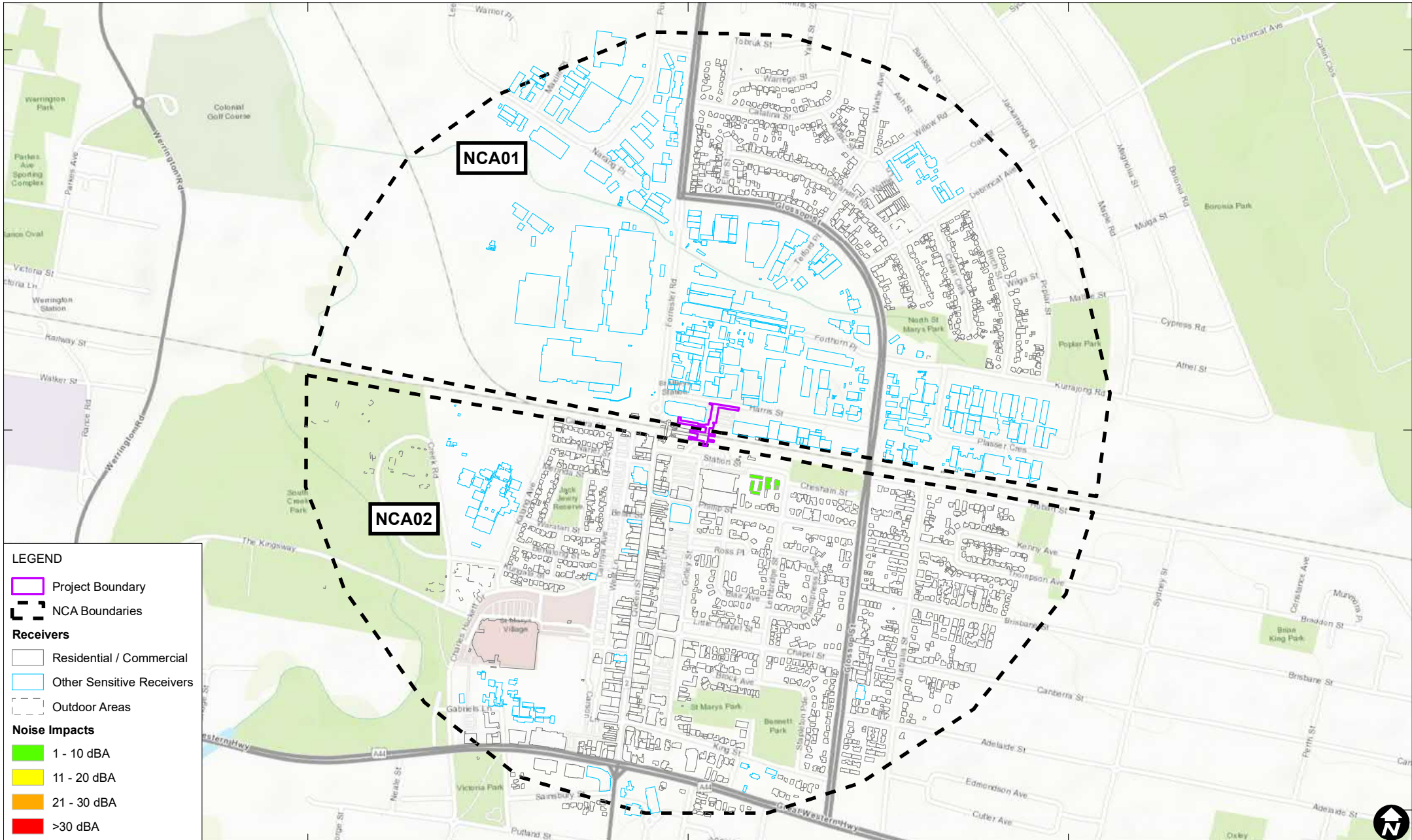
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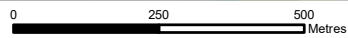
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6263000



LEGEND

- Project Boundary
- NCA Boundaries
- Receivers**
- Residential / Commercial
- Other Sensitive Receivers
- Outdoor Areas
- Noise Impacts**
- 1 - 10 dBA
- 11 - 20 dBA
- 21 - 30 dBA
- >30 dBA



Scale: 1:13,000 at A4
 Coordinate System: GDA2020 MGA Zone 56

Date Drawn: 30/06/2022
 Project Number: 610.30899



Data Source: ESRI Imagery

**WORST-CASE NOISE IMPACTS
 DEMOBILISATION – DAYTIME**

FIGURE B21

Appendix C:

Noise Impact at Individual Addresses

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (L _{Aeq})												Predicted Noise Levels - Construction Scenarios (L _{Amax})												
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfl	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	
154 GLOSSOP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	35	29	27	28	22	20	24	13	22	15	36	27	43	47	42	47	42	42	42	31	42	32	42	37	
12 STAPLETON PDE, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	43	43	41	42	36	34	38	32	41	34	44	35	49	53	48	48	48	38	49	39	48	43		
43 POPLAR ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	43	53	65	36	37	35	36	30	28	32	26	35	28	37	28	38	42	37	42	37	37	32	43	33	37	32	
ST MARYS RAILWAY STATION 63 STATION ST, NORTH ST MARYS NSW 2760	Commercial	Transport/Infrastructure	NCA01	38	38	38	-	-	-	-	-	-	76	75	73	74	68	66	70	60	69	62	77	68	77	81	76	81	76	76	76	66	77	67	76	71	
7 PARKLAWN PL, NORTH ST MARYS NSW 2760	Commercial	Commercial/Business	NCA01	38	38	38	-	70	70	70	70	-	42	46	44	45	39	37	41	33	42	35	40	34	47	51	46	51	46	46	46	39	50	40	46	41	
19 ARALUEN AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	41	45	43	44	38	36	40	34	43	36	36	33	46	50	45	50	45	45	45	40	51	41	45	40	
17 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	47	48	46	47	41	39	43	38	47	40	48	39	54	58	53	58	53	53	53	44	55	45	53	48
2/23 PARKLAWN PL, NORTH ST MARYS NSW 2760	Commercial	Commercial/Business	NCA01	38	38	38	-	70	70	70	70	-	37	41	39	40	34	32	36	29	38	31	33	29	45	49	44	49	44	44	44	37	48	38	44	39	
57 CARINYA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	43	47	45	46	40	38	42	35	44	37	43	35	49	53	48	53	48	48	41	52	42	48	43	
35 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	34	37	35	36	30	28	32	23	32	25	35	26	40	44	39	44	39	39	29	40	30	39	34	
45 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	32	35	33	34	28	26	30	22	31	24	33	24	40	44	39	44	39	39	29	40	30	39	34	
9 WARATAH ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	42	46	44	45	39	37	41	35	44	37	40	34	49	53	48	53	48	48	48	42	53	43	48	43
5 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	43	53	65	30	34	32	33	27	25	29	24	33	26	30	22	37	41	36	41	36	36	31	42	32	36	31	
SOUTH CREEK PARK 2 THE KINGSWAY, ST MARYS NSW 2760	Active Recreation	Recreational/Open Space	NCA02	37	37	36	-	65	65	65	65	-	32	36	34	35	29	27	31	26	35	28	29	24	37	41	36	41	36	36	36	33	44	34	36	31	
ST MARYS BOWLING CLUB 12 CARSON LANE, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	-	70	70	70	70	-	33	36	34	35	29	27	31	23	32	25	34	25	38	42	37	42	37	37	33	44	34	37	32	32	
50 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	-	70	70	70	70	-	46	50	48	49	43	41	45	38	47	40	47	38	50	54	49	54	49	49	49	44	55	45	49	44	
180 CANBERRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	29	31	29	30	24	22	26	17	26	19	30	21	35	39	34	39	34	34	23	34	24	34	29	
1 KALANG AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	37	41	39	40	34	32	36	30	39	32	36	29	43	47	42	47	42	42	36	47	37	42	37	
120 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	38	42	40	41	35	33	37	29	38	31	39	30	42	46	41	46	41	41	36	47	37	41	36	
8 CHESHAM ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	51	55	53	54	48	46	50	40	49	42	50	43	57	61	56	61	56	56	46	57	47	56	51	
158 GLOSSOP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	28	30	28	29	23	21	25	15	24	17	29	20	34	38	33	38	33	33	33	22	33	23	33	28	
90-96 FORRESTER RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	-	75	75	75	75	-	34	37	35	36	30	28	32	29	38	31	35	26	40	44	39	44	39	39	34	45	35	39	34		
6 ANZAC ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	43	53	65	36	40	38	39	33	31	35	28	37	30	34	28	42	46	41	46	41	41	36	47	37	41	36	
20 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	43	53	65	40	44	42	43	37	35	39	28	37	30	39	32	46	50	45	50	45	45	34	45	35	45	40	
24 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	43	53	65	33	37	35	36	30	28	32	29	38	31	32	25	40	44	39	44	39	39	37	48	38	39	34	
4 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	39	39	37	38	32	30	34	28	37	30	40	31	46	50	45	50	45	45	34	45	35	45	40	
7 PHILLIP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	16	
25 CHAMPNESS CR, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	43	47	45	46	40	38	42	32	41	34	43	35	49	53	48	53	48	48	48	40	51	41	48	43	
33 CARINYA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	44	47	45	46	40	38	42	36	45	38	45	36	50	54	49	54	49	49	42	53	43	49	44	
37 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	-	75	75	75	75	-	42	46	44	45	39	37	41	36	45	38	43	34	48	52	47	52	47	47	47	36	47	37	47	42	
17 WATTLE AV, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	35	39	37	38	32	30	34	29	38	31	34	27	42	46	41	46	41	41	36	47	37	41	36	36	
36 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	43	53	65	37	41	39	40	34	32	36	29	38	31	33	29	45	49	44	49	44	44	37	48	38	44	39	
5 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	41	43	41	42	36	34	38	30	39	32	42	33	47	51	46	51	46	46	46	36	47	37	46	41
69 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	-	75	75	75	75	-	37	40	38	39	33	31	35	29	38	31	38	29	42	46	41	46	41	41	33	44	34	41	36	41	
36 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	42	41	39	40	34	32	36	33	42	35	43	34	51	55	50	55	50	50	39	50	40	50	45	
321A GREAT WESTERN HWY, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	35	37	35	36	30	28	32	25	34	27	36	27	39	43	38	43	38	38	38	31	42	32	38	33	
25C QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	-	70	70	70	70	-	45	49	47	48	42	40	44	39	48	41	43	37	51	55	50	55	50	50	44	55	45	50	45	45	
26 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	41	43	41	42	36	34	38	28	37	30	42	33	47	51	46	51	46	46	35	46	36	46	41	
64 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	43	53	65	40	44	42	43	37	35	39	31	40	33	47	48	43	48	43	43	37	48	38	43	38	43		
24 BIRCH ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	31	35	33	34	28	26	30	23	32	25	32	23	37	41	36	41	36	36	29	40	30	36	31	31	
28 KENNY AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	39	43	41	42	36	34	38	27	36	29	34	31	45	49	44	49	44	44	34	45	35	44	39		
32 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	43	53	65	38	42	40	41	35	33	37	31	40	33	37	30	47	51	46	51	46	46	37	48	38	46	41	
19 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	43	53	65	35	39	37	38	32	30	34	29	38	31	34	27	41	45	40	45	40	40	36	47	37	40	35	
3 3 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36</																															

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAmax)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfi	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
123 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	36	40	38	39	33	31	35	31	40	33	34	28	42	46	41	46	41	41	41	38	49	39	41	36
1/66 HOBART ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	46	44	45	39	37	41	31	40	33	41	34	47	51	46	51	46	46	46	37	48	38	46	41
222 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	36	39	37	38	32	30	34	30	39	32	37	28	44	48	43	48	43	43	36	47	37	43	38	
1 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	36	40	38	39	33	31	35	29	38	31	35	28	41	45	40	45	40	40	34	45	35	40	35	
4/1 BROCK AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	46	44	45	39	37	41	33	42	35	45	36	50	54	49	54	49	49	39	50	40	49	44	
5 KING ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	31	34	32	33	27	25	29	23	32	25	32	23	37	41	36	41	36	36	29	40	30	36	31	
ST MARYS SENIOR HIGH SCHOOL 6-50 KALANG AV, ST MARYS NSW 2760	Educational	Residential	NCA02	37	37	36	55	55	55	55	-	-	43	47	45	46	40	38	42	35	44	37	41	35	50	54	49	54	49	49	49	41	52	42	49	44
31-43 POWER ST, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	30	32	30	31	25	23	27	26	35	28	31	22	35	39	34	39	34	34	32	43	33	34	29	
37 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	39	37	38	32	30	34	27	36	29	37	28	40	44	39	44	39	39	33	44	34	39	34	
27 THOMPSON AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	40	44	42	43	37	35	39	28	37	30	39	32	46	50	45	50	45	45	35	46	36	45	40	
9 BENALONG ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	45	43	44	38	36	40	32	41	34	40	33	47	51	46	51	46	46	46	38	49	39	46	41
1 CHESHAM ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	45	47	45	46	40	38	42	34	43	36	46	37	49	53	48	53	48	48	41	52	42	48	43	
18 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	34	38	36	37	31	29	33	30	39	32	34	26	40	44	39	44	39	39	37	48	38	39	34	
62 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	44	48	46	47	41	39	43	34	43	36	43	36	49	53	48	53	48	48	41	52	42	48	43	
297 GREAT WESTERN HWY, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	30	32	30	31	25	23	27	17	26	19	31	22	36	40	35	40	35	35	24	35	25	35	30	
10 FORRESTER RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	43	40	38	39	33	31	35	30	39	32	44	35	55	59	54	59	54	54	43	54	44	54	49	
44 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	29	30	31	32	26	24	28	17	26	19	29	21	34	38	33	38	33	33	34	24	35	25	33	28
10 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	39	37	38	32	30	34	28	37	30	39	30	43	47	42	47	42	42	34	45	35	42	37	
149 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	26	27	25	26	20	18	22	10	19	12	27	18	32	36	31	36	31	31	20	31	21	31	26	
31 BIRCH ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	40	44	42	43	37	35	39	31	40	33	40	32	46	50	45	50	45	45	37	48	38	45	40	
129 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	29	33	31	32	26	24	28	24	33	26	29	21	36	40	35	40	35	35	31	42	32	35	30	
46 GLOSSOP ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	37	41	39	40	34	32	36	30	39	32	33	29	45	49	44	49	44	44	37	48	38	44	39	
68 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	44	48	46	47	41	39	43	34	43	36	43	36	49	53	48	53	48	48	41	52	42	48	43	
71 CARINYA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	44	42	43	37	35	39	34	43	36	39	32	50	54	49	54	49	49	45	56	46	49	44	
ST MARYS NORTH PUBLIC SCHOOL 24-40 WILLOW RD, NORTH ST MARYS NSW 2760	Educational	Residential	NCA01	38	38	38	55	55	55	55	-	-	39	43	41	42	36	34	38	32	41	34	34	31	46	50	45	50	45	45	39	50	40	45	40	
26 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	36	34	35	29	27	31	23	32	25	34	25	38	42	37	42	37	37	30	41	31	37	32	
40 GLOSSOP ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	34	38	36	37	31	29	33	29	38	31	33	26	40	44	39	44	39	39	37	48	38	39	34	
6 DEBRINCAT AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	39	43	41	42	36	34	38	29	38	31	35	31	45	49	44	49	44	44	35	46	36	44	39	
57 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	28	32	30	31	25	23	27	23	32	25	27	20	33	37	32	37	32	32	24	35	25	32	27	
154 GLOSSOP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	33	34	32	33	27	25	29	21	30	23	34	25	41	45	40	45	40	40	29	40	30	40	35	
6 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
102-114 FORRESTER RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	37	41	39	40	34	32	36	33	42	35	37	29	41	45	40	45	40	40	39	50	40	40	35	
1/17 PLASSER CR, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	42	43	41	42	36	34	38	32	41	34	43	34	49	53	48	53	48	48	39	50	40	48	43	
127 FORRESTER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	26	29	27	28	22	20	24	15	24	17	27	18	32	36	31	36	31	31	21	32	22	31	26	
24/39-41 GIDLEY ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	46	50	48	49	43	41	45	36	45	38	46	38	52	56	51	56	51	51	43	54	44	51	46	
3/32 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
6 ACACIA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	42	40	41	35	33	37	28	37	30	35	30	45	49	44	49	44	44	38	49	39	44	39	
1 POWER ST, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	35	39	37	38	32	30	34	29	38	31	34	27	39	43	38	43	38	38	35	46	36	38	33	
9 BLAIR AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	44	47	45	46	40	38	42	34	43	36	45	36	49	53	48	53	48	48	40	51	41	48	43	
12 DEBRINCAT AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	34	38	36	37	31	29	33	25	34	27	32	26	39	43	38	43	38	38	30	41	31	38	33	
39 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	30	34	32	33	27	25	29	19	28	21	30	22	36	40	35	40	35	35	25	36	26	35	30	
22 CEDAR CR, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	35	39	37	38	32	30	34	27	36	29	35	27	40	44	39	44	39	39	33	44	34	39	34	
7 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	29	31	29	30	24	22	26	18	27	20	30	21	33	37	32	37	32	25	36	26	32	27		
16 TOBRUK ST, NORTH ST MARYS NSW 2760	Passive Recreation	Recreational/Open Space	NCA01	38	38	38	60	60	60	60	-	-	31	35	33	34	28	26	30	25	34	27	29	23	39	43	38	43	38	38	32	43	33	38	33	
23 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential																																		

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAMax)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfl	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
8 WARREGO ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	33	37	35	36	30	28	32	28	37	30	32	25	40	44	39	44	39	39	39	35	46	36	39	34
151-153 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	41	52	65	30	31	29	30	24	22	26	17	26	19	31	22	37	41	36	41	36	36	36	25	36	26	36	31
UNIT 4 186-188 ADELAIDE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	52	65	34	35	33	34	28	26	30	23	32	25	35	26	42	46	41	46	41	41	30	41	31	41	36	
5/2A COLLINS ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	52	65	43	47	45	46	40	38	42	33	42	35	44	35	48	52	47	52	47	47	39	50	40	47	42	
8/11 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	52	65	38	39	37	38	32	30	34	27	36	29	39	30	44	48	43	48	43	43	33	44	34	43	38	
9 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	53	65	33	37	35	36	30	28	32	29	38	31	34	25	41	45	40	45	40	40	37	48	38	40	35	
35 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	53	65	32	36	34	35	29	27	31	27	36	29	32	24	39	43	38	43	38	38	35	46	36	38	33	
27 PHILLIP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	52	52	50	51	45	43	47	38	47	40	53	44	60	64	59	64	59	59	48	59	49	59	54	
1/19-21 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	52	65	43	44	42	43	37	35	39	34	43	36	44	35	49	53	48	53	48	48	40	51	41	48	43	
9 ARALUEN AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	52	65	42	46	44	45	39	37	41	36	45	38	41	34	47	51	46	51	46	46	42	53	43	46	41	
39 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	53	65	29	33	31	32	26	24	28	21	30	23	28	21	35	39	34	39	34	34	28	39	29	34	29	
9 KUNGALA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	52	65	37	41	39	40	34	32	36	30	39	32	38	29	44	48	43	48	43	43	36	47	37	43	38	
19 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	53	65	37	41	39	40	34	32	36	30	39	32	35	29	42	46	41	46	41	41	36	47	37	41	36	
UNIT 7 17 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	52	65	44	44	42	43	37	35	39	30	39	32	45	36	50	54	49	54	49	49	38	49	39	49	44	
186 CANBERRA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	38	36	37	31	29	33	26	35	28	37	28	45	49	44	49	44	44	33	44	34	44	39	
155 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	53	65	29	33	31	32	26	24	28	24	33	26	28	21	36	40	35	40	35	35	35	31	42	32	35	30
40-42 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	53	65	40	44	42	43	37	35	39	31	40	33	37	32	46	50	45	50	45	45	45	38	49	39	45	40
72 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	53	65	43	47	45	46	40	38	42	32	41	34	43	35	48	52	47	52	47	47	37	48	38	47	42	
2 FORRESTER RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	-	75	75	75	75	-	31	32	30	31	25	23	27	22	31	24	32	23	42	46	41	46	41	41	30	41	31	41	36	
38 KENNY AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	52	65	38	42	40	41	35	33	37	28	37	30	37	30	44	48	43	48	43	43	35	46	36	43	38	
159 GLOSSOP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
ST MARYS NORTH PUBLIC SCHOOL 24-40 WILLOW RD, NORTH ST MARYS NSW 2760	Educational	Residential	NCA01	38	38	38	-	55	55	55	55	-	39	43	41	42	36	34	38	28	37	30	36	31	45	49	44	49	44	44	35	46	36	44	39	
23 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	53	65	42	46	44	45	39	37	41	32	41	34	43	34	48	52	47	52	47	47	38	49	39	47	42	
2A WATTLE AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	53	65	42	46	44	45	39	37	41	34	43	36	40	34	49	53	48	53	48	48	41	52	42	48	43	
156 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	52	65	33	36	34	35	29	27	31	24	33	26	34	25	36	40	35	40	35	35	32	43	33	35	30	
186 CANBERRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	52	65	38	39	37	38	32	30	34	29	38	31	39	30	44	48	43	48	43	43	35	46	36	43	38	
3/7 KURRAJONG RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	-	75	75	75	75	-	36	36	34	35	29	27	31	23	32	25	37	28	39	43	38	43	38	38	29	40	30	38	33	
23 BENALONG ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	34	38	36	37	31	29	33	25	34	27	33	26	40	44	39	44	39	39	32	43	33	39	34	
5 PHILLIP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	52	65	42	45	43	44	38	36	40	29	38	31	43	34	45	49	44	49	44	44	35	46	36	44	39	
1 ARALUEN AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	40	38	39	33	31	35	29	38	31	36	28	43	47	42	47	42	42	35	46	36	42	37	
59 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	53	65	38	42	40	41	35	33	37	29	38	31	34	30	45	49	44	49	44	44	34	45	35	44	39	
36A CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	53	65	34	38	36	37	31	29	33	25	34	27	35	26	39	43	38	43	38	38	33	44	34	38	33	
59 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	-	75	75	75	75	-	55	45	43	44	38	36	40	35	44	37	56	47	65	69	64	69	64	64	53	64	54	64	59	
9 KALANG AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	52	65	43	47	45	46	40	38	42	36	45	38	42	35	50	54	49	54	49	49	43	54	44	49	44	
17 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	53	65	38	42	40	41	35	33	37	30	39	32	38	30	43	47	42	47	42	42	35	46	36	42	37	
4/171 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	-	70	70	70	70	-	41	44	42	43	37	35	39	34	43	36	42	33	48	52	47	52	47	47	38	49	39	47	42	
3 ARALUEN AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	52	65	42	46	44	45	39	37	41	35	44	37	42	34	48	52	47	52	47	47	47	42	53	43	47	42
37 POPLAR ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	53	65	36	40	38	39	33	31	35	27	36	29	37	28	39	43	38	43	38	38	33	44	34	38	33	
14 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	52	65	43	42	40	41	35	33	37	33	42	35	44	35	51	55	50	55	50	50	39	50	40	50	45	
UNIT 7 15 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	52	65	43	47	45	46	40	38	42	34	43	36	44	35	49	53	48	53	48	48	42	53	43	48	43	
31 LETHBRIDGE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	52	65	38	40	38	39	33	31	35	30	39	32	39	30	44	48	43	48	43	43	36	47	37	43	38	
16 BENALONG ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	52	65	36	40	38	39	33	31	35	28	37	30	35	28	42	46	41	46	41	41	35	46	36	41	36	
3/59 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	-	70	70	70	70	-	37	41	39	40	34	32	36	25	34	27	37	29	43	47	42	47	42	42	32	43	33	42	37	
24 WATTLE AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	53	65	39	43	41	42	36	34	38	28	37	30	37	31	45	49	44	49	44	44	35	46	36	44	39	

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAmix)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfi	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
7 BENALONG ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	32	36	34	35	29	27	31	20	29	22	32	24	37	41	36	41	36	36	27	38	28	36	31	
67 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	33	37	35	36	30	28	32	24	33	26	33	25	38	42	37	42	37	37	30	41	31	37	32	
126 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	41	39	40	34	32	36	28	37	30	40	31	46	50	45	50	45	45	34	45	35	45	40	
4/142-144 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	39	37	38	32	30	34	29	38	31	38	29	44	48	43	48	43	43	36	47	37	43	38	
157 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	27	29	27	28	22	20	24	13	22	15	28	19	33	37	32	37	32	32	21	32	22	32	27	
26 KENNY AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	32	36	34	35	29	27	31	22	31	24	32	24	38	42	37	42	37	37	30	41	31	37	32	
186 CANBERRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	35	37	35	36	30	28	32	27	36	29	36	27	40	44	39	44	39	39	32	43	33	39	34	
34 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	41	39	40	34	32	36	30	39	32	33	29	48	52	47	52	47	47	36	47	37	47	42	
ST MARYS NORTH PUBLIC SCHOOL 24-40 WILLOW RD, NORTH ST MARYS NSW 2760	Educational	Residential	NCA01	38	38	38	55	55	55	-	-	-	37	41	39	40	34	32	36	30	39	32	32	29	44	48	43	48	43	43	38	49	39	43	38	
136 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	32	36	34	35	29	27	31	21	30	23	33	24	38	42	37	42	37	37	27	38	28	37	32	
2/6-10 BLAIR AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	45	46	44	45	39	37	41	34	43	36	46	37	52	56	51	56	51	51	40	51	41	51	46	
7 COLLINS ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	38	42	40	41	35	33	37	27	36	29	39	30	46	50	45	50	45	45	34	45	35	45	40	
5 BENALONG ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	40	38	39	33	31	27	36	29	37	28	42	46	41	46	41	41	35	44	34	41	36		
12 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	35	36	34	35	29	27	31	26	35	28	36	27	38	42	37	42	37	37	33	44	34	37	32	
119 FORRESTER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	32	36	34	35	29	27	31	27	36	29	32	24	39	43	38	43	38	38	35	46	36	38	33	
86 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	47	43	41	42	36	34	38	34	43	36	48	39	53	57	52	52	44	55	45	52	47			
5 STAPLETON PDE, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	39	37	38	32	30	34	28	37	30	40	31	47	51	46	51	46	46	35	46	36	46	41	
12 WARREGO ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	31	35	33	34	28	26	30	26	35	28	31	23	39	43	38	43	38	38	34	45	35	38	33	
167 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	39	37	38	32	30	34	25	34	27	39	30	43	47	42	47	42	42	31	42	32	42	37	
4 WARREGO ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	31	35	33	34	28	26	30	24	33	26	30	23	37	41	36	41	36	32	43	33	36	31		
14 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	27	31	29	30	24	22	26	15	24	17	28	19	33	37	32	37	32	21	32	22	32	27		
59 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	34	38	36	37	31	29	33	24	33	26	33	26	39	43	38	43	38	38	30	41	31	38	33	
151 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	39	42	40	41	35	33	37	30	39	32	40	31	43	47	42	47	42	42	34	45	35	42	37	
44 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	31	40	33	37	32	46	50	45	50	45	45	38	49	39	45	40	
5 KALANG AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	47	45	46	40	38	42	35	44	37	41	35	49	53	48	53	48	48	42	53	43	48	43	
10 WILGA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	37	41	39	40	34	32	36	28	37	30	38	29	43	47	42	47	42	42	34	45	35	42	37	
45 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	41	43	41	42	36	34	38	29	38	31	42	33	46	50	45	50	45	45	35	46	36	45	40	
2/9 PLASSER CR, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	41	43	41	42	36	34	38	31	40	33	42	33	47	51	46	51	46	46	36	47	37	46	41	
20 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	35	39	37	38	32	30	34	30	39	32	33	27	40	44	39	44	39	39	37	48	38	39	34	
69 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	37	41	39	40	34	32	36	28	37	30	33	29	44	48	43	48	43	43	34	45	35	43	38	
67 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	41	39	40	34	32	36	26	35	28	33	29	44	48	43	48	43	43	34	45	35	43	38	
ST MARYS NORTH PUBLIC SCHOOL 24-40 WILLOW RD, NORTH ST MARYS NSW 2760	Educational	Residential	NCA01	38	38	38	55	55	55	-	-	-	37	41	39	40	34	32	36	28	37	30	32	29	44	48	43	48	43	43	36	47	37	43	38	
40-42 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	34	38	36	37	31	29	33	29	38	31	33	26	42	46	41	46	41	41	36	47	37	41	36	
15 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	42	46	44	45	39	37	41	32	41	34	42	34	48	52	47	52	47	47	38	49	39	47	42	
11 KUNGALA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	35	39	37	38	32	30	34	25	34	27	35	27	39	43	38	43	38	29	40	30	38	33		
4/15 KURRAJONG RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	37	36	34	35	29	27	31	27	36	29	38	29	42	46	41	46	41	41	33	44	34	41	36	
137 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	34	37	35	36	30	28	32	26	35	28	35	26	37	41	36	41	36	36	34	45	35	36	31	
28 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	35	36	34	35	29	27	31	23	32	25	36	27	43	47	42	47	42	42	31	42	32	42	37	
1 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	31	34	32	33	27	25	29	17	26	19	32	23	38	42	37	42	37	37	27	38	28	37	32	
18 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	36	34	35	29	27	31	26	35	28	38	29	45	49	44	49	44	44	33	44	34	44	39	
42 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	36	37	35	36	30	28	32	26	35	28	37	28	38	42	37	42	37	37	32	43	33	37	32	
241 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	41	42	40	41	35	33	37	33	42	35	42	33	47	51	46	51	46	46	39	50	40	46	41	
91 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	39	43	41	42	36	34	38	31	40	33	42	33	45	49	44	49	44	44	39	50	40	44	39	
59 CARINYA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	47	45	46	40	38	42	35	44	37	43	35	49	53	48	53	48	48	42	53	43	48	43	
15 KALANG AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42																												

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAmox)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfl	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
145 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	29	39	37	38	32	30	34	28	37	30	40	31	48	52	47	52	47	47	47	36	47	37	47	42
7 MAMRE RD, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	30	28	29	23	21	25	15	24	17	28	19	32	36	31	36	31	31	31	21	32	27	31	26
37 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	41	44	42	43	37	35	39	31	40	33	42	33	47	51	46	51	46	46	46	39	50	40	46	41
21 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	54	45	43	44	38	36	40	30	39	32	55	46	47	51	46	51	46	46	46	37	48	38	46	41
116-118 FORRESTER RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	36	40	38	39	33	31	35	31	40	33	35	28	40	44	39	44	39	39	39	37	48	38	39	34
9 WARATAH ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	41	39	40	34	32	36	27	36	29	34	29	43	47	42	47	42	42	34	45	35	42	37	
25-27 PLASSER CR, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	42	38	36	37	31	29	33	27	36	29	43	34	48	52	47	52	47	47	47	36	47	37	47	42
29 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	37	35	36	30	28	32	25	34	27	34	25	39	43	38	43	38	38	38	32	43	33	38	33
14 MAXIM PL, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	29	30	28	29	23	21	25	24	33	26	30	21	35	39	34	39	34	34	34	31	42	32	34	29
183 CANBERRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	30	34	32	33	27	25	29	20	29	22	31	22	35	39	34	39	34	34	34	27	38	28	34	29
138 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	33	36	34	35	29	27	31	22	31	24	34	25	40	44	39	44	39	39	39	29	40	30	39	34
6 PHILLIP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	44	42	43	37	35	39	28	37	30	38	32	49	53	48	53	48	48	41	52	42	48	43	
30A GIDLEY ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	45	43	44	38	36	40	34	43	36	43	34	46	50	45	50	45	45	40	51	41	45	40	
UNIT 16 18-20 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	42	40	41	35	33	37	30	39	32	44	35	49	53	48	53	48	48	37	48	38	48	43	
5 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	36	40	38	39	33	31	35	27	36	29	36	28	41	45	40	45	40	40	31	42	32	40	35	
4/55 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	40	38	39	33	31	35	32	41	34	40	31	47	51	46	51	46	46	39	50	40	46	41	
13 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	41	45	43	44	38	36	40	31	40	33	40	33	46	50	45	50	45	45	37	48	38	45	40	
75 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	41	45	43	44	38	36	40	32	41	34	42	33	47	51	46	51	46	46	46	39	50	40	46	41
36 KENNY AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	30	34	32	33	27	25	29	19	28	21	29	22	37	41	36	41	36	36	26	37	27	36	31	
16 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	44	48	46	47	41	39	43	34	43	36	44	36	50	54	49	54	49	49	40	51	41	49	44	
20 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	42	40	41	35	33	37	30	39	32	41	32	46	50	45	50	45	45	38	49	39	45	40	
47 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	34	36	34	35	29	27	31	24	33	26	35	26	38	42	37	42	37	37	29	40	30	37	32	
3/43 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	41	39	40	34	32	36	31	40	33	41	32	49	53	48	53	48	48	48	37	48	38	48	43
COMMUNITY WELFARE CENTRE 26 GIDLEY ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	45	48	46	47	41	39	43	36	45	38	46	37	50	54	49	54	49	49	41	52	42	49	44	
3 CHAPEL ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	40	40	38	39	33	31	35	29	38	31	41	32	47	51	46	51	46	46	46	36	47	37	46	41
3 ANZAC ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	29	33	31	32	26	24	28	22	31	24	29	21	35	39	34	39	34	34	30	41	31	34	29	
7 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	39	37	38	32	30	34	28	37	30	34	27	41	45	40	45	40	40	37	48	38	40	35	
20 BLAIR AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	45	47	45	46	40	38	42	37	46	39	46	37	50	54	49	54	49	49	43	54	44	49	44	
3 PARKLAWN PL, NORTH ST MARYS NSW 2760	Commercial	Commercial/Business	NCA01	38	38	38	70	70	70	70	-	-	40	44	42	43	37	35	39	33	42	35	36	32	46	50	45	50	45	45	40	51	41	45	40	
56 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	34	38	36	37	31	29	33	28	37	30	34	26	42	46	41	46	41	41	36	47	37	41	36	
151 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	30	32	30	31	25	23	27	16	25	18	31	22	35	39	34	39	34	34	23	34	24	34	29	
75-77 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	45	46	44	45	39	37	41	36	45	38	46	37	49	53	48	53	48	48	43	54	44	48	43	
45 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
7/10-14 ROSS PL, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	48	50	48	49	43	41	45	40	49	42	49	40	54	58	53	58	53	53	46	57	47	53	48	
ST MARYS PUBLIC SCHOOL 2-6 PRINCESS MARY ST, ST MARYS NSW 2760	Educational	Mixed Use	NCA02	37	37	36	55	55	55	55	-	-	33	36	34	35	29	27	31	24	33	26	34	25	39	43	38	43	38	38	30	41	31	38	33	
21 BLAIR AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	39	37	38	32	30	34	26	35	28	37	28	41	45	40	45	40	40	32	43	33	40	35	
31 KUNGALA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	32	36	34	35	29	27	31	22	31	24	31	24	38	42	37	42	37	37	29	40	30	37	32	
10/11 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	38	36	37	31	29	33	25	34	27	38	29	45	49	44	49	44	44	33	44	34	44	39	
21 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	70	67	65	66	60	58	62	52	61	54	71	62	73	77	72	77	72	72	61	72	62	72	67	
3-13 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	38	42	40	41	35	33	37	34	43	36	36	30	44	48	43	48	43	43	40	51	41	43	38	
56 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	31	31	29	30	24	22	26	18	27	20	32	23	33	37	32	37	32	32	25	36	26	32	27	
11 KALANG AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	41	39	40	34	32	36	31	40	33	36	29	44	48	43	48	43	43	39	50	40	43	38	
90 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	45	49	47	48	42	40	44	36	45	38	45	37	52	56	51	56	51	51	45	56	46	51	46	
69 HOBART ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	29	33	31	32	26	24	28	17	26	19	28	21	34	38	33	38	33	33	23	34	24	33	28	

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAmax)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfi	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
34 THOMPSON AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
57 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	-	53	65	42	46	44	45	39	37	41	30	39	32	40	34	48	52	47	52	47	47	36	47	37	47	42	
32 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	-	53	65	42	46	44	45	39	37	41	34	43	36	38	34	50	54	49	54	49	49	41	52	42	49	44	
4 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	-	53	65	36	40	38	39	33	31	35	30	39	32	34	28	42	46	41	46	41	41	38	49	39	41	36	
63 CARINYA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	-	52	65	48	52	50	51	45	43	47	42	51	44	46	40	54	58	53	58	53	53	48	59	49	53	48	
2/155 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	-	52	65	32	36	34	35	29	27	31	22	31	24	33	24	37	41	36	41	36	36	36	30	41	31	36	31
36 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	32	36	34	35	29	27	31	25	34	27	31	24	40	44	39	44	39	39	39	34	45	35	39	34
47 BIRCH ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	34	35	33	34	28	26	30	22	31	24	35	26	39	43	38	43	38	38	38	28	39	29	38	33
ST MARYS SENIOR HIGH SCHOOL 6-50 KALANG AV, ST MAR	Educational	Residential	NCA02	37	37	36	55	55	55	-	-	-	43	47	45	46	40	38	42	35	44	37	41	35	50	54	49	54	49	49	43	54	44	49	44	
67 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	-	-	-	43	47	45	46	40	38	42	34	43	36	41	35	49	53	48	53	48	48	40	51	41	48	43	
137 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	-	53	65	31	34	32	33	27	25	29	24	33	26	32	23	38	42	37	42	37	37	32	43	33	37	32	
90-96 FORRESTER RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	-	-	-	39	43	41	42	36	34	38	35	44	37	39	31	44	48	43	48	43	43	41	52	42	43	38	
19 PHILLIP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	41	44	42	43	37	35	39	30	39	32	42	33	47	51	46	51	46	46	46	36	47	37	46	41
75-77 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	-	-	-	41	45	43	44	38	36	40	37	46	39	41	33	47	51	46	51	46	46	46	57	47	46	41	
32 BIRCH ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	31	35	33	34	28	26	30	21	30	23	32	23	36	40	35	40	35	35	26	37	27	35	30	
25 KUNGALA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	-	52	65	35	39	37	38	32	30	34	26	35	28	35	27	41	45	40	45	40	40	33	44	34	40	35	
3 PARKLAWN PL, NORTH ST MARYS NSW 2760	Commercial	Commercial/Business	NCA01	38	38	38	70	70	70	-	-	-	26	30	28	29	23	21	25	15	24	17	26	18	31	35	30	35	30	30	22	33	23	30	25	
UNIT 3 2-6 MAMRE RD, NORTH ST MARYS NSW 2760	Public Building	Residential	NCA02	37	37	36	60	60	60	-	-	-	38	42	40	41	35	33	41	37	31	40	33	39	30	43	47	42	42	42	37	48	38	42	37	
47 KALANG AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	38	40	38	39	33	31	35	31	40	33	39	30	44	48	43	48	43	43	40	51	41	43	38	
12 KING ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	31	34	32	33	27	25	29	21	30	23	32	23	37	41	36	41	36	36	36	27	38	28	36	31
30 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	-	53	65	41	45	43	44	38	36	40	33	42	35	39	33	48	52	47	52	47	47	41	52	42	47	42	
2/188 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	-	-	-	39	42	40	41	35	33	47	31	40	33	40	31	43	47	42	47	42	47	47	48	38	42	37	
24 WARREGO ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	33	37	35	36	30	28	32	28	37	30	33	25	41	45	40	45	40	40	34	45	35	40	35	
54 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	-	52	65	30	34	32	33	27	25	29	19	28	21	31	22	35	39	34	39	34	34	25	36	26	34	29	
17 PHILLIP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	-	52	65	51	55	53	54	48	46	50	41	50	43	52	43	57	61	56	61	56	56	47	58	48	56	51	
16 DEBRINCAT AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	-	53	65	32	36	34	35	29	27	31	23	32	25	31	24	37	41	36	41	36	36	36	28	39	29	36	31
14 KURAJONG RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	-	53	65	41	41	39	40	34	32	36	28	37	30	42	33	46	50	45	50	45	45	34	45	35	45	40	
22 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	-	52	65	39	42	40	41	35	33	37	31	40	33	40	31	43	47	42	47	42	42	37	48	38	42	37	
25 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	-	53	65	37	41	39	40	34	32	36	28	37	30	38	29	43	47	42	47	42	42	34	45	35	42	37	
8 PARKLAWN PL, NORTH ST MARYS NSW 2760	Commercial	Commercial/Business	NCA01	38	38	38	70	70	70	-	-	-	42	46	44	45	39	37	41	32	41	34	41	34	47	51	46	51	46	46	46	37	48	38	46	41
36 THOMPSON AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	34	38	36	37	31	29	33	24	33	26	34	26	39	43	38	43	38	38	30	41	31	38	33	
3/156 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	-	52	65	38	38	36	37	31	29	33	26	35	28	39	30	45	49	44	49	44	44	33	44	34	44	39	
29 CARINYA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	-	52	65	37	41	39	40	34	32	36	28	37	30	37	29	43	47	42	47	42	42	35	46	36	42	37	
90 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	-	-	-	47	51	49	50	44	42	46	36	45	38	38	39	52	56	51	56	51	51	45	56	46	51	46	
324 GREAT WESTERN HWY, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	-	52	65	39	42	40	41	35	33	37	28	37	30	40	31	45	49	44	49	44	44	34	45	35	44	39	
11 ARALUEN AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	40	38	39	33	31	35	28	37	30	34	28	42	46	41	46	41	41	34	45	35	41	36	
21 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	-	-	-	61	62	60	61	55	53	57	48	57	50	62	53	64	68	63	68	63	63	56	67	57	63	58	
22 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	-	52	65	42	43	41	42	36	34	38	31	40	33	43	34	48	52	47	52	47	47	37	48	38	47	42	
56 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	-	52	65	35	39	37	38	32	30	34	25	34	27	36	27	40	44	39	44	39	39	31	42	32	39	34	
UNIT 2 38 GIDLEY ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	-	52	65	38	42	40	41	35	33	37	30	39	32	39	30	43	47	42	47	42	42	42	35	46	36	42	37
22-24 PLASSER CR, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	-	-	-	44	48	46	47	41	39	43	34	43	36	43	36	49	53	48	53	48	48	39	50	40	48	43	
14 NARIEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	-	52	65	41	45	43	44	38	36	40	36	45	38	42	33	50	54	49	54	49	49	43	54	44	49	44	
11 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
159 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	-	52	65	40	40	38	39	33	31	35	30	39	32	41	32	46	50	45	50	45	45	36	47	37	45	40	
30 KENNY AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47																													

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAmax)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfl	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
40 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	41	45	43	44	38	36	40	30	39	32	36	33	48	52	47	52	47	47	47	39	50	40	47	42
16 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	44	42	43	37	35	40	31	40	33	42	33	50	54	49	54	49	49	38	49	39	49	44	
1/146 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	39	37	38	32	30	34	27	36	29	39	30	40	44	39	44	39	39	39	35	46	36	39	34
10 BROCK AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	39	42	40	41	35	33	37	31	40	33	40	31	42	46	41	46	41	41	36	47	37	41	36	
6 WARREGO ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	29	33	31	32	26	24	28	24	33	26	29	21	35	39	34	39	34	34	34	41	42	32	34	29
190 CANBERRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	35	37	35	36	30	28	32	25	34	27	36	27	41	45	40	45	40	40	30	41	31	40	35	
3 KALANG AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	41	39	40	34	32	36	30	39	32	36	29	43	47	42	47	42	42	38	49	39	42	37	
457 GREAT WESTERN HWY, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	38	41	39	40	34	32	36	29	38	31	39	30	45	49	44	49	44	44	35	46	36	44	39	
7 PHILLIP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	49	53	51	52	46	44	48	37	46	39	50	41	54	58	53	58	53	53	43	54	44	53	48	
26 KING ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	35	36	34	35	29	27	31	27	36	29	36	27	40	44	39	44	39	39	39	40	41	31	39	34
28 WARREGO ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	29	33	31	32	26	24	28	23	32	25	29	21	36	40	35	40	35	35	30	41	31	35	30	
19 BENALONG ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	42	40	41	35	33	37	32	41	34	36	30	44	48	43	48	43	43	38	49	39	43	38	
147 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	28	32	30	31	25	23	27	23	32	25	27	20	34	38	33	38	33	33	30	41	31	33	28	
12 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	35	44	37	37	32	47	51	46	51	46	46	42	53	43	46	41	
29 CEDAR CR, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	35	37	35	36	30	28	32	24	33	26	36	27	40	44	39	44	39	39	31	42	32	39	34	
29 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	41	39	40	34	32	36	31	40	33	38	29	44	48	43	48	43	43	37	48	38	43	38	
59 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	48	48	46	47	41	39	43	40	49	42	49	40	58	62	57	62	57	57	46	57	47	57	52	
29 KUNGALA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	33	37	35	36	30	28	32	23	32	25	32	25	38	42	37	42	37	37	30	41	31	37	32	
1 ROSS PL, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	41	39	40	34	32	36	29	38	31	38	29	42	46	41	46	41	41	33	44	34	41	36	
1 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
1 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	38	42	40	41	35	33	37	28	37	30	34	30	46	50	45	50	45	45	35	46	36	45	40	
179 CANBERRA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	29	32	30	31	25	23	27	18	27	20	30	21	33	37	32	37	32	32	24	35	25	32	27	
	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	44	42	43	37	35	39	28	37	30	35	32	42	46	41	46	41	41	35	46	36	41	36	
ST MARYS SENIOR HIGH SCHOOL 6-50 KALANG AV, ST MARYS NSW 2760	Educational	Residential	NCA02	37	37	36	55	55	55	55	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
137 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	39	37	38	32	30	34	28	37	30	34	27	44	48	43	48	43	43	35	46	36	43	38	
151-153 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	42	40	41	35	33	37	31	40	33	42	33	49	53	48	53	48	48	37	48	38	48	43	
5 BENALONG ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	33	37	35	36	30	28	32	22	31	24	33	25	39	43	38	43	38	38	38	29	40	30	38	33
13 WARREGO ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	31	35	33	34	28	26	30	26	35	28	30	23	40	44	39	44	39	39	34	45	35	39	34	
54 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	31	40	33	38	32	45	49	44	49	44	44	44	38	49	39	44	39
23 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	44	42	43	37	35	39	31	40	33	43	34	48	52	47	52	47	47	38	49	39	47	42	
UNIT 9 160-162 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	31	32	30	31	25	23	27	18	27	20	32	23	38	42	37	42	37	37	26	37	27	37	32	
4/159 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	33	37	35	36	30	28	32	23	32	25	33	25	38	42	37	42	37	37	29	40	30	37	32	
30 KENNY AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	31	35	33	34	28	26	30	21	30	23	31	23	37	41	36	41	36	36	29	40	30	36	31	
18 GIDLEY ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	45	49	47	48	42	40	44	39	48	41	46	37	50	54	49	54	49	49	43	54	44	49	44	
126 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	47	49	47	48	42	40	44	38	47	40	48	39	53	57	52	57	52	52	44	55	45	52	47	
40 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	36	40	38	39	33	31	35	30	39	32	37	28	44	48	43	48	43	43	37	48	38	43	38	
52 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	43	47	45	46	40	38	42	31	40	33	41	35	49	53	48	53	48	48	38	49	39	48	43	
237 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	34	36	34	35	29	27	31	27	36	29	35	26	40	44	39	44	39	39	33	44	34	39	34	
35 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	43	41	42	36	34	38	29	38	31	41	32	46	50	45	50	45	45	36	47	37	45	40	
39 KALANG AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	38	42	40	41	35	33	37	33	42	35	37	30	45	49	44	49	44	44	41	52	42	44	39	
1/38 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	46	48	46	47	41	39	43	35	44	37	47	38	52	56	51	56	51	51	40	51	41	51	46	
43 LITTLE CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	39	37	38	32	30	34	25	34	27	38	29	41	45	40	45	40	40	30	41	31	40	35	
16 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	40	38	39	33	31	35	29	38	31	41	32	48	52	47	52	47	47	36	47	37	47	42	
UNIT 1 139A BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	34	38	36	37	31	29	33	25	34	27	34	26	40	44	39	44	39	39	31	42	32	39		

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAMax)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfI	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
118 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	43	45	43	44	38	36	40	34	43	36	44	35	49	53	48	53	48	48	40	51	41	48	43	
15 PARKLAWN PL, NORTH ST MARYS NSW 2760	Commercial	Commercial/Business	NCA01	38	38	38	70	70	70	70	-	-	42	46	44	45	39	37	41	34	43	36	39	34	47	51	46	51	46	46	41	52	42	46	41	
27 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	39	37	38	32	30	34	29	38	31	36	27	41	45	40	45	40	40	35	46	36	40	35	
6 DEBRINCAT AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	30	39	32	38	32	44	48	43	48	43	43	35	46	36	43	38	
UNIT 6 13 KURRAJONG RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	38	37	35	36	30	28	32	29	38	31	39	30	44	48	43	48	43	43	35	46	36	43	38	
3/7 KURRAJONG RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	37	37	35	36	30	28	32	24	33	26	38	29	42	46	41	46	41	41	33	44	34	41	36	
88 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	51	47	45	46	40	38	42	37	46	39	52	43	57	61	56	61	56	56	45	56	46	56	51	
15 WARATAH ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	35	39	37	38	32	30	34	27	36	29	35	27	41	45	40	45	40	40	34	45	35	40	35	
6 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	29	33	31	32	26	24	28	22	31	24	29	21	36	40	35	40	35	35	29	40	30	35	30	
16 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	41	39	40	34	32	36	27	36	29	36	29	42	46	41	46	41	41	33	44	34	41	36	
53 CARINYA AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	39	43	41	42	36	34	38	30	39	32	37	31	47	51	46	51	46	46	46	39	50	40	46	41
RIPPLES 1 CHARLES HACKETT DR, ST MARYS NSW 2760	Active Recreation	Recreational/Open Space	NCA02	37	37	36	65	65	65	65	-	-	42	46	44	45	39	37	41	34	43	36	40	34	48	52	47	52	47	47	40	51	41	47	42	
11 STAPLETON PDE, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	38	36	37	31	29	33	28	37	30	38	29	42	46	41	46	41	41	35	46	36	41	36	
8 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	38	42	40	41	35	33	37	31	40	33	35	30	46	50	45	50	45	45	37	48	38	45	40	
1/38 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	43	41	42	36	34	38	34	43	36	41	32	40	44	39	44	39	39	39	50	40	39	34	
35 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	39	42	40	41	35	33	37	31	40	33	40	31	48	52	47	52	47	47	37	48	38	47	42	
57 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	65	65	65	65	-	-	31	35	33	34	28	26	30	22	31	24	30	23	36	40	35	40	35	35	28	39	29	35	30	
Residential	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	34	34	32	33	27	25	29	21	30	23	35	26	42	46	41	46	41	41	30	41	31	41	36	
43 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	29	33	31	32	26	24	28	22	31	24	28	21	35	39	34	39	34	34	34	30	41	31	34	29
13 BENALONG ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	41	39	40	34	32	36	30	39	32	37	29	43	47	42	47	42	42	37	48	38	42	37	
191 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	41	42	40	41	35	33	37	33	42	35	42	33	47	51	46	51	46	46	38	49	39	46	41	
70 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	39	43	41	42	36	34	38	30	39	32	35	31	48	52	47	52	47	47	37	48	38	47	42	
3/74 HOBART ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	46	44	45	39	37	41	32	41	34	40	34	48	52	47	52	47	47	38	49	39	47	42	
83-91 LEE HOLM RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	26	29	27	28	22	20	24	18	27	20	27	18	32	36	31	36	31	31	24	35	25	31	26	
31 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	41	39	40	34	32	36	28	37	30	38	29	44	48	43	48	43	43	34	45	35	43	38	
97 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	54	49	47	48	42	40	44	38	47	40	55	46	59	63	58	63	58	58	47	58	48	58	53	
16 BLAIR AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	48	49	47	48	42	40	44	39	48	41	49	40	54	58	53	58	53	53	45	56	46	53	48	
70 GLOSSOP ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	37	41	39	40	34	32	36	30	39	32	36	29	42	46	41	46	41	41	36	47	37	41	36	
58 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	31	40	33	38	32	45	49	44	49	44	44	38	49	39	44	39	
64 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	46	50	48	49	43	41	45	38	47	40	46	38	49	53	48	53	48	48	42	53	43	48	43	
44 BIRCH ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	38	38	36	37	31	29	33	27	36	29	39	30	41	45	40	45	40	40	33	44	34	40	35	
56 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	40	38	39	33	31	35	27	36	29	37	28	40	44	39	44	39	39	33	44	34	39	34	
26 PHILLIP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	49	49	47	48	42	40	44	39	48	41	50	41	57	61	56	61	56	56	46	57	47	56	51	
18 WATTLE AV, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	29	33	31	32	26	24	28	23	32	25	29	21	35	39	34	39	34	34	27	38	28	34	29	
161 GLOSSOP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	28	30	28	29	23	21	25	15	24	17	29	20	34	38	33	38	33	33	33	22	33	23	33	28
19 BIRCH ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	29	33	31	32	26	24	28	19	28	21	30	21	34	38	33	38	33	33	26	37	27	33	28	
UNIT 4 151-153 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	43	41	42	36	34	38	31	40	33	43	34	49	53	48	53	48	48	38	49	39	48	43	
73 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	42	45	43	44	38	36	40	33	42	35	43	34	47	51	46	51	46	46	40	51	41	46	41	
15 WATTLE AV, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	32	36	34	35	29	27	31	27	36	29	30	24	38	42	37	42	37	37	35	46	36	37	32	
38 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	41	43	41	42	36	34	38	30	39	32	42	33	45	49	44	49	44	44	36	47	37	44	39	
2 COLLINS ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	40	38	39	33	31	35	26	35	28	38	29	43	47	42	47	42	33	44	34	42	37		
141 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	24	27	25	26	20	18	22	11	20	13	25	16	29	33	28	33	28	28	17	28	18	28	23	
71 CARINYA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	45	43	44	38	36	40	37	46	39	38	33	49	53	48	53	48	48	45	56	46	48	43	
73 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	41	45	43	44	38	36	40	34	43	36	42	33	47	51	46	51	46	46	41	52	42	46	41	
187 CANBERRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37																															

Receiver Details			NCA	Background Noise Level			Noise management Levels					Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAmay)													
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfI	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	
27 KUNGALA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	33	37	35	36	30	28	32	23	32	25	39	43	38	43	38	38	30	41	31	38	33				
42 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	31	40	33	35	32	48	52	47	47	47	38	49	39	47	42			
179 ADELAIDE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	34	35	33	34	28	26	30	25	34	27	35	26	41	45	40	45	40	40	40	31	42	32	40	35	
59 CARINYA AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	40	44	42	43	37	35	39	33	42	35	39	32	49	53	48	53	48	48	48	42	53	43	48	43	
66 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	42	46	44	45	39	37	41	35	44	37	43	34	46	50	45	50	45	45	45	38	49	39	45	40	
42 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	42	40	41	35	33	37	30	39	32	41	32	47	51	46	51	46	46	46	46	36	47	37	46	41
76 HOBART ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	40	44	42	43	37	35	39	29	38	31	39	32	46	50	45	50	45	45	45	36	47	37	45	40	
54 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	41	39	40	34	32	36	29	38	31	33	29	43	47	42	47	42	42	42	35	46	36	42	37	
74 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	39	37	38	32	30	34	26	35	28	30	27	45	49	44	49	44	44	44	34	45	35	44	39	
2/51 KENNY AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	47	45	46	40	38	42	33	42	35	41	35	49	53	48	53	48	48	48	40	51	41	48	43	
41 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	22	26	24	25	19	17	21	11	20	13	23	14	27	31	26	31	26	26	26	18	29	19	26	21	
188 CANBERRA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	32	35	33	34	28	26	30	22	31	24	33	24	37	41	36	41	36	36	36	27	38	28	36	31	
22 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	32	36	34	35	29	27	31	24	33	26	33	24	38	42	37	42	37	37	30	41	31	37	32		
46 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	42	46	44	45	39	37	41	33	42	35	37	34	50	54	49	54	49	49	49	41	52	42	49	44	
3/65 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	43	45	43	44	38	36	40	36	45	38	44	35	49	53	48	53	48	48	48	40	51	41	48	43	
43 KALANG AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	40	44	42	43	37	35	39	35	44	37	41	32	48	52	47	52	47	47	42	53	43	47	42		
12 TELFORD PL, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	40	44	42	43	37	35	39	37	46	39	40	32	47	51	46	51	46	46	44	55	45	46	41	41	
312 GREAT WESTERN HWY, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	44	42	43	37	35	39	30	39	32	42	33	46	50	45	50	45	45	35	46	36	45	40		
30-32 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	61	65	63	64	58	56	60	51	60	53	59	53	68	72	67	72	67	67	59	70	60	67	62		
66 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	31	35	33	34	28	26	30	26	35	28	32	23	39	43	38	43	38	38	33	44	34	38	33		
13 ARALUEN AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	47	45	46	40	38	42	36	45	38	40	35	47	51	46	51	46	46	42	53	43	46	41		
10 BROCK AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	39	37	38	32	30	34	27	36	29	38	29	42	46	41	46	41	41	33	44	34	41	36		
5/3 KURRAJONG RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	34	37	35	36	30	28	32	23	32	25	35	26	39	43	38	43	38	38	38	29	40	30	38	33	
ST MARYS SENIOR HIGH SCHOOL 6-50 KALANG AV, ST MAR	Educational	Residential	NCA02	37	37	36	55	55	55	55	-	-	41	45	43	44	38	36	40	35	44	37	36	33	49	53	48	53	48	48	48	42	53	43	48	43	
61 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	34	35	33	34	28	26	30	24	33	26	35	26	41	45	40	45	40	40	31	42	32	40	35		
ST MARYS SENIOR HIGH SCHOOL 6-50 KALANG AV, ST MAR	Educational	Residential	NCA02	37	37	36	55	55	55	55	-	-	38	42	40	41	35	33	37	34	43	36	35	30	45	49	44	49	44	44	40	51	41	44	39		
3 WATTLE AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	37	35	36	30	28	32	27	36	29	32	25	38	42	37	42	37	37	32	43	33	37	32		
33 CEDAR CR, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	41	45	43	44	38	36	40	30	39	32	42	33	48	52	47	52	47	47	47	36	47	37	47	42	
37 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	33	37	35	36	30	28	32	22	31	24	33	25	39	43	38	43	38	38	29	40	30	38	33		
47 KENNY AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	41	45	43	44	38	36	40	29	38	31	38	33	45	49	44	49	44	44	35	46	36	44	39		
634/159 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	46	50	48	49	43	41	45	35	44	37	47	38	51	55	50	55	50	50	41	52	42	50	45		
43 KENNY AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	47	45	46	40	38	42	34	43	36	40	35	48	52	47	52	47	47	40	51	41	47	42		
8 KURRAJONG RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	38	37	35	36	30	28	32	25	34	27	39	30	41	45	40	45	40	40	30	41	31	40	35		
56 GLOSSOP ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	34	38	36	37	31	29	33	24	33	26	33	26	40	44	39	44	39	39	31	42	32	39	34		
141 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	23	26	24	25	19	17	21	10	19	12	24	15	29	33	28	33	28	28	17	28	18	28	23		
35 THOMPSON AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	30	34	32	33	27	25	29	19	28	21	31	22	36	40	35	40	35	26	37	27	35	30			
15 KUNGALA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	41	39	40	34	32	36	30	39	32	37	29	42	46	41	46	41	41	34	45	35	41	36		
36 BIRCH ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	40	41	39	40	34	32	36	26	35	28	41	32	45	49	44	49	44	44	34	45	35	44	39		
57 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16		
73 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	42	46	44	46	47	41	39	43	37	46	39	47	38	51	55	50	55	50	50	43	54	44	50	45	
42 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	48	46	47	41	39	43	37	46	39	47	38	51	55	50	55	50	50	40	45	44	50	45		
4 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	45	43	44	38	36	40	32	41	34	45	36	51	55	50	55	50	50	50	39	50	40	50	45	
9 BROCK AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	42	40	41	35	33	37	29	38	31	40	31	41	45	40	45	40	40	35	46	36	40	35		
22 WARREGO ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	31	35	33	34	28	26	30	25	34	27	32	23	38	42	37	42	37	37	32	43					

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAmax)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfl	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
SOUTH CREEK PARK 2 THE KINGSWAY, ST MARYS NSW 2760	Active Recreation	Recreational/Open Space	NCA02	37	37	36	65	65	65	65	65	-	34	37	35	36	30	28	32	27	36	29	35	26	42	46	41	46	41	41	34	45	35	41	36	
20 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	45	43	44	38	38	44	33	42	35	43	34	48	52	47	52	47	47	40	51	41	47	42	
83 HOBART ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	41	45	43	44	38	36	40	29	38	31	37	33	45	49	44	49	44	44	39	50	40	44	39	
124 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	43	41	42	36	34	38	30	39	32	42	33	46	50	45	50	45	45	37	48	38	45	40	
1 CHESHAM ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	53	54	52	53	47	45	49	41	50	43	54	45	60	64	59	64	59	59	48	59	49	59	54	
123 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	28	32	30	31	25	23	27	21	30	23	29	20	35	39	34	39	34	34	28	39	29	34	29	
8/13 AUSTRALIA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	32	36	34	35	29	27	31	20	29	22	32	24	37	41	36	41	36	36	36	26	37	27	36	31
186 CANBERRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	39	37	38	32	30	34	29	38	31	39	30	44	48	43	48	43	43	43	36	47	37	43	38
25 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	46	49	47	48	42	40	44	37	46	39	47	38	51	55	50	55	50	50	43	54	44	50	45	40
46 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	39	43	41	42	36	34	38	31	40	33	36	31	46	50	45	50	45	45	45	38	49	39	45	40
58 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	30	34	32	33	27	25	29	18	27	20	31	22	35	39	34	39	34	34	34	24	35	25	34	29
65 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	39	37	38	32	30	34	27	36	29	34	27	41	45	40	45	40	40	33	44	34	40	35	
28 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	36	40	38	39	33	31	35	31	40	33	37	28	43	47	42	47	42	42	38	49	39	42	37	
11 LETHBRIDGE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	50	50	48	49	43	41	45	41	50	43	51	42	58	62	57	62	57	57	47	58	48	57	52	
30 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	33	37	35	36	30	28	32	29	38	31	33	25	40	44	39	44	39	39	37	48	38	39	34	
STATION STREET PLAZA 33-43 PHILLIP ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	67	71	69	70	64	62	66	56	65	58	64	59	75	79	74	79	74	74	74	65	76	66	74	69
94 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	48	52	50	51	45	43	47	40	49	42	46	40	54	58	53	58	53	53	46	57	47	53	48	
185 CANBERRA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	28	32	30	31	25	23	27	17	26	19	29	20	33	37	32	37	32	32	23	34	24	32	27	
44 KING ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	32	36	34	35	29	27	31	23	32	25	33	24	37	41	36	41	36	36	36	29	40	30	36	31
9 BENALONG ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	35	39	37	38	32	30	34	25	34	27	35	27	39	43	38	43	38	38	31	42	32	38	33	
56-58 POWER ST, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	36	38	36	37	31	29	33	31	40	33	37	28	41	45	40	45	40	40	37	48	38	40	35	
3/32 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	44	42	43	37	35	39	34	43	36	44	35	50	54	49	54	49	49	40	51	41	49	44	
371 GREAT WESTERN HWY, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	34	37	35	36	30	28	32	28	37	30	35	26	41	45	40	45	40	40	35	46	36	40	35	
145 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	30	34	32	33	27	25	29	19	28	21	31	22	34	38	33	38	33	33	26	37	27	33	28	
42-44 PLASSER CR, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	45	49	47	48	42	40	44	36	45	38	44	37	51	55	50	55	50	42	53	43	50	45		
3 CAMIRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	45	45	43	44	38	36	40	35	44	37	46	37	49	53	48	53	48	48	44	55	45	48	43	
ST MARYS SENIOR HIGH SCHOOL 6-50 KALANG AV, ST MARYS NSW 2760	Educational	Residential	NCA02	37	37	36	55	55	55	55	-	-	39	43	41	42	36	34	38	31	40	33	37	31	46	50	45	50	45	45	38	49	39	45	40	
60 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	29	33	31	32	26	24	28	17	26	19	30	21	34	38	33	38	33	33	23	34	24	33	28	
4/3-5 STAPLETON PDE, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	40	38	39	33	31	35	28	37	30	40	31	46	50	45	50	45	45	34	45	35	45	40	
91 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	34	38	36	37	31	29	33	28	37	30	35	26	40	44	39	44	39	39	33	44	34	39	34	
41 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	41	39	40	34	32	36	29	38	31	35	29	44	48	43	48	43	43	37	48	38	43	38	
UNIT 1 9 CHESHAM ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	51	55	53	54	48	46	50	39	48	41	50	43	56	60	55	60	55	55	46	57	47	55	50	
28 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	36	39	37	38	32	30	34	26	35	28	37	28	43	47	42	47	42	42	35	46	36	42	37	
23 BENALONG ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	34	38	36	37	31	29	33	24	33	26	33	26	39	43	38	43	38	38	30	41	31	38	33	
83-91 LEE HOLM RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	37	39	37	38	32	30	34	30	39	32	38	29	43	47	42	47	42	42	36	47	37	42	37	
35 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	27	31	29	30	24	22	26	19	28	21	27	19	33	37	32	37	32	32	26	37	27	32	27	
166 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	39	37	38	32	30	34	29	38	31	40	31	45	49	44	49	44	44	35	46	36	44	39	
1 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	31	35	33	34	28	26	30	25	34	27	31	23	37	41	36	41	36	36	32	43	33	36	31	
11 BLAIR AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	45	47	45	46	40	38	42	37	46	39	46	37	50	54	49	54	49	49	43	54	44	49	44	
6 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	45	49	47	48	42	40	44	35	44	37	43	37	52	56	51	56	51	51	43	54	44	51	46	
23 KALANG AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	42	40	41	35	33	37	32	41	34	34	30	46	50	45	50	45	45	39	50	40	45	40	
62 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	31	35	33	34	28	26	30	26	35	28	31	23	39	43	38	43	38	38	33	44	34	38	33	
120 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	42	40	41	35	33	37	30	39	32	40	31	46	50	45	50	45	45	37	48	38	45	40	
6/34 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	41	39	40	34	32	36	29	38	31	38	29	44	48	43	4								

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (L _{Aeq})												Predicted Noise Levels - Construction Scenarios (L _{Amax})											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfl	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
56 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	28	30	28	29	23	21	25	16	25	18	29	20	36	40	35	40	35	35	35	24	35	25	35	30
3/19-21 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	38	36	37	31	29	33	26	35	28	38	29	42	46	41	46	41	41	32	43	33	41	36	
59 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	29	31	29	30	24	22	26	17	26	19	30	21	36	40	35	40	35	35	24	35	25	35	30	
63 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	29	33	31	32	26	24	28	20	29	22	29	21	36	40	35	40	35	35	27	38	28	35	30	
25 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	41	45	43	44	38	36	40	30	39	32	42	33	47	51	46	51	46	46	46	36	47	37	46	41
83-91 LEE HOLM RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	35	38	36	37	31	29	33	28	37	30	36	27	41	45	40	45	40	40	35	46	36	40	35	
3/155 BRISBANE ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	34	37	35	36	30	28	32	22	31	24	35	26	38	42	37	42	37	37	29	40	30	37	32	
9 CEDAR CR, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
5 CHESHAM ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	54	58	56	57	51	49	53	43	52	45	53	46	60	64	59	64	59	59	50	61	51	59	54	
40 FORRESTER RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	42	45	43	44	38	36	40	35	44	37	43	34	52	56	51	56	51	51	41	52	42	51	46	
2/144 FORRESTER RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	35	39	37	38	32	30	34	30	39	32	35	27	39	43	38	43	38	38	37	48	38	38	33	
15 LETHBRIDGE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	43	41	42	36	34	38	31	40	33	43	34	49	53	48	53	48	48	37	48	38	48	43	
5 BENALONG ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	45	43	44	38	36	40	32	41	34	40	33	47	51	46	51	46	46	38	49	39	46	41	
75-77 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	43	47	45	46	40	38	42	39	48	41	43	35	50	54	49	54	49	49	44	55	45	49	44	
91 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	41	45	43	44	38	36	40	33	42	35	41	33	46	50	45	50	45	45	39	50	40	45	40	
10 BENALONG ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	39	43	41	42	36	34	38	30	39	32	38	31	44	48	43	48	43	43	37	48	38	43	38	
2 STAPLETON PDE, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	30	33	31	32	26	24	28	19	28	21	31	22	36	40	35	40	35	35	25	36	26	35	30	
69 CARINYA AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	40	44	42	43	37	35	39	31	40	33	39	32	46	50	45	50	45	45	37	48	38	45	40	
315 GREAT WESTERN HWY, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	47	45	46	40	38	42	33	42	35	44	35	49	53	48	53	48	48	39	50	40	48	43	
25 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	39	34	32	33	27	25	29	18	27	20	40	31	47	51	46	51	46	46	46	35	46	36	46	41
154 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	39	37	38	32	30	34	30	39	32	41	32	48	52	47	52	47	47	36	47	37	47	42	
21 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	38	42	40	41	35	33	37	28	37	30	39	30	43	47	42	47	42	42	36	47	37	42	37	
18 CHAPEL ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	38	36	37	31	29	33	27	36	29	38	29	44	48	43	48	43	43	35	46	36	43	38	
3/4 COLLINS ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	29	32	30	31	25	23	27	20	29	22	30	21	34	38	33	38	33	33	26	37	27	33	28	
190 ADELAIDE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	32	33	31	32	26	24	28	20	29	22	33	24	39	43	38	43	38	38	27	38	28	38	33	
52 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	39	37	38	32	30	34	28	37	30	33	27	43	47	42	47	42	42	36	47	37	42	37	
18 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	39	43	41	42	36	34	38	35	44	37	39	31	47	51	46	51	46	46	46	43	54	44	46	41
1/1 BROCK AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	45	43	44	38	36	40	33	42	35	45	36	50	54	49	54	49	49	49	39	50	40	49	44
3/38 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	42	40	41	35	33	37	31	40	33	42	33	48	52	47	52	47	47	39	50	40	47	42	
23 KALANG AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	44	42	43	37	35	39	34	43	36	37	32	45	49	44	49	44	44	41	52	42	44	39	
6 DEBRINCAT AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	30	39	32	38	32	47	51	46	51	46	46	46	39	50	40	46	41
449 GREAT WESTERN HWY, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	27	31	29	30	24	22	26	17	26	19	28	19	33	37	32	37	32	32	24	35	25	32	27	
53 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	39	43	41	42	36	34	38	32	41	34	37	31	46	50	45	50	45	45	39	50	40	45	40	
163 GLOSSOP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	33	33	31	32	26	24	28	20	29	22	34	25	39	43	38	43	38	38	27	38	28	38	33	
6 PHILLIP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	41	39	40	34	32	36	26	35	28	38	29	44	48	43	48	43	43	34	45	35	43	38	
13 BENALONG ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	41	39	40	34	32	36	30	39	32	37	29	43	47	42	47	42	42	37	48	38	42	37	
2 ACACIA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	43	41	42	36	34	38	31	40	33	38	31	44	48	43	48	43	43	36	47	37	43	38	
190 ADELAIDE ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	33	31	32	26	24	28	21	30	23	37	28	45	49	44	49	44	44	33	44	34	44	39	
54 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	30	34	32	33	27	25	29	24	33	26	29	22	36	40	35	40	35	35	30	41	31	35	30	
8/65 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	41	44	42	43	37	35	39	36	45	38	42	33	49	53	48	53	48	48	47	58	48	48	43	
54 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	37	35	36	30	28	32	28	37	30	33	25	41	45	40	45	40	36	47	37	40	35		
61 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	32	36	34	35	29	27	31	22	31	24	32	24	37	41	36	41	36	36	28	39	29	36	31	
66 HOBART ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	46	44	45	39	37	41	33	42	35	40	34	48	52	47	52	47	47	39	50	40	47	42	
34 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	61	65	63	64	58	56	60	50	59	52	59	53	68	72	67	72	67	67	58	69	59	67	62	
20																																				

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (L _{Aeq})												Predicted Noise Levels - Construction Scenarios (L _{Amax})											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfi	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
69 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	24	28	26	27	21	19	23	15	24	17	25	16	30	34	29	34	29	29	29	21	32	22	29	24
40 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	41	45	43	44	38	36	40	31	40	33	35	33	48	52	47	52	47	47	47	39	50	40	47	42
30 CHAMPNESS CR, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	32	34	32	33	27	25	29	18	27	20	33	24	38	42	37	42	37	37	37	26	37	27	37	32
8 CHAPEL ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	33	34	32	33	27	25	29	21	30	23	34	25	39	43	38	43	38	38	38	27	38	28	38	33
37 CARINYA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	47	45	46	40	38	42	35	44	37	44	35	49	53	48	53	48	48	48	42	53	43	48	43
2 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	37	35	36	30	28	32	24	33	26	33	25	39	43	38	43	38	38	38	30	41	31	38	33
133 GLOSSOP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	30	32	30	31	25	23	27	16	25	18	31	22	37	41	36	41	36	36	36	25	36	26	36	31
13 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	27	31	29	30	24	22	26	15	24	17	28	19	33	37	32	37	32	32	32	21	32	22	32	27
3-13 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	29	33	31	32	26	24	28	21	30	23	29	21	34	38	33	38	33	33	33	26	37	27	33	28
27 LITTLE CHAPEL ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	38	36	37	31	29	33	26	35	28	37	28	43	47	42	47	42	42	42	34	45	35	42	37
58 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	46	44	45	39	37	41	34	43	36	42	34	48	52	47	52	47	47	47	40	51	41	47	42
33-37 PLASSER CR, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	44	43	41	42	36	34	38	35	44	37	45	36	50	54	49	54	49	49	49	42	53	43	49	44
127 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	39	43	41	42	36	34	38	34	43	36	37	31	45	49	44	49	44	44	44	40	51	41	44	39
78-80 LEE HOLM RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	26	29	27	28	22	20	24	17	26	19	27	18	32	36	31	36	31	31	31	24	35	25	31	26
19 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	59	61	59	60	54	52	56	49	58	51	60	51	65	69	64	69	64	64	64	56	67	57	64	59
19 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	46	48	46	47	41	39	43	35	44	37	47	38	53	57	52	57	52	52	52	41	52	42	52	47
42 AUSTRALIA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	30	34	32	33	27	25	29	19	28	21	31	22	35	39	34	39	34	34	34	25	36	26	34	29
13 WARATAH ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	46	44	45	39	37	41	35	44	37	41	34	48	52	47	52	47	47	47	41	52	42	47	42
1 WARATAH ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	40	38	39	33	31	35	25	34	27	35	28	40	44	39	44	39	39	39	30	41	31	39	34
109 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	38	36	37	31	29	33	23	32	25	38	29	41	45	40	45	40	40	40	29	40	30	40	35
13 BLAIR AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	45	43	44	38	36	40	36	45	38	45	36	50	54	49	54	49	49	49	41	52	42	49	44
295 GREAT WESTERN HWY, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	21	10	21	11	21	16
67 HOBART ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	42	40	41	35	33	37	28	37	30	37	30	45	49	44	49	44	44	44	35	46	36	44	39
23 PHILLIP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	47	49	47	48	42	40	44	38	47	40	48	39	53	57	52	57	52	52	52	44	55	45	52	47
82 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	42	42	40	41	35	33	37	30	39	32	43	34	46	50	45	50	45	45	45	35	46	36	45	40
8 MERINDA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	40	38	39	33	31	35	27	36	29	35	28	42	46	41	46	41	41	41	33	44	34	41	36
13 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	31	40	33	38	32	45	49	44	49	44	44	44	37	48	38	44	39
53 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	33	37	35	36	30	28	32	28	37	30	32	25	41	45	40	45	40	40	40	33	44	34	40	35
8 KURRAJONG RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	38	41	39	40	34	32	36	30	39	32	39	30	42	46	41	46	41	41	41	35	46	36	41	36
20 WATTLE AV, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	29	33	31	32	26	24	28	21	30	23	27	21	37	41	36	41	36	36	36	29	40	30	36	31
8 Telford Pl, North St Marys NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	38	42	40	41	35	33	37	33	42	35	37	30	44	48	43	48	43	43	43	40	51	41	43	38
UNIT 2 2-6 MAMRE RD, ST MARYS NSW 2760	Public Building	Residential	NCA02	37	37	36	60	60	60	60	-	-	37	41	39	40	34	32	36	30	39	32	38	29	45	49	44	49	44	44	44	38	49	39	44	39
8/160 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	35	38	36	37	31	29	33	28	37	30	36	27	39	43	38	43	38	38	38	35	46	36	38	33
2 PHILLIP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	41	39	40	34	32	36	28	37	30	37	29	42	46	41	46	41	41	41	32	43	33	41	36
49 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	27	31	29	30	24	22	26	19	28	21	28	19	34	38	33	38	33	33	33	28	39	29	33	28
45 CARINYA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	47	45	46	40	38	42	34	43	36	43	35	48	52	47	52	47	47	47	38	49	39	47	42
84 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	36	40	38	39	33	31	35	24	33	26	37	28	41	45	40	45	40	40	40	30	41	31	40	35
369 GREAT WESTERN HWY, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	32	35	33	34	28	26	30	21	30	23	33	24	38	42	37	42	37	37	37	26	37	27	37	32
75-77 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	47	51	49	50	44	42	46	41	50	43	46	39	54	58	53	58	53	53	53	48	59	49	53	48
4 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	41	45	43	44	38	36	40	29	38	31	39	33	47	51	46	51	46	46	46	35	46	36	46	41
3 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	39	43	41	42	36	34	38	29	38	31	38	31	45	49	44	49</								

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAMax)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfl	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
40 FORRESTER RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	26	29	27	28	22	20	24	13	22	15	27	18	31	35	30	35	30	30	19	30	20	30	25	
2 COLLINS ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	29	32	30	31	25	23	27	19	28	21	30	21	34	38	33	38	33	33	25	36	26	33	28	
21 CHAMPNESS CR, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	44	45	43	44	38	36	40	34	43	36	45	36	52	56	51	56	51	51	41	52	42	51	46	
70A CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	30	34	32	33	27	25	29	25	34	27	29	22	37	41	36	41	36	36	31	42	32	36	31	
135 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	29	33	31	32	26	24	28	25	34	27	29	21	37	41	36	41	36	36	33	44	34	36	31	
11 BENALONG ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	40	38	39	33	31	35	25	34	27	35	28	40	44	39	44	39	39	30	41	31	39	34	
SOUTH CREEK PARK 2 THE KINGSWAY, ST MARYS NSW 2760	Active Recreation	Recreational/Open Space	NCA02	37	37	36	65	65	65	65	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
41 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	41	44	42	43	37	35	39	29	38	31	42	33	45	49	44	49	44	44	35	46	36	44	39	
1 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	10	21	11	21	16		
41 KALANG AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	41	39	40	34	32	36	28	37	30	33	29	43	47	42	47	42	42	35	46	36	42	37	
191 ADELAIDE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	42	40	41	35	33	37	30	39	32	42	33	48	52	47	52	47	47	37	48	38	47	42	
3 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	43	41	42	36	34	38	32	41	34	42	33	48	52	47	52	47	47	38	49	39	47	42	
16 BENALONG ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	35	39	37	38	32	30	34	26	35	28	34	27	41	45	40	45	40	40	33	44	34	40	35	
2 FORRESTER RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	34	35	33	34	28	26	30	26	35	28	35	26	44	48	43	48	43	43	33	44	34	43	38	
3 PHILLIP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	48	46	47	41	39	43	34	43	36	45	36	49	53	48	53	48	48	40	51	41	48	43	
67 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	46	50	48	49	43	41	45	38	47	40	44	38	52	56	51	56	51	51	44	55	45	51	46	
39 KING ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	39	40	38	39	33	31	35	27	36	29	40	31	45	49	44	49	44	44	33	44	34	44	39	
27 THOMPSON AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	40	44	42	43	37	35	39	28	37	30	38	32	46	50	45	50	45	45	35	46	36	45	40	
10A FORRESTER RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	53	42	40	41	35	33	37	29	38	31	54	45	55	59	54	59	54	54	43	54	44	54	49	
102 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	43	46	44	45	39	37	41	36	45	38	44	35	50	54	49	54	49	49	42	53	43	49	44	
2/171-173 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	45	48	46	47	41	39	43	36	45	38	46	37	49	53	48	53	48	48	42	53	43	48	43	
3/136 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	45	48	46	47	41	39	43	36	45	38	46	37	52	56	51	56	51	51	43	54	44	51	46	
7 ROSS PL, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	10	21	11	21	16		
SYDNEY CITY MISSION FAMILY DAY CARE 50 GIDLEY ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	29	31	29	30	24	22	26	16	25	18	30	21	34	38	33	38	33	33	22	33	23	33	28	
45 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	27	31	29	30	24	22	26	19	28	21	27	19	33	37	32	37	32	32	26	37	27	32	27	
22 WARREGO ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	38	42	40	41	35	33	37	31	40	33	36	30	45	49	44	49	44	44	37	48	38	44	39	
25A QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	44	48	46	47	41	39	43	36	45	38	42	36	50	54	49	54	49	49	44	55	45	49	44	
ST MARYS POLICE STATION 38 KING ST, ST MARYS NSW 2760	Commercial	Residential	NCA02	37	37	36	70	70	70	70	-	-	43	46	44	45	39	37	41	33	42	35	44	35	48	52	47	52	47	47	40	51	41	47	42	
6 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	31	33	31	32	26	24	28	20	29	22	32	38	42	37	42	37	37	26	37	27	37	32		
8 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	46	44	45	39	37	41	32	41	34	44	35	49	53	48	53	48	48	38	49	39	48	43	
4 CHAMPNESS CR, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	49	51	49	50	44	42	46	38	47	40	50	41	55	59	54	59	54	54	45	56	46	54	49	
26 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	34	38	36	37	31	29	33	30	39	32	33	26	41	45	40	45	40	40	37	48	38	40	35	
3/32 GIDLEY ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	41	39	40	34	32	36	28	37	30	37	29	41	45	40	45	40	40	33	44	34	40	35	
2/72 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	40	43	41	42	36	34	38	32	41	34	41	32	46	50	45	50	45	45	40	51	41	45	40	
25 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	30	34	32	33	27	25	29	23	32	25	29	22	36	40	35	40	35	35	30	41	31	35	30	
7B WARATAH ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	34	38	36	37	31	29	33	23	32	25	34	26	40	44	39	44	39	39	29	40	30	39	34	
45 POWER ST, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	30	34	32	33	27	25	29	24	33	26	29	22	33	37	32	37	32	32	31	42	32	32	27	
91 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	34	38	36	37	31	29	33	28	37	30	35	26	42	46	41	46	41	41	35	46	36	41	36	
2 MERINDA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	44	42	43	37	35	39	33	42	35	39	32	46	50	45	50	45	45	40	51	41	45	40	
14 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	32	35	33	34	28	26	30	23	32	25	33	24	37	41	36	41	36	36	27	38	28	36	31	
22 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	36	40	38	39	33	31	35	30	39	32	35	28	43	47	42	47	42	37	48	38	42	37		
15 WATTLE AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	30	34	32	33	27	25	29	21	30	23	30	22	35	39	34	39	34	34	27	38	28	34	29	
8 ROSS PL, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	45	43	44	38	36	40	33	42	35	44	35	48	52	47	52	47	47	38	49	39	47	42	
35 KENNY AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	44	42	43	37	35	39	31	40	33	38	32	45	49	44	49	44	44	37	48	38	44	39	
41 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	37	41	3																					

Receiver Details			NCA	Background Noise Level			Noise management Levels					Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAmax)													
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfi	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	
7/31-39 LITTLE CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	45	43	44	38	36	40	36	45	38	45	36	51	55	50	55	50	50	42	53	43	50	45	42	42
43 LITTLE CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	44	42	43	37	35	39	32	41	38	41	32	48	52	47	52	47	47	37	48	38	47	42	42	
14 DEBRINCAT AV, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	35	39	37	38	32	30	34	26	35	28	35	27	40	44	39	44	39	39	39	32	43	33	39	34	34
142 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	-	-	-	45	48	46	47	41	39	43	36	45	38	46	37	51	55	50	55	50	50	40	43	54	44	50	45	45
10 DEBRINCAT AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	41	39	40	34	32	36	28	37	30	35	29	44	48	43	48	43	43	34	45	35	43	38	43	31
5 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	34	32	33	27	25	29	25	34	27	34	25	37	41	36	41	36	36	35	46	36	36	31	31	
31 BIRCH ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	36	40	38	39	33	31	35	28	37	30	37	28	43	47	42	47	42	42	35	46	36	42	37	37	
18 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	42	46	44	45	39	37	41	31	40	33	42	34	47	51	46	51	46	46	37	48	38	46	41	41	
37 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	32	35	33	34	28	26	30	20	29	22	33	24	37	41	36	41	36	36	26	37	27	36	31	31	
27 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	39	37	38	32	30	34	28	37	30	36	27	41	45	40	45	40	40	34	45	35	40	35	35	
18 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	30	39	32	39	32	46	50	45	50	45	45	37	48	38	45	40	40	
231 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	-	-	-	34	38	36	37	31	29	33	26	35	28	35	26	40	44	39	44	39	39	32	43	33	39	34	34	
43 KENNY AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	34	38	36	37	31	29	33	22	31	24	33	26	39	43	38	43	38	38	29	40	30	38	33	33	
72 HOBART ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	40	38	39	33	31	35	28	37	30	39	30	44	48	43	48	43	43	35	46	36	43	38	38	
164 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	38	36	37	31	29	33	29	38	31	40	31	45	49	44	49	44	44	35	46	36	44	39	39	
145-147 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	-	-	-	40	44	42	43	37	35	39	34	43	36	41	32	45	49	44	49	44	44	38	49	39	44	39	39	
121 FORRESTER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	30	34	32	33	27	25	29	23	32	25	31	22	38	42	37	42	37	31	42	32	37	32	37	32	
182 CANBERRA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	29	31	29	30	24	22	26	17	26	19	30	21	35	39	34	39	34	34	23	34	24	34	29	29	
19 LETHBRIDGE ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	44	45	43	44	38	36	40	35	44	37	45	36	51	55	50	55	50	50	41	52	42	50	45	45	
50 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	31	40	33	35	32	48	52	47	52	47	47	38	49	39	47	42	42	
2 ANZAC ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	23	27	25	26	20	18	22	12	21	14	23	15	28	32	27	32	27	19	30	20	27	22	22		
1/13 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	47	51	49	50	44	42	46	36	45	38	45	39	52	56	51	56	51	51	43	54	44	51	46	46	
2/144 FORRESTER RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	38	42	40	41	35	33	37	32	41	34	37	30	42	46	41	46	41	41	39	50	40	41	36	36	
37 KALANG AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	41	39	40	34	32	36	30	39	32	38	29	43	47	42	47	42	42	38	49	39	42	37	37	
33 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	45	43	44	38	36	40	32	41	34	44	35	48	52	47	52	47	47	38	49	39	47	42	42	
8 ACACIA AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	38	42	40	41	35	33	37	28	37	30	37	30	44	48	43	48	43	43	35	46	36	43	38	38	
39 KENNY AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	40	44	42	43	37	35	39	29	38	31	38	32	45	49	44	49	44	44	35	46	36	44	39	39	
5 PHILLIP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	44	48	46	47	41	39	43	34	43	36	45	36	48	52	47	52	47	47	40	51	41	47	42	42	
188 CANBERRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	31	35	33	34	28	26	30	20	29	22	32	23	36	40	35	40	35	35	27	38	28	35	30	30	
69 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	38	40	38	39	33	31	35	31	40	33	39	30	44	48	43	48	43	43	34	45	35	43	38	38	
42 BIRCH ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	37	38	36	37	31	29	33	27	36	29	38	29	40	44	39	44	39	39	33	44	34	39	34	34	
17 BENALONG ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	42	40	41	35	33	37	31	40	33	36	30	43	47	42	47	42	42	38	49	39	42	37	37	
10 DEBRINCAT AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	37	35	36	30	28	32	22	31	24	31	25	38	42	37	42	37	29	40	30	37	32	32		
7 CHESHAM ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	45	49	47	48	42	40	44	34	43	36	44	37	51	55	50	55	50	50	42	53	43	50	45	45	
23 BENALONG ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	33	37	35	36	30	28	32	23	32	25	33	25	39	43	38	43	38	38	29	40	30	38	33	33	
339 GREAT WESTERN HWY, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	-	-	-	30	34	32	33	27	25	29	23	32	25	31	22	38	42	37	42	37	37	31	42	32	37	32	32	
3-13 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	26	29	27	28	22	20	24	13	22	15	27	18	31	35	30	35	30	19	30	20	30	25	25		
1/46-48 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	10	21	11	21	16	16		
21 PHILLIP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	48	50	48	49	43	41	45	39	48	41	49	40	54	58	53	58	53	53	46	57	47	53	48	48	
74 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	45	49	47	48	42	40	44	35	44	37	45	37	51	55	50	55	50	50	41	52	42	50	45	45	
2 MAXIM PL, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	28	30	28	29	23	21	25	22	31	24	29	20	33	37	32	37	32	29	40	30	32	27	27		
26 WARREGO ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	31	35	33	34	28	26	30	24	33	26	30	23	38	42	37	42	37	37	31	42	32	37	32	32	
24 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	36	40	38	39	33	31	35	30	39	32	33	28	44	48	43	48	43	43	37	48	38	43	38	38	
31 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42</																												

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAmax)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfl	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
139 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	30	34	32	33	27	25	29	25	34	27	29	22	36	40	35	40	35	35	35	32	43	33	35	30
3 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	30	39	32	36	32	45	49	44	49	44	44	44	36	47	37	44	39
3 BROCK AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	28	30	28	29	23	21	25	14	23	16	29	20	33	37	32	37	32	32	21	32	22	32	27	
5 ANZAC ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	31	40	33	37	32	46	50	45	50	45	45	38	49	39	45	40	
48 THOMPSON AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	34	38	36	37	31	29	33	24	33	26	35	26	40	44	39	44	39	39	39	31	42	32	39	34
48 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	31	40	33	35	32	47	51	46	51	46	46	38	49	39	46	41	
36 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	41	43	41	42	36	34	38	28	37	30	42	33	45	49	44	49	44	44	34	45	35	44	39	
373 GREAT WESTERN HWY, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	37	40	38	39	33	31	35	31	40	33	38	29	43	47	42	47	42	47	48	38	42	37		
132 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	31	35	33	34	28	26	30	20	29	22	32	23	38	42	37	42	37	27	38	28	37	32		
64 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	39	43	41	42	36	34	38	31	40	33	36	31	46	50	45	50	45	45	37	48	38	45	40	
12-14 PARKLAWN PL, NORTH ST MARYS NSW 2760	Commercial	Commercial/Business	NCA01	38	38	38	70	70	70	70	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
37 KENNY AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	29	33	31	32	26	24	28	17	26	19	29	21	34	38	33	38	33	33	24	35	25	33	28	
28 CHAPEL ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	30	32	30	31	25	23	27	17	26	19	31	22	35	39	34	39	34	34	23	34	24	34	29	
ST MARYS PUBLIC SCHOOL 2-6 PRINCESS MARY ST, ST MARYS NSW 2760	Educational	Mixed Use	NCA02	37	37	36	55	55	55	55	-	-	27	31	29	30	24	22	26	16	25	18	27	19	32	36	31	36	31	31	21	32	22	31	26	
6/31 PHILLIP ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	53	57	55	56	50	48	52	43	52	45	54	45	57	61	56	61	56	56	49	60	50	56	51	
1 WATTLE AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	34	38	36	37	31	29	33	28	37	30	32	26	40	44	39	44	39	39	35	46	36	39	34	
120 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	45	43	44	38	36	40	33	42	35	44	35	48	52	47	52	47	47	40	51	41	47	42	
The Kingsway, Werrington NSW 2747	Active Recreation	Recreational/Open Space	NCA02	37	37	36	65	65	65	65	-	-	36	40	38	39	33	31	35	26	35	28	34	28	42	46	41	46	41	47	34	45	35	41	36	
31 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	29	33	31	32	26	24	28	24	33	26	29	21	36	40	35	40	35	35	35	32	43	33	35	30
127 FORRESTER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	26	29	27	28	22	20	24	15	24	17	27	18	32	36	31	36	31	31	22	33	23	31	26	
2/19-21 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	43	41	42	36	34	38	34	43	36	44	35	49	53	48	53	48	48	40	51	41	48	43	
8 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	25	28	26	27	21	19	23	13	22	15	26	17	30	34	29	34	29	29	21	32	22	29	24	
37 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	30	33	31	32	26	24	28	18	27	20	31	22	37	41	36	41	36	36	26	37	27	36	31	
6 KING ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	41	39	40	34	32	36	25	34	27	37	29	44	48	43	48	43	43	32	43	33	43	38	
18 CEDAR CR, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	38	42	40	41	35	33	37	30	39	32	37	30	43	47	42	47	42	42	36	47	37	42	37	
49 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	26	30	28	29	23	21	25	18	27	20	27	18	33	37	32	37	32	32	26	37	27	32	27	
27 LETHBRIDGE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	45	48	46	47	41	39	43	35	44	37	46	37	52	56	51	56	51	51	41	52	42	51	46	
75-77 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	47	51	49	50	44	42	46	40	49	42	45	39	53	57	52	57	52	52	48	59	49	52	47	
26 KENNY AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	44	42	43	37	35	39	28	37	30	39	32	46	50	45	50	45	45	35	46	36	45	40	
9 STAPLETON PDE, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	39	37	38	32	30	34	31	40	33	40	31	45	49	44	49	44	44	37	48	38	44	39	
97 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	44	43	41	42	36	34	38	33	42	35	45	36	49	53	48	53	48	48	38	49	39	48	43	
5 ARALUEN AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	46	44	45	39	37	41	36	45	38	41	34	50	54	49	54	49	49	42	53	43	49	44	
13 STAPLETON PDE, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	36	34	35	29	27	31	25	34	27	38	29	45	49	44	49	44	44	33	44	34	44	39	
47 CARINYA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	47	45	46	40	38	42	34	43	36	42	35	47	51	46	51	46	46	46	39	50	40	46	41
61 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	34	38	36	37	31	29	33	25	34	27	34	26	39	43	38	43	38	38	31	42	32	38	33	
6 CHAPEL ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	37	35	36	30	28	32	24	33	26	37	28	44	48	43	48	43	43	32	43	33	43	38	
46 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	44	42	43	37	35	39	31	40	33	40	32	46	50	45	50	45	45	37	48	38	45	40	
1/34-36 PHILLIP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	49	52	50	51	45	43	47	41	50	43	50	41	54	58	53	58	53	53	47	58	48	53	48	
3 BENALONG ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	41	39	40	34	32	36	28	37	30	38	29	43	47	42	47	42	42	35	46	36	42	37	
9/14 TELFORD PL, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	40	44	42	43	37	35	39	36	45	38	38	32	47	51	46	51	46	46	44	55	45	46	41	
13 KUNGALA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	40	38	39	33	31	35	28	37	30	36	28	40	44	39	44	39	39	32	43	33	39	34	
ST MARYS PUBLIC SCHOOL 2-6 PRINCESS MARY ST, ST MARYS NSW 2760	Educational	Mixed Use	NCA02	37	37	36	55	55	55	55	-	-	28	32	30	31	25	23	27	17	26	19	29	20	34	38	33	38	33	33	24	35	25	33	28	
17 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	31	40	33	41	32	47	51	46	51	46	46	36	47	37	46	41	
389-441 GREAT WESTERN HWY, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	40	43	41	42	36	34	38	31	40	33	41	32	46	50	45	50	45	45	37	48	38	45	40	
58 AUSTRALIA ST, ST MARYS NSW 276																																				

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAMax)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfI	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
32 CEDAR CR, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	34	38	36	37	31	29	33	27	36	29	35	26	41	45	40	45	40	40	34	45	35	40	35	
147 GLOSSOP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	35	35	33	34	28	26	30	24	33	26	36	27	44	48	43	48	43	43	32	43	33	43	38	
12 BROCK AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	37	35	36	30	28	32	25	34	27	38	29	42	46	41	46	41	41	30	41	31	41	36	
11A ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	39	37	38	32	30	34	30	39	32	35	27	42	46	41	46	41	41	36	47	37	41	36	
ST MARYS PUBLIC SCHOOL 2-6 PRINCESS MARY ST, ST MAR	Educational	Mixed Use	NCA02	37	37	36	55	55	55	55	-	-	37	41	39	40	34	32	36	26	35	28	38	29	44	48	43	48	43	43	33	44	34	43	38	
14 ROSS PL, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	46	49	47	48	42	40	44	40	49	42	47	38	52	56	51	56	51	51	47	58	48	51	46	
189 CANBERRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	35	39	37	38	32	30	34	26	35	28	36	27	40	44	39	44	39	39	32	43	33	39	34	
54 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	47	51	49	50	44	42	46	39	48	41	48	39	51	55	50	55	50	50	45	56	46	50	45	
53 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	41	39	40	34	32	36	26	35	28	37	29	44	48	43	48	43	43	34	45	35	43	38	
43 CARINYA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	47	45	46	40	38	42	34	43	36	43	35	48	52	47	52	47	47	39	50	40	47	42	
30 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	39	43	41	42	36	34	38	32	41	34	37	31	45	49	44	49	44	44	39	50	40	44	39	
12 ROSS PL, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	38	42	40	41	35	33	37	29	38	31	36	30	44	48	43	48	43	43	37	48	38	43	38	
7 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	37	35	36	30	28	32	28	37	30	34	25	41	45	40	45	40	40	37	48	38	40	35	
10 DEBRINCAT AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	39	43	41	42	36	34	38	29	38	31	36	31	44	48	43	48	43	43	35	46	36	43	38	
16 AUSTRALIA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	38	42	40	41	35	33	37	27	36	29	38	30	43	47	42	47	42	42	33	44	34	42	37	
2 BROCK AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	42	40	41	35	33	37	31	40	33	43	34	49	53	48	53	48	48	48	37	48	38	48	43
95-113 LEE HOLM RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	39	40	38	39	33	31	35	32	41	34	40	31	46	50	45	50	45	45	38	49	39	45	40	
10 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	33	36	34	35	29	27	31	25	34	27	34	25	39	43	38	43	38	38	32	43	33	38	33	
36 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	40	38	39	33	31	35	30	39	32	40	31	45	49	44	49	44	44	36	47	37	44	39	
125 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	28	32	30	31	25	23	27	23	32	25	29	20	36	40	35	40	35	35	30	41	31	35	30	
3 CHESHAM ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	54	58	56	57	51	49	53	44	53	46	55	46	59	63	58	63	58	58	50	61	51	58	53	
26 CEDAR CR, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	38	42	40	41	35	33	37	27	36	29	39	30	47	51	46	51	46	46	35	46	36	46	41	
70 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	43	47	45	46	40	38	42	31	40	33	43	35	48	52	47	52	47	47	37	48	38	47	42	
32 THOMPSON AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
83-91 LEE HOLM RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	37	39	37	38	32	30	34	30	39	32	38	29	44	48	43	48	43	43	37	48	38	43	38	
24 BIRCH ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	32	36	34	35	29	27	31	23	32	25	33	24	38	42	37	42	37	37	29	40	30	37	32	
21 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	39	43	41	42	36	34	38	29	38	31	40	31	45	49	44	49	44	44	37	48	38	44	39	
11 BROCK AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	34	37	35	36	30	28	32	24	33	26	35	26	39	43	38	43	38	38	30	41	31	38	33	
1/166 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	41	44	42	43	37	35	39	35	44	37	42	33	48	52	47	52	47	47	41	52	42	47	42	
7 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	25	29	27	28	22	20	24	13	22	15	26	17	30	34	29	34	29	29	18	29	19	29	24	
29 LETHBRIDGE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	33	37	35	36	30	28	32	24	33	26	34	25	39	43	38	43	38	38	30	41	31	38	33	
16 MAXIM PL, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	34	36	34	35	29	27	31	29	38	31	35	26	40	44	39	44	39	39	35	46	36	39	34	
ST MARYS NORTH PUBLIC SCHOOL 24-40 WILLOW RD, NOR	Educational	Residential	NCA01	38	38	38	55	55	55	55	-	-	33	37	35	36	30	28	32	25	34	27	30	25	40	44	39	44	39	39	34	45	35	39	34	
77 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	44	48	46	47	41	39	43	36	45	38	43	36	49	53	48	53	48	48	41	52	42	48	43	
34 KENNY AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	28	32	30	31	25	23	27	16	25	18	29	20	34	38	33	38	33	33	23	34	24	33	28	
SOUTH CREEK PARK 2 THE KINGSWAY, ST MARYS NSW 2760	Active Recreation	Recreational/Open Space	NCA02	37	37	36	65	65	65	65	-	-	38	42	40	41	35	33	37	29	38	31	35	30	45	49	44	49	44	44	37	48	38	44	39	
45 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	33	37	35	36	30	28	32	22	31	24	33	25	39	43	38	43	38	38	32	43	33	38	33	
119 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	31	34	32	33	27	25	29	25	34	27	32	23	36	40	35	40	35	30	41	31	35	30		
TNHS 7 154 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	41	39	40	34	32	36	28	37	30	38	29	43	47	42	47	42	42	34	45	35	42	37	
14-16 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	61	60	58	59	53	51	55	48	57	50	62	53	68	72	67	72	67	67	56	67	57	67	62	
41 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	42	40	41	35	33	37	31	40	33	41	32	49	53	48	53	48	48	37	48	38	48	43	
40 GIDLEY ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	44	42	43	37	35	39	34	43	36	42	33	45	49	44	49	44	44	39	50	40	44	39	
10 PHILLIP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	48	52	50	51	45	43	47	38	47	40	49	40	53	57	52	57	52	52	46	57	47	52	47	
6 NARIEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	43	41	42	36	34	38	35	44	37	40	31	48	52	47	52	47	47	42	53	43	47	42	
40 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	39	37	38</																				

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAMax)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfI	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
28 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	28	31	29	30	24	22	26	16	25	18	29	20	34	38	33	38	33	33	23	34	24	33	28	
9 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	39	43	41	42	36	34	38	31	40	33	35	31	48	52	47	52	47	47	38	49	39	47	42	
4 WARREGO ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	37	35	36	30	28	32	27	36	29	32	25	39	43	38	43	38	38	35	46	36	38	33	
10-16 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	40	38	39	33	31	35	29	38	31	42	33	48	52	47	52	47	47	36	47	37	47	42	
6 DEBRINCAT AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	41	39	40	34	32	36	28	37	30	35	29	42	46	41	46	41	41	33	44	34	41	36	
3-13 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	39	43	41	42	36	34	38	34	43	36	37	31	47	51	46	51	46	46	46	41	52	42	46	41
13-15 PLASSER CR, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	41	42	40	41	35	33	37	29	38	31	42	33	47	51	46	51	46	46	46	35	46	36	46	41
31 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	39	37	38	32	30	34	29	38	31	33	27	43	47	42	47	42	42	37	48	38	42	37	
5 MAMRE RD, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	35	38	36	37	31	29	33	25	34	27	36	27	42	46	41	46	41	32	43	33	41	36		
46 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	38	42	40	41	35	33	37	30	39	32	34	30	45	49	44	49	44	44	44	37	48	38	44	39
33 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	30	39	32	38	32	46	50	45	50	45	45	45	36	47	37	45	40
ST MARYS NORTH PUBLIC SCHOOL 24-40 WILLOW RD, NOR	Child Care	Residential	NCA01	38	38	38	50	50	50	50	-	-	41	45	43	44	38	36	40	30	39	32	39	33	46	50	45	50	45	45	45	37	48	38	45	40
25 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	30	34	32	33	27	25	29	23	32	25	29	22	36	40	35	40	35	35	31	42	32	35	30	
4/140 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	43	41	42	36	34	38	33	42	35	43	34	50	54	49	54	49	49	49	40	51	41	49	44
4 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	41	39	40	34	32	36	29	38	31	34	29	46	50	45	50	45	45	45	36	47	37	45	40
11 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	39	43	41	42	36	34	38	32	41	34	36	31	47	51	46	51	46	46	46	38	49	39	46	41
44 CHAPEL ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	46	50	48	49	43	41	45	38	47	40	47	38	54	58	53	58	53	53	45	56	46	53	48	
4 KURRAJONG RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	30	32	30	31	25	23	27	17	26	19	31	22	34	38	33	38	33	33	23	34	24	33	28	
ST MARYS PUBLIC SCHOOL 2-6 PRINCESS MARY ST, ST MAR	Educational	Mixed Use	NCA02	37	37	36	55	55	55	55	-	-	42	46	44	45	39	37	41	32	41	34	41	34	48	52	47	52	47	47	47	39	50	40	47	42
28 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	30	39	32	41	32	46	50	45	50	45	45	45	36	47	37	45	40
13 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	47	46	44	45	39	37	41	35	44	37	48	39	54	58	53	58	53	53	42	53	43	53	48	
6 PHILLIP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	41	39	40	34	32	36	26	35	28	37	29	42	46	41	46	41	41	33	44	34	41	36	
137 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
7 COLLINS ST, ST MARYS NSW 2760	Public Building	Residential	NCA02	37	37	36	60	60	60	60	-	-	38	42	40	41	35	33	37	31	40	33	39	30	44	48	43	48	43	43	38	49	39	43	38	
1/204 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	40	42	40	41	35	33	37	32	41	34	41	32	45	49	44	49	44	44	38	49	39	44	39	
60 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	32	32	30	31	25	23	27	20	29	22	33	24	34	38	33	38	33	33	25	36	26	33	28	
93 LEE HOLM RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	39	40	38	39	33	31	35	32	41	34	40	31	49	53	48	53	48	48	48	39	50	40	48	43
11 NARIEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	45	43	44	38	36	40	35	44	37	40	33	47	51	46	51	46	46	43	54	44	46	41	
UNIT 3 18 LETHBRIDGE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	45	47	45	46	40	38	42	35	44	37	46	37	53	57	52	57	52	52	41	52	42	52	47	
37 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	38	36	37	31	29	33	24	33	26	37	28	42	46	41	46	41	41	30	41	31	41	36	
1 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	31	35	33	34	28	26	30	24	33	26	30	23	38	42	37	42	37	37	32	43	33	37	32	
25A QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	52	56	54	55	49	47	51	47	56	49	51	44	61	65	60	65	60	60	54	65	55	60	55	
93 LEE HOLM RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	39	40	38	39	33	31	35	32	41	34	40	31	49	53	48	53	48	48	48	39	50	40	48	43
39 TOBRUK ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	31	35	33	34	28	26	30	26	35	28	29	33	37	41	36	41	36	36	33	44	34	36	31	
5 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	41	39	40	34	32	36	32	41	34	42	33	48	52	47	52	47	47	47	38	49	39	47	42
57 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	38	42	40	41	35	33	37	29	38	31	37	30	44	48	43	48	43	43	36	47	37	43	38	
38 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	42	46	44	45	39	37	41	34	43	36	39	34	48	52	47	52	47	47	41	52	42	47	42	
35 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	45	43	44	38	36	40	33	42	35	40	33	48	52	47	52	47	47	40	51	41	47	42	
2 COLLINS ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	26	30	28	29	23	21	25	14	23	16	27	18	31	35	30	35	30	30	20	31	21	30	25	
7 ELM ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	33	37	35	36	30	28	32	25	34	27	33	25	38	42	37	42	37	37	31	42	32	37	32	
88 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	31	34	32	33	27	25	29	18	27	20	32	23	36	40	35	40	35	35	24	35	25	35	30	
15/31-39 LITTLE CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	35	37	35	36	30	28	32	23	32	25	36	27	41	45	40	45	40	40	29	40	30	40	35	
12 MERINDA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	42	40	41	35	33	37	31	40	33	36	30	43	47	42	47	42	42	37	48	38	42	37	
12/17-19 KURRAJONG RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75</																												

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAmax)														
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfl	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12			
12 PHILLIP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	-	42	65	49	51	49	50	44	42	46	37	46	39	50	41	55	59	54	54	54	44	55	45	54	49	42	42	42		
6/7 KURRAJONG RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	-	75	75	-	75	-	42	41	39	40	34	32	46	33	42	35	43	34	48	52	47	52	47	47	39	50	40	47	42	42	42		
35 KENNY AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	32	36	34	35	29	27	31	22	31	24	32	24	37	41	36	41	36	36	36	28	39	29	36	31	31	31	
2/155 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	-	42	65	37	39	37	38	32	30	34	28	37	30	38	29	42	46	41	46	41	41	41	37	48	38	41	36	36	36	
72 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	-	43	65	31	35	33	34	28	26	30	23	32	25	29	23	42	46	41	46	41	41	41	37	48	38	41	36	36	36	
35 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	-	43	65	41	43	41	42	36	34	38	30	39	32	42	33	47	51	46	51	46	46	46	46	47	37	46	41	41	41	
41 KENNY AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	41	39	40	34	32	36	26	35	28	35	29	42	46	41	46	41	41	41	32	43	33	41	36	36	36	
138 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	-	42	65	33	35	33	34	28	26	30	21	30	23	34	25	40	44	39	44	39	39	28	39	29	39	34	34	34	34	
223 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	-	70	70	-	70	-	41	43	41	42	36	34	38	32	41	34	42	33	48	52	47	52	47	47	39	50	40	47	42	42	42	42	
ST MARYS SENIOR HIGH SCHOOL 6-50 KALANG AV, ST MAR	Educational	Residential	NCA02	37	37	36	-	55	55	-	55	-	44	48	46	47	41	39	43	36	45	38	41	36	50	54	49	54	49	49	43	54	44	49	44	44	44	44	
1 PARKLAWN PL, NORTH ST MARYS NSW 2760	Commercial	Commercial/Business	NCA01	38	38	38	-	70	70	-	70	-	39	43	41	42	36	34	38	29	38	31	34	31	46	50	45	50	45	45	45	45	45	45	45	45	45	45	
11 KALANG AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	-	42	65	38	42	40	41	35	33	37	32	41	34	37	30	44	48	43	48	43	43	43	38	49	39	43	38	38	38	
68 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	-	43	65	44	48	46	47	41	39	43	33	42	35	43	36	49	53	48	53	48	48	48	39	50	40	48	43	43	43	
36 KENNY AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	-	42	65	41	45	43	44	38	36	40	31	40	33	39	33	47	51	46	51	46	46	46	46	46	46	46	46	46	46	
35 KALANG AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	39	43	41	42	36	34	38	32	41	34	33	31	49	53	48	53	48	48	48	40	51	41	48	43	43	43	
36 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	-	43	65	41	45	43	44	38	36	40	30	39	32	38	33	48	52	47	52	47	47	37	48	38	47	42	42	42	42	
67 HOBART ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	-	42	65	39	43	41	42	36	34	38	28	37	30	37	31	44	48	43	48	43	43	34	45	35	43	38	43	43	43	
12 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	-	43	65	30	34	32	33	27	25	29	24	33	26	30	22	37	41	36	41	36	36	30	41	31	36	31	36	31	36	
203B QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	-	70	70	-	70	-	43	46	44	45	39	37	41	33	42	35	44	35	49	53	48	53	48	48	48	38	49	39	48	43	43	43	
69 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	-	43	65	32	36	34	35	29	27	31	23	32	25	33	24	38	42	37	42	37	37	28	39	29	37	32	32	32		
70-72 LEE HOLM RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	-	75	75	-	75	-	35	38	36	37	31	29	33	27	36	29	36	27	41	45	40	45	40	40	34	45	35	40	35	40	35	40	
9 CAMIRA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	38	42	40	41	35	33	37	34	43	36	39	30	48	52	47	52	47	47	43	54	44	47	42	42	42	42	
18 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	-	42	65	38	42	40	41	35	33	37	26	35	28	37	30	43	47	42	47	42	42	42	33	44	34	42	37	37	37	
22 WARREGO ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	29	32	30	31	25	23	27	22	31	24	30	21	35	39	34	39	34	34	28	39	29	34	29	34	29	29	29
57 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	-	42	65	30	33	31	32	26	24	28	20	29	22	31	22	36	40	35	40	35	35	28	39	29	35	30	30	30	30	
24 WARREGO ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	33	37	35	36	30	28	32	27	36	29	34	25	40	44	39	44	39	39	33	44	34	39	34	39	34	39	34
5 BENALONG ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	40	38	39	33	31	35	27	36	29	35	28	42	46	41	46	41	41	35	46	36	41	36	41	36	41	
41 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	-	43	65	42	44	42	43	37	35	39	30	39	32	43	34	48	52	47	52	47	47	36	47	37	47	42	42	42	42	
183 CANBERRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	-	42	65	35	37	35	36	30	28	32	23	32	25	36	27	39	43	38	43	38	38	32	43	33	38	33	38	33	38	
97 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	-	75	75	-	75	-	47	47	45	46	40	38	42	36	45	35	38	48	39	53	57	52	57	52	52	42	53	43	52	47	47	47	
ST MARYS PUBLIC SCHOOL 2-6 PRINCESS MARY ST, ST MAR	Educational	Mixed Use	NCA02	37	37	36	-	55	55	-	55	-	41	45	43	44	38	36	40	29	38	31	41	33	47	51	46	51	46	46	46	46	46	46	46	46	46	46	
33 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	-	43	65	35	39	37	38	32	30	34	28	37	30	34	27	41	45	40	45	40	40	35	46	36	40	35	40	35	40	
40 BIRCH ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	26	37	35	36	30	28	32	25	34	27	37	28	40	44	39	44	39	39	30	41	31	39	34	39	34	39	
10 DEBRINCAT AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	-	43	65	29	33	31	32	26	24	28	18	27	20	29	21	34	38	33	38	33	33	33	33	23	34	24	33	28	34	
4/51 KENNY AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	-	42	65	42	46	44	45	39	37	41	32	41	34	40	34	48	52	47	52	47	47	40	51	41	47	42	42	42	42	
1 STAPLETON PDE, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	-	42	65	43	46	44	45	39	37	41	33	42	35	44	35	49	53	48	53	48	48	39	50	40	48	43	43	43		
38 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	-	42	65	42	41	39	40	34	32	36	32	41	34	43	34	51	55	50	55	50	50	39	50	40	50	45	50	45	50	
73 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	-	75	75	-	75	-	45	45	43	44	38	36	40	33	42	35	46	37	46	50	45	50	45	45	40	51	41	45	40	45	40		
228 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	-	70	70	-	70	-	26	29	27	28	22	20	24	13	22	15	27	18	31	35	30	35	30	30	19	30	20	30	25	25	25	25	
133 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	-	42	65	44	44	42	43	37	35	39	33	42	35	45	36	51	55	50	55	50	50	39	50	40	50	45	50	45	50	
74 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	-	43	65	39	43	41	42	36	34	38	31	40	33	39	31	44	48	43	48	43	43	37	48	38	43	38	43	38	38	
191 CANBERRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	-	42	65	32	35	33																								

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAmax)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfl	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
104 GLOSSOP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	38	42	40	41	35	33	37	26	35	28	37	30	43	47	42	47	42	42	42	34	45	35	42	37
ST MARYS RAILWAY STATION SHOP 2 63 STATION ST, NOR	Commercial	Transport/Infrastructure	NCA02	37	37	36	-	70	70	70	70	-	71	75	73	74	68	66	70	59	68	61	65	63	76	80	75	80	75	75	66	77	67	75	70	
31 TOBRUK ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	43	53	65	32	36	34	35	29	27	31	26	35	28	30	24	41	45	40	45	40	40	33	44	34	40	35
11 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	43	53	65	33	37	35	36	30	28	32	29	38	31	32	25	40	44	39	44	39	39	37	48	38	39	34
6 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	43	53	65	29	33	31	32	26	24	28	22	31	24	28	21	35	39	34	39	34	34	29	40	30	34	29
SOUTH CREEK PARK 2 THE KINGSWAY, ST MARYS NSW 276	Active Recreation	Recreational/Open Space	NCA02	37	37	36	-	65	65	65	65	-	-	-	-	-	-	-	-	-	-	-	-	-	41	45	40	45	40	40	35	46	36	40	35	
312 GREAT WESTERN HWY, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	37	35	36	30	28	32	25	34	27	37	28	41	45	40	45	40	40	30	41	31	40	35	
3/134 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	44	46	44	45	39	37	41	35	44	37	45	36	51	55	50	55	50	50	40	52	42	50	45
85-87 QUEEN ST, ST MARYS NSW 2760	Medical	Mixed Use	NCA02	37	37	36	-	65	65	65	65	-	-	43	46	44	45	39	37	41	35	44	37	44	35	49	53	48	53	48	48	42	53	43	48	43
22 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	43	53	65	41	45	43	44	38	36	40	31	40	33	42	33	47	51	46	51	46	46	37	48	38	46	41
10 NARIEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	38	42	40	41	35	33	37	32	41	34	39	30	46	50	45	50	45	45	39	50	40	45	40
77 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	-	75	75	75	75	-	-	38	42	40	41	35	33	37	29	38	31	37	30	45	49	44	49	44	44	38	49	39	44	39
2 ANZAC ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	43	53	65	27	31	29	30	24	22	26	17	26	19	27	19	33	37	32	37	32	24	35	25	32	27	
146-148 GLOSSOP ST, ST MARYS NSW 2760	Child Care	Residential	NCA02	37	37	36	-	50	50	50	50	-	-	40	40	38	39	33	31	25	28	37	30	41	32	47	51	46	51	46	46	35	46	36	46	41
3/52 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	38	38	36	37	31	29	33	29	38	31	39	30	46	50	45	50	45	45	35	46	36	45	40
12 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	41	44	42	43	37	35	39	30	39	32	42	33	47	51	46	51	46	46	36	47	37	46	41
46 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	43	53	65	39	43	41	42	36	34	38	29	38	31	35	31	48	52	47	52	47	38	49	39	47	42	
1/71 HOBART ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	34	38	36	37	31	29	33	23	32	25	33	26	39	43	38	43	38	38	29	40	30	38	33
10 FORRESTER RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	-	75	75	75	75	-	-	52	56	54	55	49	47	51	45	54	47	53	44	62	66	61	66	61	61	50	61	51	61	56
21 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	-	70	70	70	70	-	-	53	57	55	56	50	48	52	47	56	49	52	45	57	61	56	61	56	56	54	65	55	56	51
5 WATTLE AV, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	-	31	35	33	34	28	26	30	26	35	28	30	23	36	40	35	40	35	35	29	40	30	35	30
29 KUNGALA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	-	30	34	32	33	27	25	29	20	29	22	30	22	36	40	35	40	35	35	26	37	27	35	30
1 CAMIRA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	-	40	43	41	42	36	34	38	31	40	33	41	32	46	50	45	50	45	45	38	49	39	45	40
40 FORRESTER RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	-	75	75	75	75	-	-	38	40	38	39	33	31	35	32	41	34	39	30	43	47	42	47	42	42	37	48	38	42	37
53 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	33	37	35	36	30	28	32	23	32	25	33	25	39	43	38	43	38	38	29	40	30	38	33
33 THOMPSON AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	-	34	38	36	37	31	29	33	25	34	27	34	26	40	44	39	44	39	39	33	44	34	39	34
190 ADELAIDE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	35	37	35	36	30	28	32	25	34	27	36	27	43	47	42	47	42	42	31	42	32	42	37
31 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	44	46	44	45	39	37	41	34	43	36	45	36	50	54	49	54	49	49	40	51	41	49	44
20 ACACIA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	43	47	45	46	40	38	42	37	46	39	43	35	49	53	48	53	48	48	44	55	45	48	43
30 WARREGO ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	43	53	65	38	42	40	41	35	33	37	30	39	32	35	30	45	49	44	49	44	44	37	48	38	44	39
137 FORRESTER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	-	27	31	29	30	24	22	26	18	27	20	27	19	33	37	32	37	32	32	24	35	25	32	27
158 GLOSSOP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	-	30	32	30	31	25	23	27	18	27	20	31	22	37	41	36	41	36	36	25	36	26	36	31
13 LETHBRIDGE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	51	53	51	52	46	44	48	40	49	42	52	43	57	61	56	61	56	56	47	58	48	56	51
161 BRISBANE ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	-	29	32	30	31	25	23	27	16	25	18	30	21	34	38	33	38	33	33	22	33	23	33	28
12-14 PARKLAWN PL, NORTH ST MARYS NSW 2760	Commercial	Commercial/Business	NCA01	38	38	38	-	70	70	70	70	-	-	40	44	42	43	37	35	39	29	38	31	35	32	46	50	45	50	45	45	35	46	36	45	40
3 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	49	52	50	51	45	43	47	37	46	39	50	41	56	60	55	60	55	55	44	55	45	55	50
55 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	-	26	30	28	29	23	21	25	20	29	22	27	18	33	37	32	37	32	23	34	24	32	27	
15 WATTLE AV, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	-	31	35	33	34	28	26	30	26	35	28	30	23	38	42	37	42	37	37	34	45	35	37	32
1/2A COLLINS ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	35	38	36	37	31	29	33	29	38	31	36	27	40	44	39	44	39	39	35	46	36	39	34
9 BIRCH ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	-	41	45	43	44	38	36	40	31	40	33	39	33	46	50	45	50	45	45	36	47	37	45	40
3 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	43	53	65	39	43	41	42	36	34	38	28	37	30	39	31	46	50	45	50	45	45	34	45	35	45	40
158 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	32	36	34	35	29	27	31	24	33	26	33	24	37	41	36	41	36	36	31	42	32	36	31
130 GLOSSOP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	-	36	38	36	37	31	29	33	25	34	27	37	28	44	48	43	48	43	43	36	47	37	43	38
15 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	43	53	65	38	42	40	41	35	33	37	28	37	30	37	30	43										

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAEq)												Predicted Noise Levels - Construction Scenarios (LAmax)														
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfi	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12			
76 KURRAJONG RD, NORTH ST MARYS NSW 2760	Passive Recreation	Recreational/Open Space	NCA01	38	38	38	60	60	60	60	-	-	42	45	43	44	38	36	40	32	41	34	43	34	45	49	44	49	44	44	44	47	47	47	37	48	38	44	39
3 PHILLIP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	42	47	45	46	40	38	42	33	42	35	43	35	48	52	47	52	47	47	47	39	50	40	47	42			
120-128 FORRESTER RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	36	40	38	39	33	31	35	31	40	33	35	28	39	43	38	43	38	38	38	37	48	38	38	33			
24 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	41	39	40	34	32	36	29	38	31	38	29	43	47	42	47	42	42	35	46	36	42	37				
7 WARATAH ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	38	42	40	41	35	33	37	29	38	31	37	30	44	48	43	48	43	43	36	47	37	43	38				
2/171-173 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	44	42	43	37	35	39	31	40	33	43	34	48	52	47	52	47	47	37	48	38	47	42				
8 KUNGALA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	47	45	46	40	38	42	36	45	38	43	35	50	54	49	54	49	49	49	43	54	44	49	44			
121 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	30	33	31	32	26	24	28	19	28	21	31	22	35	39	34	39	34	34	25	36	26	34	29				
330 GREAT WESTERN HWY, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	22	26	24	25	19	17	21	9	18	11	23	14	28	32	27	32	27	27	16	27	17	27	22				
80A GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	42	46	44	45	39	37	41	34	43	36	44	35	46	50	45	50	45	45	45	40	51	41	45	40			
49 KALANG AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	45	43	44	38	36	40	34	43	36	43	34	48	52	47	52	47	47	42	53	43	47	42				
50 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	37	35	36	30	28	32	24	33	26	31	25	39	43	38	43	38	38	31	42	32	38	33				
131 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	39	43	41	42	36	34	38	34	43	36	37	31	47	51	46	51	46	46	40	51	41	46	41				
6 DEBRINCAT AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	31	35	33	34	28	26	30	19	28	21	31	23	36	40	35	40	35	35	26	37	27	35	30				
40 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	29	33	31	32	26	24	28	21	30	23	28	21	36	40	35	40	35	35	29	40	30	35	30				
5 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	38	42	40	41	35	33	37	30	39	32	37	30	44	48	43	48	43	43	35	46	36	43	38				
70 HOBART ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16				
49 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	39	37	38	32	30	34	29	38	31	34	27	43	47	42	47	42	42	37	48	38	42	37				
21 CHAMPNESS CR, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16				
110A QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	36	40	38	39	33	31	35	27	36	29	37	28	41	45	40	45	40	40	33	44	34	40	35				
18A AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	35	39	37	38	32	30	34	25	34	27	35	27	38	42	37	42	37	37	31	42	32	37	32				
34 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	40	38	39	33	31	35	28	37	30	38	29	44	39	44	39	39	39	33	44	34	39	34				
137 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	42	40	41	35	33	37	29	38	31	38	30	45	49	44	49	44	44	36	47	37	44	39				
16 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	45	43	44	38	36	40	32	41	34	42	33	47	51	46	51	46	46	46	39	50	40	46	41			
15 WARREGO ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	41	39	40	34	32	36	30	39	32	34	29	45	49	44	49	44	44	37	48	38	44	39				
17 KALANG AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	34	38	36	37	31	29	33	24	33	26	33	26	40	44	39	44	39	39	31	42	32	39	34				
2/39 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	47	45	46	40	38	42	31	40	33	38	35	49	53	48	53	48	48	37	48	38	48	43				
18 CEDAR CR, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	30	34	32	33	27	25	29	19	28	21	31	22	35	39	34	39	34	34	25	36	26	34	29				
10 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	32	35	33	34	28	26	30	24	33	26	33	24	37	41	36	41	36	36	30	41	31	36	31				
26 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	34	38	36	37	31	29	33	29	38	31	33	26	41	45	40	45	40	40	37	48	38	40	35				
175 CANBERRA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	28	30	28	29	23	21	25	16	25	18	29	20	33	37	32	37	32	32	24	35	25	32	27				
19 WATTLE AV, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	33	37	35	36	30	28	32	27	36	29	32	25	39	43	38	43	38	38	35	46	36	38	33				
217 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	39	42	40	41	35	33	37	30	39	32	40	31	45	49	44	49	44	44	36	47	37	44	39				
2 ACACIA AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	41	45	43	44	38	36	40	33	42	35	40	33	45	49	44	49	44	44	38	49	39	44	39				
3 WATTLE AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	34	37	35	36	30	28	32	26	35	28	35	26	39	43	38	43	38	38	33	44	34	38	33				
46 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	10	21	11	21	16					
34 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	42	40	41	35	33	37	34	43	36	43	34	51	55	50	55	50	50	40	51	41	50	45				
19 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	29	38	31	36	32	47	51	46	51	46	46	36	47	37	46	41				
SYDNEY CITY MISSION FAMILY DAY CARE 50 GIDLEY ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	29	32	30	31	25	23	27	17	26	19	30	21	33	37	32	37	32	32	23	34	24	32	27				
3/183 CANBERRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	40	38	39	33	31	35	29	38	31	38	29	42	46	41	46	41	41	36	47	37	41	36				
35 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	32	35	33	34	28	26	30	22	31	24	33	24	39	43	38	43	38	38	29	40	30	38	33				
1 ANZAC ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	29	33	31	32	26	24	28	22	31	24	28	21	35	39	34	39	34	34	34	30	41	31	34	29			
30-32 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	59	63	61	62	56	54	58	52	61	54	56	51	67	71	66	71	66	66	60	71	61	66	61				
45 POPLAR ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	38	36	37	31	29	33	27	36	29	38	29	39	43	38	43	38	38	32	43	33	38	33				
9 BENALONG ST, ST MARYS NSW 2760																																							

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAmax)												
Address	Type	planning zone		RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfI	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	
UNIT 10 17 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	42	40	41	35	33	37	29	38	31	39	30	42	46	41	46	41	41	37	48	38	41	36		
91 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	-	-	65	39	43	41	42	36	34	38	34	43	36	37	31	45	49	44	49	44	44	44	42	53	43	44	39	
5/13 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	48	46	47	41	39	43	34	43	36	44	36	50	54	49	54	49	49	49	40	51	41	49	44	
26 CHAPEL ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	65	35	37	35	36	30	28	32	25	34	27	36	27	41	45	40	45	40	40	30	41	31	40	35		
7/3 STATION ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	61	65	63	64	58	56	60	50	59	52	59	53	67	71	66	71	66	66	66	57	68	58	66	61	
47 POPLAR ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	36	36	34	35	29	27	31	24	33	26	37	28	39	43	38	43	38	38	31	42	32	38	33		
6 NARANG PL, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	-	-	65	29	31	29	30	24	22	26	19	28	21	30	21	35	39	34	39	34	34	34	26	37	27	34	29	
5/38-40 PLASSER CR, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	-	-	65	44	48	46	47	41	39	43	35	44	37	41	36	49	53	48	53	48	48	43	54	44	48	43		
36 THOMPSON AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	65	29	33	31	32	26	24	28	18	27	20	30	21	34	38	33	38	33	33	24	35	25	33	28		
40 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	44	42	43	37	35	39	33	42	35	42	33	46	50	45	50	45	45	39	50	40	45	40		
35 KALANG AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	44	42	43	37	35	39	34	43	36	35	32	49	53	48	53	48	48	41	52	42	48	43		
5A PARKLAWN PL, NORTH ST MARYS NSW 2760	Commercial	Commercial/Business	NCA01	38	38	38	70	70	70	-	-	65	42	46	44	45	39	37	41	33	42	35	40	34	47	51	46	51	46	46	46	42	53	43	46	41	
184 CANBERRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	27	29	27	28	22	20	24	14	23	16	28	19	33	37	32	37	32	32	21	32	22	32	27		
SYDNEY CITY MISSION FAMILY DAY CARE 50 GIDLEY ST, ST	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	45	43	44	38	36	40	33	42	35	42	33	45	49	44	49	44	44	39	50	40	44	39		
185 CANBERRA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	65	28	32	30	31	25	23	27	16	25	18	29	20	33	37	32	37	32	32	23	34	24	32	27		
56 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	37	35	36	30	28	32	28	37	30	34	25	42	46	41	46	41	41	36	47	37	41	36		
21 WARREGO ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	65	32	36	34	35	29	27	31	26	35	28	29	24	40	44	39	44	39	39	32	43	33	39	34		
ST MARYS SENIOR HIGH SCHOOL 6-50 KALANG AV, ST MAR	Educational	Residential	NCA02	37	37	36	55	55	55	-	-	65	35	39	37	38	32	30	34	29	38	31	33	27	42	46	41	46	41	41	35	46	36	41	36		
46 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	43	44	42	43	37	35	39	33	42	35	44	35	48	52	47	52	47	47	39	50	40	47	42		
33-37 PLASSER CR, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	-	-	65	46	45	43	44	38	36	40	35	44	37	47	38	52	56	51	56	51	51	51	42	53	43	51	46	
5 BROCK AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	29	31	29	30	24	22	26	15	24	17	30	21	33	37	32	37	32	32	21	32	22	32	27		
61 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	30	39	32	37	32	48	52	47	52	47	47	36	47	37	47	42		
4 STAPLETON PDE, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	32	34	32	33	27	25	29	22	31	24	33	24	40	44	39	44	39	39	28	39	29	39	34		
57 AUSTRALIA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	65	30	33	31	32	26	24	28	19	28	21	31	22	37	41	36	41	36	36	26	37	27	36	31		
54 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	41	39	40	34	32	36	29	38	31	39	30	43	47	42	47	42	42	35	46	36	42	37		
119 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	30	34	32	33	27	25	29	22	31	24	31	22	36	40	35	40	35	28	39	29	35	30			
51 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	65	34	38	36	37	31	29	33	27	36	29	30	26	39	43	38	43	38	38	35	46	36	38	33		
2 ELM ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	65	28	32	30	31	25	23	27	21	30	23	29	20	35	39	34	39	34	34	27	38	28	34	29		
16 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	65	34	34	32	33	27	25	29	23	32	25	35	26	36	40	35	40	35	35	30	41	31	35	30		
29 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	38	42	40	41	35	33	37	31	40	33	38	30	44	48	43	48	43	43	37	48	38	43	38		
48-48A GIDLEY ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	40	38	39	33	31	35	29	38	31	38	29	41	45	40	45	40	40	35	46	36	40	35		
12 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	37	35	36	30	28	32	24	33	26	37	28	44	48	43	48	43	43	32	43	33	43	38		
1 BROCK AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	46	44	45	39	37	41	33	42	35	45	36	50	54	49	54	49	49	39	50	40	49	44		
43 CARINYA AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	65	39	43	41	42	36	34	38	30	39	32	38	31	43	47	42	47	42	42	35	46	36	42	37		
11 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	34	38	36	37	31	29	33	27	36	29	33	26	38	42	37	42	37	37	33	44	34	37	32		
13 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	37	35	36	30	28	32	27	36	29	32	25	42	46	41	46	41	41	35	46	36	41	36		
21 PHILLIP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	65	45	46	44	45	39	37	41	33	42	35	46	37	53	57	52	57	52	52	41	52	42	52	47		
48 AUSTRALIA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	65	35	38	36	37	31	29	33	28	37	30	36	27	43	47	42	47	42	42	42	42	33	43	33	42	37
145-147 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	-	-	65	40	43	41	42	36	34	38	33	42	35	41	32	44	48	43	48	43	43	38	49	39	43	38		
6 CHESHAM ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	53	57	55	56	50	48	52	43	52	45	53	45	59	63	58	63	58	58	49	60	50	58	53		
29 LITTLE CHAPEL ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	65	37	38	36	37	31	29	33	27	36	29	38	29	43	47	42	47	42	42	42	35	46	36	42	37	
33 CARINYA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	40	38	39	33	31	35	28	37	30	37	28	42	46	41	46	41	41	35	46	36	41	36		
12 CEDAR CR, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	65	36	40	38	39	33	31	35	28	37	30	35	28	41	45	40	45	40	40	34	45	35	40	35		
ST MARYS RAILWAY STATION SHOP 2 63 STATION ST, NOR	Commercial	Transport/Infrastructure	NCA01	38	38	38	70	70	70	-	-	65	63	67	65	66	60	58	62	52	61	54	57	55	69	73	68	73	68	68	59	70	60	68	63		

Receiver Details			NCA	Background Noise Level			Noise management Levels					Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAmax)												
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfi	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
54 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	37	35	36	30	28	32	28	37	30	37	28	43	47	42	47	42	42	42	35	46	36	42	37
9 KURRAJONG RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	38	37	35	36	30	28	32	29	38	31	39	30	44	48	43	48	43	43	36	47	37	43	38	
1/19-21 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	33	35	33	34	28	26	30	21	30	23	34	25	39	43	38	43	38	38	29	40	30	38	33	
70A CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	29	33	31	32	26	24	28	23	32	25	28	21	36	40	35	40	35	35	30	41	31	35	30	
17 WATTLE AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	37	35	36	30	28	32	27	36	29	32	25	40	44	39	44	39	39	34	45	35	39	34	
10 PARKLAWN PL, NORTH ST MARYS NSW 2760	Commercial	Commercial/Business	NCA01	38	38	38	70	70	70	70	-	-	41	45	43	44	38	36	40	31	40	33	37	33	47	51	46	51	46	46	37	48	38	46	41	
46 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	42	46	44	45	39	37	41	31	40	33	40	34	48	52	47	52	47	47	39	50	40	47	42	
45 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	29	33	31	32	26	24	28	24	33	26	29	21	36	40	35	40	35	35	35	33	44	34	35	30
THE VILLAGE SHOPPING CENTRE 10 CHARLES HACKETT DR,	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	45	49	47	48	42	40	44	36	45	38	45	37	51	55	50	55	50	50	42	53	43	50	45	
20 ACACIA AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
47 PHILLIP ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	64	68	66	67	61	59	63	53	62	55	62	56	71	75	70	75	70	70	61	72	62	70	65	
ST MARYS SENIOR HIGH SCHOOL 6-50 KALANG AV, ST MAR	Educational	Residential	NCA02	37	37	36	55	55	55	55	-	-	42	46	44	45	39	37	41	33	42	35	38	34	49	53	48	53	48	48	41	52	42	48	43	
11 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	48	51	49	50	44	42	46	38	47	40	49	40	55	59	54	59	54	54	44	55	45	54	49	
14 KUNGALA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	42	40	41	35	33	37	30	39	32	36	30	43	47	42	47	42	42	37	48	38	42	37	
14 BENALONG ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	40	38	39	33	31	35	28	37	30	35	28	42	46	41	46	41	41	35	46	36	41	36	
11 BROCK AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	38	36	37	31	29	33	26	35	28	37	28	41	45	40	45	40	40	31	42	32	40	35	
17 CHAMPNESS CR, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	44	43	41	42	36	34	38	33	42	35	45	36	52	56	51	56	51	51	40	51	41	51	46	
5 TELFORD PL, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	39	43	41	42	36	34	38	33	42	35	36	31	43	47	42	47	42	42	38	49	39	42	37	
16 WARREGO ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	32	34	32	33	27	25	29	26	35	28	33	24	39	43	38	43	38	38	35	46	36	38	33	
14 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	37	35	36	30	28	32	24	33	26	33	25	38	42	37	42	37	37	30	41	31	37	32	
46 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	39	37	38	32	30	34	30	39	32	36	27	43	47	42	47	42	42	37	48	38	42	37	
1/30 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	38	36	37	31	29	33	28	37	30	38	29	41	45	40	45	40	40	32	43	33	40	35	
68 HOBART ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	33	37	35	36	30	28	32	24	33	26	32	25	39	43	38	43	38	38	31	42	32	38	33	
36 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	38	42	40	41	35	33	37	32	41	34	36	30	44	48	43	48	43	43	40	51	41	43	38	
10/142-144 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	35	37	35	36	30	28	32	26	35	28	36	27	43	47	42	47	42	42	34	45	35	42	37	
70 HOBART ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	32	36	34	35	29	27	31	20	29	22	30	24	36	40	35	40	35	35	35	26	37	27	35	30
91 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	45	47	45	46	40	38	42	35	44	37	46	37	47	51	46	51	46	46	40	51	41	46	41	
14 LETHBRIDGE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	48	50	48	49	43	41	45	36	45	38	49	40	55	59	54	59	54	54	43	54	44	54	49	
10 TELFORD PL, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	43	47	45	46	40	38	42	37	46	39	43	35	50	54	49	54	49	49	45	56	46	49	44	
39 CARINYA AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	34	38	36	37	31	29	33	23	32	25	34	26	40	44	39	44	39	39	31	42	32	39	34	
34 CEDAR CR, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	31	34	32	33	27	25	29	21	30	23	32	23	38	42	37	42	37	37	28	39	29	37	32	
43 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	42	40	41	35	33	37	28	37	30	38	30	45	49	44	49	44	44	35	46	36	44	39	
23 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	34	38	36	37	31	29	33	25	34	27	35	26	40	44	39	44	39	39	31	42	32	39	34	
7 CAMIRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	45	44	42	43	37	35	39	33	42	35	46	37	45	49	44	49	44	44	40	51	41	44	39	
145A BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	28	32	30	31	25	23	27	16	25	18	29	20	33	37	32	37	32	32	23	34	24	32	27	
14-16 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	56	60	58	59	53	51	55	47	56	49	54	48	63	67	62	67	62	62	53	64	54	62	57	
49 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	30	28	26	27	21	19	23	15	24	17	31	22	30	34	29	34	29	29	26	37	27	29	24	
1/143 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	35	38	36	37	31	29	33	27	36	29	36	27	38	42	37	42	37	37	35	46	36	37	32	
7 CEDAR CR, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	41	45	43	44	38	36	40	32	41	34	41	33	48	52	47	52	47	47	38	49	39	47	42	
UNIT 2 186-188 ADELAIDE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	40	38	39	33	31	35	32	41	34	41	32	48	52	47	52	47	47	38	49	39	47	42	
373 GREAT WESTERN HWY, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	37	40	38	39	33	31	35	31	40	33	38	29	43	47	42	47	42	42	37	48	38	42	37	
2/19 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	39	37	38	32	30	34	27	36	29	37	28	41	45	40	45	40	40	34	45	35	40	35	
ST MARYS SENIOR HIGH SCHOOL 6-50 KALANG AV, ST MAR	Educational	Residential	NCA02	37	37	36	55	55	55	55	-	-	47	51	49	50	44	42	46	38	47	40	43	39	52	56	51	56	51	51	45	56	46	51	46	
6 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	44	42	43	37	35	39	31	40	33	42	33	47	51	46	51	46	46	37	48	38	46	41	
39 CATALINA ST, NORTH ST MARYS NSW 27																																				

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAmax)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfl	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
14 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	37	35	36	30	28	32	27	36	29	33	25	39	43	38	43	38	38	33	44	34	38	33	
79 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	41	45	43	44	38	36	40	35	44	29	41	33	48	52	47	52	47	47	43	54	44	47	42	
16 ROSS PL, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	43	44	42	43	37	35	39	32	41	34	44	35	51	55	50	55	50	50	39	50	40	50	45	
299-311 GREAT WESTERN HWY, ST MARYS NSW 2760	Place of Worship	Community Use	NCA02	37	37	36	55	55	55	55	-	-	25	28	26	27	21	19	23	11	20	13	26	17	30	34	29	34	29	29	18	29	19	29	24	
14 STAPLETON PDE, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	43	41	42	36	34	38	33	42	35	44	35	49	53	48	53	48	48	39	50	40	48	43	
THE HAMILTON 9/308-310 GREAT WESTERN HWY, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	43	41	42	36	34	38	30	39	32	42	33	46	50	45	50	45	45	35	46	36	45	40	
30/17-19 KURRAJONG RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	43	42	40	41	35	33	37	33	42	35	44	35	49	53	48	53	48	48	40	51	41	48	43	
3/22 PARKLAWN PL, NORTH ST MARYS NSW 2760	Commercial	Commercial/Business	NCA01	38	38	38	70	70	70	70	-	-	43	47	45	46	40	38	42	34	43	36	40	35	48	52	47	52	47	47	41	52	42	47	42	
15 NARIEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	45	43	44	38	36	40	36	45	38	40	33	49	53	48	53	48	48	44	55	45	48	43	
31 BIRCH ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	36	40	38	39	33	31	35	28	37	30	37	28	43	47	42	47	42	42	34	45	35	42	37	
47 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	40	38	39	33	31	35	30	39	32	39	30	46	50	45	50	45	45	37	48	38	45	40	
13 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	28	32	30	31	25	23	27	20	29	22	29	20	34	38	33	38	33	33	28	39	29	33	28	
3 ANZAC ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	29	33	31	32	26	24	28	19	28	21	29	21	34	38	33	38	33	33	25	36	26	33	28	
7 BROCK AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	43	41	42	36	34	38	32	41	34	41	32	44	48	43	48	43	43	39	50	40	43	38	
37 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	45	43	44	38	36	40	34	43	36	44	35	49	53	48	53	48	48	40	51	41	48	43	
100 FORRESTER RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	33	36	34	35	29	27	31	28	37	30	34	25	39	43	38	43	38	38	35	46	36	38	33	
179 CANBERRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	41	39	40	34	32	36	29	38	31	39	30	42	46	41	46	41	41	36	47	37	41	36	
9 ELM ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	32	36	34	35	29	27	31	25	34	27	31	24	39	43	38	43	38	38	32	43	33	38	33	
18 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	42	40	41	35	33	37	33	42	35	42	33	48	52	47	52	47	47	38	49	39	47	42	
49 POPLAR ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	37	40	38	39	33	31	35	28	37	30	38	29	43	47	42	47	42	42	34	45	35	42	37	
8 DEBRINCAT AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	37	35	36	30	28	32	23	32	25	32	25	38	42	37	42	37	37	31	42	32	37	32	
82 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	44	44	42	43	37	35	39	32	41	34	45	36	48	52	47	52	47	47	38	49	39	47	42	
68 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	29	33	31	32	26	24	28	22	31	24	29	21	35	39	34	39	34	34	28	39	29	34	29	
40-42 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	28	32	30	31	25	23	27	20	29	22	28	20	34	38	33	38	33	33	28	39	29	33	28	
3 KURRAJONG RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	41	43	41	42	36	34	38	31	40	33	42	33	43	47	42	47	42	42	37	48	38	42	37	
7-11 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	57	55	53	54	48	46	50	42	51	44	58	49	62	66	61	66	61	61	50	61	51	61	56	
24 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	30	34	32	33	27	25	29	22	31	24	30	22	36	40	35	40	35	35	29	40	30	35	30	
158 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	34	37	35	36	30	28	32	25	34	27	35	26	39	43	38	43	38	38	32	43	33	38	33	
341 GREAT WESTERN HWY, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	27	29	27	28	22	20	24	13	22	15	28	19	31	35	30	35	30	30	19	30	20	30	25	
67 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	43	47	45	46	40	38	42	31	40	33	43	35	48	52	47	52	47	47	36	47	37	47	42	
4/130 FORRESTER RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	32	36	34	35	29	27	31	29	38	31	33	24	38	42	37	42	37	37	36	47	37	37	32	
16 AUSTRALIA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	29	33	31	32	26	24	28	18	27	20	30	21	34	38	33	38	33	33	24	35	25	33	28	
6 ACACIA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	43	41	42	36	34	38	31	40	33	39	31	46	50	45	50	45	45	39	50	40	45	40	
7 MAMRE RD, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	27	30	28	29	23	21	25	15	24	17	28	19	32	36	31	36	31	31	21	32	22	31	26	
14 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	45	43	44	38	36	40	30	39	32	42	33	47	51	46	51	46	46	36	47	37	46	41	
8 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	47	45	46	40	38	42	33	42	35	42	35	50	54	49	54	49	49	41	52	42	49	44	
2A WATTLE AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	37	35	36	30	28	32	26	35	28	32	25	42	46	41	46	41	41	35	46	36	41	36	
187-189 ADELAIDE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	39	37	38	32	30	34	29	38	31	40	31	47	51	46	51	46	46	36	47	37	46	41	
10 WILGA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	36	40	38	39	33	31	35	28	37	30	37	28	42	46	41	46	41	41	34	45	35	41	36	
3 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	38	42	40	41	35	33	37	30	39	32	37	30	46	50	45	50	45	45	37	48	38	45	40	
14 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	36	40	38	39	33	31	35	30	39	32	35	28	43	47	42	47	42	42	38	49	39	42	37	
19 PHILLIP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	45	48	46	47	41	39	43	35	44	37	46	37	51	55	50	55	50	50	42	53	43	50	45	
9 WILGA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	37	41	39	40	34	32	36	28	37	30	37	29	43	47	42	47	42	42	34	45	35	42	37	
8 MERINDA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	42	40	41	35	33	37	29	38	31	37	30	45	49	44	49	44	44	36	47	37	44	39	
8 TELFORD PL, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01																																	

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (L _{Aeq})												Predicted Noise Levels - Construction Scenarios (L _{Amax})											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfl	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
39 CARINYA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	47	45	46	40	38	42	35	44	37	44	35	49	53	48	53	48	48	42	53	43	48	43	
11 WATTLE AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	30	34	32	33	27	25	29	25	34	27	30	22	36	40	35	40	35	35	33	44	34	35	30	
55 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	41	39	40	34	32	36	27	36	29	33	29	45	49	44	49	44	44	44	34	45	35	44	39
6/67 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	33	33	31	32	26	24	28	25	34	27	34	25	41	45	40	45	40	40	31	42	32	40	35	
54 AUSTRALIA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	27	29	27	28	22	20	24	14	23	16	28	19	34	38	33	38	33	33	22	33	23	33	28	
1/69 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	34	34	32	33	27	25	29	25	34	27	35	26	41	45	40	45	40	40	31	42	32	40	35	
2 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	50	52	50	51	45	43	47	40	49	42	51	42	58	62	57	62	57	57	46	57	47	57	52	
79 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
2A KURRAJONG RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	42	46	44	45	39	37	41	34	43	36	43	34	50	54	49	54	49	49	40	51	41	49	44	
11 WARATAH ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	35	39	37	38	32	30	34	25	34	27	34	27	41	45	40	45	40	40	32	43	33	40	35	
19 LETHBRIDGE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	50	53	51	52	46	44	48	40	49	42	51	42	56	60	55	60	55	55	47	58	48	55	50	
75 CARINYA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	44	42	43	37	35	39	35	44	37	45	36	49	53	48	53	48	48	48	45	56	46	48	43
UNIT 1 30A GIDLEY ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	31	34	32	33	27	25	29	19	28	21	32	23	36	40	35	40	35	35	25	36	26	35	30	
2 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	29	33	31	32	26	24	28	19	28	21	29	21	35	39	34	39	34	34	25	36	26	34	29	
120 GLOSSOP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	35	39	37	38	32	30	34	25	34	27	35	27	43	47	42	47	42	42	35	46	36	42	37	
5/17 AUSTRALIA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	33	36	34	35	29	27	31	20	29	22	34	25	38	42	37	42	37	37	28	39	29	37	32	
ST MARYS NORTH PUBLIC SCHOOL 24-40 WILLOW RD, NOR	Educational	Residential	NCA01	38	38	38	55	55	55	55	-	-	39	43	41	42	36	34	38	30	39	32	35	31	45	49	44	49	44	44	37	48	38	44	39	
6/160 BRISBANE ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
152 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	41	39	40	34	32	36	30	39	32	42	33	49	53	48	53	48	48	48	37	48	38	48	43
8 WILGA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	34	38	36	37	31	29	33	27	36	29	35	26	41	45	40	45	40	40	34	45	35	40	35	
37 KENNY AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	38	42	40	41	35	33	37	27	36	29	36	30	43	47	42	47	42	42	33	44	34	42	37	
21 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	43	41	42	36	34	38	30	39	32	42	33	47	51	46	51	46	46	46	47	37	46	41	
21 BIRCH ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	40	44	42	43	37	35	39	31	40	33	41	32	47	51	46	51	46	46	46	37	48	38	46	41
36 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	40	38	39	33	31	35	29	38	31	40	31	45	49	44	49	44	44	35	46	36	44	39	
12 KUNGALA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	32	36	34	35	29	27	31	22	31	24	32	24	36	40	35	40	35	35	26	37	27	35	30	
6 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	37	35	36	30	28	32	26	35	28	33	25	38	42	37	42	37	37	33	44	34	37	32	
2/2A COLLINS ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	41	39	40	34	32	36	30	39	32	40	31	47	51	46	51	46	46	46	36	47	37	46	41
7 MAMRE RD, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	25	29	27	28	22	20	24	13	22	15	26	17	31	35	30	35	30	30	19	30	20	30	25	
16 KUNGALA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	41	39	40	34	32	36	31	40	33	37	29	43	47	42	47	42	42	37	48	38	42	37	
90 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	40	41	39	40	34	32	36	27	36	29	41	32	50	54	49	54	49	49	41	52	42	49	44	
24-26 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	62	66	64	65	59	57	61	51	60	53	59	54	68	72	67	72	67	67	58	69	59	67	62	
3 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	30	34	32	33	27	25	29	25	34	27	29	22	36	40	35	40	35	35	31	42	32	35	30	
1-3 PRINCESS MARY ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	30	34	32	33	27	25	29	22	31	24	31	22	37	41	36	41	36	36	29	40	30	36	31	
63 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	31	35	33	34	28	26	30	26	35	28	29	23	39	43	38	43	38	38	33	44	34	38	33	
8/159 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	27	30	28	29	23	21	25	14	23	16	28	19	32	36	31	36	31	31	21	32	22	31	26	
33 KING ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	39	41	39	40	34	32	36	28	37	30	40	31	44	48	43	48	43	43	33	44	34	43	38	
52 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	46	50	48	49	43	41	45	37	46	39	43	38	52	56	51	56	51	51	43	54	44	51	46	
83-91 LEE HOLM RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	23	27	25	26	20	18	22	13	22	15	24	15	30	34	29	34	29	29	20	31	21	29	24	
3 ELM ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	29	33	31	32	26	24	28	23	32	25	29	21	36	40	35	40	35	35	29	40	30	35	30	
107 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	49	53	51	52	46	44	48	38	47	40	49	41	54	58	53	58	53	53	46	57	47	53	48	
27 FORTHORN PL, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	43	47	45	46	40	38	42	35	44	37	42	35	48	52	47	52	47	47	41	52	42	47	42	
ST MARYS DELIVERY CENTRE 5 KURRAJONG RD, NORTH ST	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	37	33	31	32	26	24	28	20	29	22	38	29	47	51	46	51	46	46	46	35	46	36	46	41
129 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	30	34	32	33	27	25	29	25	34	27	29	22	36	40	35	40	35	35	32	43	33	35	30	
30 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	44	42	43	37	35	39	34	43	36	44	35	49	53	48	53	48	48	41	52	42	48	43	
4/6 CRANA ST, ST MARYS NSW 2760																																				

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAmux)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfl	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
3/6 CRANA ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	34	37	35	36	30	28	32	25	34	27	35	26	38	42	37	42	37	37	37	32	43	33	37	32
18 WARREGO ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	35	33	34	28	26	30	26	35	28	34	25	38	42	37	42	37	37	37	32	43	33	37	32
2/159 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	39	37	38	32	30	34	27	36	29	39	30	45	49	44	49	44	44	44	33	44	34	44	39
12 NARIEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	41	39	40	34	32	36	27	36	29	35	29	44	48	43	48	43	43	36	47	37	43	38	
25 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	43	41	42	36	34	38	28	37	30	41	32	46	50	45	50	45	45	45	34	45	35	45	40
2 MERINDA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	44	42	43	37	35	39	32	41	34	39	32	45	49	44	49	44	44	39	50	40	44	39	
45 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	62	45	43	44	38	36	40	36	45	38	63	54	71	75	70	75	70	70	59	70	60	70	65	
STATION STREET PLAZA 33-43 PHILLIP ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	57	61	59	60	54	52	56	47	56	49	54	49	63	67	62	67	62	62	54	65	55	62	57	
59 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	35	39	37	38	32	30	34	23	32	25	35	27	41	45	40	45	40	40	30	41	31	40	35	
36 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	26	24	28	19	28	21	31	22	37	41	36	41	36	36	36	26	37	27	36	31
6 GLOSSOP ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	32	36	34	35	29	27	31	24	33	26	32	24	38	42	37	42	37	37	37	31	42	32	37	32
31 KUNGALA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	42	40	41	35	33	37	32	41	34	36	30	43	47	42	47	42	42	39	50	40	42	37	
7 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	32	36	34	35	29	27	31	27	36	29	32	24	40	44	39	44	39	39	39	36	47	37	39	34
291 GREAT WESTERN HWY, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	34	34	32	33	27	25	29	24	33	26	35	26	40	44	39	44	39	39	39	30	41	31	39	34
26-28 PLASSER CR, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	40	37	35	36	30	28	32	25	34	27	41	32	47	51	46	51	46	46	46	35	46	36	46	41
THE LUCKY AUSTRALIAN TAVERN 81 FORRESTER RD, NORTH ST MARYS NSW 2760	Hotel	Industrial/Utilities	NCA01	38	38	38	70	70	70	60	-	-	33	37	35	36	30	28	32	26	35	28	34	25	40	44	39	44	39	39	39	33	44	34	39	34
2 ELM ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	32	36	34	35	29	27	31	26	35	28	32	24	39	43	38	43	38	38	33	44	34	38	33	
13 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	29	32	30	31	25	23	27	20	29	22	30	21	34	38	33	38	33	33	28	39	29	33	28	
1 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	26	28	26	27	21	19	23	12	21	14	27	18	32	36	31	36	31	31	20	31	21	31	26	
8 ACACIA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	40	38	39	33	31	35	25	34	27	36	28	42	46	41	46	41	41	31	42	32	41	36	
9 BROCK AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	28	31	29	30	24	22	16	15	24	17	29	20	33	37	32	37	32	32	21	32	22	32	27	
18A AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
43 POPLAR ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	38	40	38	39	33	31	35	29	38	31	39	30	40	44	39	44	39	39	39	34	45	35	39	34
15 WATTLE AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	41	39	40	34	32	36	31	40	33	35	29	43	47	42	47	42	42	38	49	39	42	37	
18 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	39	37	38	32	30	34	30	39	32	35	27	41	45	40	45	40	40	38	49	39	40	35	
SOUTH CREEK PARK 2 THE KINGSWAY, ST MARYS NSW 2760	Active Recreation	Recreational/Open Space	NCA02	37	37	36	65	65	65	65	-	-	39	43	41	42	36	34	38	31	40	33	39	31	46	50	45	50	45	45	38	49	39	45	40	
UNIT 9 15 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	45	43	44	38	36	40	33	42	35	40	33	45	49	44	49	44	44	39	50	40	44	39	
31 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	39	43	41	42	36	34	38	30	39	32	37	31	44	48	43	48	43	43	36	47	37	43	38	
10 CHESHAM ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	49	53	51	52	46	44	48	37	46	39	48	41	56	60	55	60	55	55	44	55	45	55	50	
1 PHILLIP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	50	54	52	53	47	45	49	39	48	41	49	42	55	59	54	59	54	54	45	56	46	54	49	
69 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	40	43	41	42	36	34	38	30	39	32	41	32	46	50	45	50	45	45	35	46	36	45	40	
1/14 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	41	39	40	34	32	36	29	38	31	34	29	39	43	38	43	38	38	33	44	34	38	33	
16-18 PARKLAWN PL, NORTH ST MARYS NSW 2760	Commercial	Commercial/Business	NCA01	38	38	38	70	70	70	70	-	-	33	37	35	36	30	28	32	26	35	28	30	25	38	42	37	42	37	42	32	43	33	37	32	
21 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	58	62	60	61	55	53	57	50	59	52	52	50	64	68	63	68	63	63	63	57	68	58	63	58
7 ROSS PL, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	41	44	42	43	37	35	39	32	41	34	42	33	47	51	46	51	46	46	46	39	50	40	46	41
6-8 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	55	59	57	58	52	50	54	43	52	45	47	47	60	64	59	64	59	59	50	61	51	59	54	
87 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	42	46	44	45	39	37	41	35	44	37	43	34	51	55	50	55	50	50	42	53	43	50	45	
139 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	31	35	33	34	28	26	30	21	30	23	30	23	35	39	34	39	34	34	28	39	29	34	29	
64 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	31	35	33	34	28	26	30	27	36	29	32	23	38	42	37	42	37	37	32	43	33	37	32	
6 BENALONG ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	38	42	40	41	35	33	37	29	38	31	38	30	43	47	42	47	42	42	34	45	35	42	37	
335 GREAT WESTERN HWY, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	41	45	43	44	38	36	40	32	41	34	42	33	48	52	47	52	47	47	39	50	40	47	42	
150 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	39	37	38	32	30	34	28	37	30	41	32	48	52	47	52	47	47	36	47	37	47	42	
42 KENNY AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	40	38	39	33	31	35	26	35	28	35	28	42	46	41	46	41	41	34	45	35	41	36	
2/140 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	45	43	44	38	36	40	34																

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (L _{Aeq})												Predicted Noise Levels - Construction Scenarios (L _{Amax})											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfi	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
17 PARKLAWN PL, NORTH ST MARYS NSW 2760	Commercial	Commercial/Business	NCA01	38	38	38	70	70	70	70	-	-	42	46	44	45	39	37	41	35	44	37	39	34	49	53	48	53	48	48	48	41	52	42	48	43
35 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	38	36	37	31	29	33	25	34	27	38	29	43	47	42	47	42	42	31	42	32	42	37	
SYDNEY CITY MISSION FAMILY DAY CARE 50 GIDLEY ST, ST 6 CEDAR CR, NORTH ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	30	33	31	32	26	24	28	19	28	21	31	22	34	38	33	38	33	33	33	24	35	25	33	28
80A GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	43	43	41	42	36	34	38	30	39	32	44	35	45	49	44	49	44	44	34	35	46	36	44	39
22 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	47	45	46	40	38	42	34	43	36	45	36	51	55	50	55	50	50	40	51	41	50	45	
182 CANBERRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	34	37	35	36	30	28	32	24	33	26	35	26	40	44	39	44	39	39	29	40	30	39	34	
121 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	28	32	30	31	25	23	27	20	29	22	29	20	34	38	33	38	33	33	25	36	26	33	28	
25 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	73	70	68	69	63	61	65	55	64	57	74	65	79	83	78	83	78	78	67	78	68	78	73	
58 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	26	30	28	29	23	21	25	14	23	16	27	18	33	37	32	37	32	21	32	22	32	27		
40 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	41	45	43	44	38	36	40	31	40	33	38	33	48	52	47	52	47	47	37	48	38	47	42	
13 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	39	37	38	32	30	34	28	37	30	34	27	40	44	39	44	39	39	34	45	35	39	34	
20 WARREGO ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	38	42	40	41	35	33	37	31	40	33	36	30	45	49	44	49	44	44	34	47	48	38	44	39
4/111-113 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	46	50	48	49	43	41	45	37	46	39	47	38	51	55	50	55	50	50	44	55	45	50	45	
2/24-26 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	62	66	64	65	59	57	61	52	61	54	60	54	68	72	67	72	67	67	59	70	60	67	62	
152 BRISBANE ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	31	34	32	33	27	25	29	19	28	21	32	23	36	40	35	40	35	35	24	35	25	35	30	
21 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	42	41	39	40	34	32	36	26	35	28	43	34	44	48	43	48	43	43	33	44	34	43	38	
11-14 NARANG PL, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	37	38	36	37	31	29	33	33	42	35	38	29	42	46	41	46	41	41	40	51	41	41	36	
6 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	63	67	65	66	60	58	62	53	62	55	59	55	70	74	69	74	69	69	60	71	61	69	64	
60 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	44	48	46	47	41	39	43	34	43	36	42	36	49	53	48	53	48	48	41	52	42	48	43	
31 KING ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	39	40	38	39	33	31	35	28	37	30	40	31	44	48	43	48	43	43	33	44	34	43	38	
2/3-5 STAPLETON PDE, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	30	32	30	31	25	23	27	17	26	19	31	22	37	41	36	41	36	36	25	36	26	36	31	
11 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	26	30	28	29	23	21	25	16	25	18	26	18	32	36	31	36	31	31	23	34	24	31	26	
5/142-144 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	41	39	40	34	32	36	31	40	33	42	33	48	52	47	52	47	47	38	49	39	47	42	
10A FORRESTER RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	53	42	40	41	35	33	37	28	37	30	54	45	58	62	57	62	57	57	46	57	47	57	52	
4 ANZAC ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	31	35	33	34	28	26	30	24	33	26	31	23	38	42	37	42	37	37	33	44	34	37	32	
19-21 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	39	37	38	32	30	34	27	36	29	37	28	42	46	41	46	41	41	34	45	35	41	36	
7 STAPLETON PDE, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	42	40	41	35	33	37	33	42	35	43	34	49	53	48	53	48	48	39	50	40	48	43	
2/3 KURRAJONG RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	47	44	42	43	37	35	39	36	45	38	48	39	52	56	51	56	51	51	42	53	43	51	46	
10 BENALONG ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	35	39	37	38	32	30	34	25	34	27	32	27	41	45	40	45	40	40	33	44	34	40	35	
34 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	27	31	29	30	24	22	26	18	27	20	26	19	33	37	32	37	32	32	26	37	27	32	27	
1 ARALUEN AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	46	44	45	39	37	41	35	44	37	41	34	48	52	47	52	47	47	42	53	43	47	42	
6 ANZAC ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	36	40	38	39	33	31	35	28	37	30	34	28	44	48	43	48	43	43	35	46	36	43	38	
150 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	35	39	37	38	32	30	34	25	34	27	36	27	41	45	40	45	40	40	31	42	32	40	35	
25 THOMPSON AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	33	37	35	36	30	28	32	24	33	26	33	25	40	44	39	44	39	39	33	44	34	39	34	
30 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	26	29	27	28	22	20	24	13	22	15	27	18	32	36	31	36	31	31	21	32	22	31	26	
7 CHESHAM ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	47	51	49	50	44	42	46	36	45	38	47	39	50	54	49	54	49	49	41	52	42	49	44	
67 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	45	49	47	48	42	40	44	36	45	38	42	37	50	54	49	54	49	49	41	52	42	49	44	
36 BIRCH ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	26	29	27	28	22	20	24	14	23	16	27	18	31	35	30	35	30	30	19	30	20	30	25	
50 KING ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	41	43	41	42	36	34	38	31	40	33	42	33	48	52	47	52	47	47	37	48	38	47	42	
42 KENNY AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	40	38	39	33	31	35	26	35	28	36	28	43	47	42	47	42	42	34	45	35	42	37	
8 PHILLIP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	38	42	40	41	35	33	37	26	35	28	38	30	43	47	42	47	42	42	33	44	34	42	37	
32 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	42	40	41	35	33	37	28	37	30	41	32	45	49	44	49	44	44	34	45	35	44	39	
72 GLOSSOP ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	41	45	43	44	38	36	40	31	40	33	42	33	48	52	47	52	47	47	38	49	39	47	42	
181 CANBERRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	43	41	42	36	34	38																	

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAmax)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfl	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
76 HOBART ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	48	46	47	41	39	43	35	44	37	43	36	49	53	48	53	48	48	48	42	53	43	48	43
2/11 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	37	35	36	30	28	32	23	32	25	37	28	44	48	43	48	43	43	42	43	33	43	38	
10 KURRAJONG RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	41	39	40	34	32	36	28	37	30	37	29	43	47	42	47	42	42	34	45	35	42	37	
17 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	28	32	30	31	25	23	27	19	28	21	28	20	34	38	33	38	33	33	33	26	37	27	33	28
22 PRINCESS MARY ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	28	31	29	30	24	22	26	17	26	19	29	20	34	38	33	38	33	33	33	25	36	26	33	28
16 LETHBRIDGE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	34	36	34	35	29	27	31	20	29	22	35	26	41	45	40	45	40	40	29	40	30	40	35	
11 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	42	46	44	45	39	37	41	30	39	32	42	34	47	51	46	51	46	46	35	46	36	46	41	
2-10 CARINYA AV, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	31	35	33	34	28	26	30	23	32	25	32	23	37	41	36	41	36	36	29	40	30	36	31	
41 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	27	31	29	30	24	22	26	19	28	21	26	19	33	37	32	37	32	32	25	36	26	32	27	
44 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	42	46	44	45	39	37	41	34	43	36	39	34	50	54	49	54	49	49	42	53	43	49	44	
10 FORRESTER RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	45	41	39	40	34	32	36	32	41	34	46	37	55	59	54	59	54	54	43	54	44	54	49	
ST MARYS PUBLIC SCHOOL 2-6 PRINCESS MARY ST, ST MARYS NSW 2760	Educational	Mixed Use	NCA02	37	37	36	55	55	55	55	-	-	36	40	38	39	33	31	35	30	39	32	37	28	43	47	42	47	42	42	36	47	37	42	37	
7 PLASSER CR, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	40	44	42	43	37	35	39	31	40	33	41	32	46	50	45	50	45	45	36	47	37	45	40	
40 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	41	42	40	41	35	33	37	30	39	32	42	33	43	47	42	47	42	42	36	47	37	42	37	
47 BIRCH ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	41	43	41	42	36	34	38	29	38	31	42	33	46	50	45	50	45	45	35	46	36	45	40	
24 PHILLIP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	48	47	45	46	40	38	42	35	44	37	49	40	56	60	55	60	55	55	44	55	45	55	50	
72 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	28	32	30	31	25	23	27	20	29	22	27	20	35	39	34	39	34	34	26	37	27	34	29	
25-27 PLASSER CR, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	39	38	36	37	31	29	33	28	37	30	40	31	45	49	44	49	44	44	37	48	38	44	39	
177 ADELAIDE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	33	34	32	33	27	25	29	22	31	24	34	25	40	44	39	44	39	39	30	41	31	39	34	
22 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	39	37	38	32	30	34	29	38	31	34	27	41	45	40	45	40	40	38	49	39	40	35	
6 AUSTRALIA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	39	43	41	42	36	34	38	29	38	31	37	31	45	49	44	49	44	44	35	46	36	44	39	
73 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	48	43	41	42	36	34	38	33	42	35	49	40	45	49	44	49	44	44	40	51	41	44	39	
4 NARIEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	43	41	42	36	34	38	32	41	34	41	32	45	49	44	49	44	44	38	49	39	44	39	
3/19-21 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	44	42	43	37	35	39	34	43	36	44	35	50	54	49	54	49	49	40	51	41	49	44	
18 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	35	33	34	28	26	30	22	31	24	34	25	37	41	36	41	36	36	28	39	29	36	31	
2/65 QUEEN ST, ST MARYS NSW 2760	Medical	Mixed Use	NCA02	37	37	36	65	65	65	65	-	-	40	44	42	43	37	35	39	30	39	32	41	32	47	51	46	51	46	46	37	48	38	46	41	
ST MARYS SENIOR HIGH SCHOOL 6-50 KALANG AV, ST MARYS NSW 2760	Educational	Residential	NCA02	37	37	36	55	55	55	55	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
42 GIDLEY ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	31	35	33	34	28	26	30	22	31	24	31	23	35	39	34	39	34	34	27	38	28	34	29	
62 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	38	42	40	41	35	33	37	30	39	32	36	30	43	47	42	47	42	42	36	47	37	42	37	
SYDNEY CITY MISSION FAMILY DAY CARE 50 GIDLEY ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	28	32	30	31	25	23	27	17	26	19	29	20	33	37	32	37	32	32	34	24	32	27	27	
43 POPLAR ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	34	36	34	35	29	27	31	25	34	27	35	26	38	42	37	42	37	37	31	42	32	37	32	
34 KENNY AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	43	41	42	36	34	38	28	37	30	38	31	45	49	44	49	44	44	36	47	37	44	39	
109-111 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	47	51	49	50	44	42	46	37	46	39	47	39	53	57	52	57	52	52	44	55	45	52	47	
ST MARYS PUBLIC SCHOOL 2-6 PRINCESS MARY ST, ST MARYS NSW 2760	Educational	Mixed Use	NCA02	37	37	36	55	55	55	55	-	-	29	32	30	31	26	24	28	18	27	20	30	21	34	38	33	38	33	33	24	35	25	33	28	
44 GLOSSOP ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	36	40	38	39	33	31	35	29	38	31	33	28	45	49	44	49	44	44	37	48	38	44	39	
41 LITTLE CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	45	47	45	46	40	38	42	36	45	38	46	37	50	54	49	54	49	49	42	53	43	49	44	
24 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	39	37	38	32	30	34	29	38	31	34	27	42	46	41	46	41	41	37	48	38	41	36	
69 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	38	41	39	40	34	32	36	30	39	32	39	30	44	48	43	48	43	43	35	46	36	43	38	
26 GLOSSOP ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	36	40	38	39	33	31	35	31	40	33	34	28	42	46	41	46	41	41	38	49	39	41	36	
1 BROCK AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	44	42	43	37	35	39	31	40	33	43	34	49	53	48	53	48	48	37	48	38	48	43	
146-148 GLOSSOP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	31	32	30	31	25	23	27	19	28	21	32	23	39	43	38	43	38	38	27	38	28	38	33	
2 FORRESTER RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	29	32	30	31	25	23	27	19	28	21	30	21	38	42	37	42	37	27	37	27	37	32		
12 KUNGALA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	40	38	39	33	31	35	28	37	30	36	28	41	45	40	45	40	40	32	43	33	40	35	
6 CEDAR CR, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	35	39	37	38	32	30	34	26	35	28	34	27	40	44	39	44	39	39	32	43	33	39	34	
3-																																				

Receiver Details			NCA	Background Noise Level			Noise management Levels					Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAmax)												
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfl	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
12 BENALONG ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	-	42	52	65	36	40	38	39	33	31	35	27	36	29	35	28	41	45	40	45	40	40	43	44	34	40	35	
49 KENNY AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	29	33	31	32	26	24	28	17	26	19	29	21	35	39	34	39	34	34	34	24	35	25	34	29
2/48-48A GIDLEY ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	45	43	44	38	36	40	34	43	36	42	33	46	50	45	50	45	45	39	50	40	45	40	
UNIT 5 139A BRISBANE ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	30	33	31	32	26	24	28	18	27	20	31	22	34	38	33	38	33	33	25	36	26	33	28	
ST MARYS RAILWAY STATION SHOP 3 63 STATION ST, NOR	Commercial	Transport/Infrastructure	NCA01	38	38	38	70	70	70	70	-	-	54	54	52	53	47	45	49	41	50	43	55	46	53	57	52	57	52	48	59	49	52	47		
5 CAMIRA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	39	43	41	42	36	34	38	34	43	36	40	31	47	51	46	51	46	46	42	53	43	46	41	
7/32 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	46	44	45	39	37	41	33	42	35	43	34	48	52	47	52	47	47	38	49	39	47	42	
21 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	71	68	66	67	61	59	63	55	64	57	72	63	73	77	72	77	72	61	72	62	72	67		
10 FORRESTER RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	50	50	48	49	43	41	45	39	48	41	51	42	57	61	56	61	56	56	48	59	49	56	51	
9 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	48	46	47	41	39	43	34	43	36	43	36	51	55	50	55	50	50	42	53	43	50	45	
125A FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	31	35	33	34	28	26	30	26	35	28	32	23	39	43	38	43	38	38	35	46	36	38	33	
6 PHILLIP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	38	42	40	41	35	33	37	27	36	29	38	30	43	47	42	47	42	42	33	44	34	42	37	
299-311 GREAT WESTERN HWY, ST MARYS NSW 2760	Place of Worship	Community Use	NCA02	37	37	36	55	55	55	55	-	-	40	40	38	39	33	31	35	28	37	30	41	32	45	49	44	49	44	44	34	45	35	44	39	
UNIT 2 15 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	45	49	47	48	42	40	44	35	44	37	46	37	50	54	49	54	49	49	41	52	42	49	44	
44 KING ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	38	42	40	41	35	33	37	30	39	32	38	30	40	44	39	44	39	39	36	47	37	39	34	
1 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	47	51	49	50	44	42	46	37	46	39	46	39	54	58	53	58	53	53	44	55	45	53	48	
ST MARYS NORTH PUBLIC SCHOOL 24-40 WILLOW RD, NOR	Educational	Residential	NCA01	38	38	38	55	55	55	55	-	-	43	47	45	46	40	38	42	30	39	32	41	35	48	52	47	52	47	38	49	39	47	42		
50 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	32	35	33	34	28	26	30	23	32	25	33	24	39	43	38	43	38	38	31	42	32	38	33	
2 MERINDA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	43	41	42	36	34	38	29	38	31	38	31	44	48	43	48	43	43	36	47	37	43	38	
38 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	38	42	40	41	35	33	37	30	39	32	34	30	47	51	46	51	46	46	46	39	50	40	46	41
102A GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	49	53	51	52	46	44	48	39	48	41	49	41	55	59	54	59	54	54	47	58	48	54	49	
49 THOMPSON AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	33	37	35	36	30	28	32	23	32	25	34	25	40	44	39	44	39	39	30	41	31	39	34	
46 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	41	45	43	44	38	36	40	30	39	32	42	33	45	49	44	49	44	44	36	47	37	44	39	
191 CANBERRA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	35	38	36	37	31	29	33	25	34	27	36	27	40	44	39	44	39	39	31	42	32	39	34	
40 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	47	45	46	40	38	42	33	42	35	41	35	48	52	47	52	47	47	39	50	40	47	42	
316 GREAT WESTERN HWY, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	30	33	31	32	26	24	28	20	29	22	31	22	35	39	34	39	34	34	25	36	26	34	29	
449 GREAT WESTERN HWY, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	41	45	43	44	38	36	40	30	39	32	41	33	47	51	46	51	46	46	46	38	49	39	46	41
28 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	29	33	31	32	26	24	28	18	27	20	30	21	35	39	34	39	34	34	24	35	25	34	29	
24 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	33	37	35	36	30	28	32	27	36	29	32	25	39	43	38	43	38	38	35	46	36	38	33	
51 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	34	38	36	37	31	29	33	29	38	31	33	26	41	45	40	45	40	40	36	47	37	40	35	
1 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	38	42	40	41	35	33	37	29	38	31	36	30	43	47	42	47	42	42	36	47	37	42	37	
1 POWER ST, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	24	28	26	27	21	19	23	20	29	22	25	16	29	33	28	33	28	28	21	32	22	28	23	
129 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	28	31	29	30	24	22	26	17	26	19	29	29	33	37	32	37	32	32	24	35	25	32	27	
187-189 ADELAIDE ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	31	33	31	32	26	24	28	20	29	22	32	23	39	43	38	43	38	38	27	38	28	38	33	
18 BENALONG ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	32	36	34	35	29	27	31	22	31	24	32	24	40	44	39	44	39	39	30	41	31	39	34	
38 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	31	34	32	33	27	25	29	21	30	23	32	23	42	46	41	46	41	41	35	46	36	41	36	
12 ACACIA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	45	43	44	38	36	40	34	43	36	40	33	47	51	46	51	46	46	41	52	42	46	41	
16 BENALONG ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	35	39	37	38	32	30	34	27	36	29	34	27	41	45	40	45	40	40	34	45	35	40	35	
105 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	31	35	33	34	28	26	30	27	36	29	32	23	36	40	35	40	35	35	32	43	33	35	30	
114 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	40	38	39	33	31	35	25	34	27	39	30	44	48	43	48	43	43	32	43	33	43	38	
13 STAPLETON PDE, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	44	42	43	37	35	39	35	44	37	45	36	51	55	50	55	50	50	41	52	42	50	45	
54 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	46	50	48	49	43	41	45	35	44	37	43	38	52	56	51	56	51	51	41	52	42	51	46	
38 GLOSSOP ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	36	40	38	39	33	31	35	31	40	33	35	28	43	47	42	47	42	42	38	49	39	42	37	
16 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	33	37	35	36	30	28	32	29	38	31	32	25	40	44	39	44	39	39	36	47	37	39	34	
10 ELM ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38																														

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAEq)												Predicted Noise Levels - Construction Scenarios (LAmax)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfi	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
6 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	41	39	40	34	32	36	29	38	31	34	29	43	47	42	47	42	42	42	35	46	36	42	37
60 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	32	36	34	35	29	32	31	27	36	29	32	29	43	38	43	38	38	38	38	33	44	34	38	33
7 NARIEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	46	44	45	39	37	41	36	45	38	39	34	49	53	48	53	48	48	48	44	55	45	48	43
23 WARREGO ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	34	38	36	37	31	29	33	31	40	33	32	26	41	45	40	45	40	40	37	48	38	40	35	
16 ACACIA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	46	44	45	39	37	41	35	44	37	42	34	50	54	49	54	49	49	44	55	45	49	44	
37 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	32	36	34	35	29	27	31	27	36	29	31	24	39	43	38	43	38	38	35	46	36	38	33	
25 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	45	43	44	38	36	40	31	40	33	43	34	48	52	47	52	47	47	37	48	38	47	42	
68 HOBART ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	41	39	40	34	32	36	27	36	29	36	29	44	48	43	48	43	43	33	44	34	43	38	
27 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	45	43	44	38	36	40	29	38	31	41	33	48	52	47	52	47	47	37	48	38	47	42	
24 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	71	73	71	72	66	64	68	58	67	60	72	63	77	81	76	81	76	76	65	76	66	76	71	
190B CANBERRA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	33	36	34	35	29	27	31	24	33	26	34	25	38	42	37	42	37	37	30	41	31	37	32	
20 CEDAR CR, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	39	43	41	42	36	34	38	28	37	30	34	31	44	48	43	48	43	43	35	46	36	43	38	
15 CAMIRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	47	45	46	40	38	42	36	45	38	45	36	51	55	50	55	50	50	45	56	46	50	45	
54 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	46	50	48	49	43	41	45	38	47	40	46	38	51	55	50	55	50	50	44	55	45	50	45	
24 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	45	47	45	46	40	38	42	34	43	36	46	37	51	55	50	55	50	50	40	51	41	50	45	
8 MERINDA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	41	39	40	34	32	36	26	35	28	35	29	43	47	42	47	42	42	32	43	33	42	37	
9 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	36	40	38	39	33	31	35	30	39	32	35	28	43	47	42	47	42	42	38	49	39	42	37	
47 CARINYA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	42	40	41	35	33	37	29	38	31	38	30	44	48	43	48	43	43	36	47	37	43	38	
1 BENALONG ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	41	39	40	34	32	36	28	37	30	37	29	43	47	42	47	42	42	35	46	36	42	37	
4/55 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	40	38	39	33	31	35	31	40	33	39	30	46	50	45	50	45	45	37	48	38	45	40	
45 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	37	35	36	30	28	32	28	37	30	32	25	41	45	40	45	40	40	35	46	36	40	35	
6 STAPLETON PDE, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	37	35	36	30	28	32	27	36	29	37	28	42	46	41	46	41	41	33	44	34	41	36	
31 KUNGALA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	32	36	34	35	29	27	31	22	31	24	31	24	38	42	37	42	37	37	28	39	29	37	32	
3-13 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	32	30	28	29	23	21	25	16	25	18	33	24	32	36	31	36	31	31	22	33	23	31	26	
UNIT 5 139A BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	34	38	36	37	31	29	33	24	33	26	34	26	40	44	39	44	39	39	31	42	32	39	34	
11 ANZAC ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	32	41	34	38	32	46	50	45	50	45	45	39	50	40	45	40	
187-189 ADELAIDE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	41	39	40	34	32	36	32	41	34	41	32	48	52	47	52	47	47	39	50	40	47	42	
44 KING ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	32	35	33	34	28	26	30	23	32	25	33	24	37	41	36	41	36	36	28	39	29	36	31	
28 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	34	38	36	37	31	29	33	30	39	32	34	26	42	46	41	46	41	41	37	48	38	41	36	
189 CANBERRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	44	42	43	37	35	39	30	39	32	42	33	46	50	45	50	45	45	36	47	37	45	40	
10 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	37	41	39	40	34	32	36	32	41	34	36	29	44	48	43	48	43	43	39	50	40	43	38	
12 GLOSSOP ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
119 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	32	36	34	35	29	27	31	27	36	29	32	24	39	43	38	43	38	38	35	46	36	38	33	
5 ANZAC ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	36	40	38	39	33	31	35	27	36	29	33	28	41	45	40	45	40	40	34	45	35	40	35	
34 GLOSSOP ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	35	39	37	38	32	30	34	30	39	32	33	27	41	45	40	45	40	40	36	47	37	40	35	
1/183 CANBERRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	33	36	34	35	29	27	31	25	34	27	34	25	37	41	36	41	36	36	32	43	33	36	31	
57 AUSTRALIA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	35	38	36	37	31	29	33	26	35	28	36	27	42	46	41	46	41	41	34	45	35	41	36	
22/11 PHILLIP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	53	56	54	55	49	47	51	43	52	45	54	45	59	63	58	63	58	58	50	61	51	58	53	
37 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	30	34	32	33	27	25	29	19	28	21	31	22	35	39	34	39	34	34	25	36	26	34	29	
7 AUSTRALIA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	41	45	43	44	38	36	40	31	40	33	41	33	48	52	47	52	47	47	38	49	39	47	42	
9 NARANG PL, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	30	33	31	32	26	24	28	22	31	24	31	22	36	40	35	40	35	35	28	39	29	35	30	
COMMUNITY WELFARE CENTRE 26 GIDLEY ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	45	48	46	47	41	39	43	37	46	39	46	37	50	54	49	54	49	49	42	53	43	49	44	
23 KING ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	35	36	34	35	29	27	31	25	34	27	36	27	41	45	40	45	40	40	30	41	31	40	35	
55 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	40	44	42	43	37	35	39	30	39	32	39	32	45	49	44	49	44	44	36	47	37	44	39	
27 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36																														

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAMax)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfI	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
9 NARANG PL, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	31	33	31	32	26	24	28	21	30	23	32	23	36	40	35	40	35	35	35	27	38	28	35	30
97 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	45	45	43	44	38	36	40	34	43	36	46	37	49	53	48	53	48	48	48	39	50	40	48	43
143 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	35	38	36	37	31	29	33	27	36	29	36	27	38	42	37	42	37	37	35	46	36	37	32	
135 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	37	41	39	40	34	32	36	31	40	33	38	29	42	46	41	46	41	41	38	49	39	41	36	
369 GREAT WESTERN HWY, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	35	38	36	37	31	29	33	28	37	30	36	27	42	46	41	46	41	41	34	45	35	41	36	
66 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	47	51	49	50	44	42	46	36	45	38	45	39	52	56	51	56	51	51	41	43	54	44	51	46
38 CEDAR CR, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	40	44	42	43	37	35	39	31	40	33	41	32	44	48	43	48	43	43	37	48	38	43	38	
34 KENNY AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	30	34	32	33	27	25	29	20	29	22	30	22	36	40	35	40	35	35	26	37	27	35	30	
4/74 HOBART ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	45	49	47	48	42	40	44	36	45	38	44	37	51	55	50	55	50	50	42	53	43	50	45	
23 CHAMPNESS CR, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	42	41	39	40	34	32	36	31	40	33	43	34	51	55	50	55	50	50	39	50	40	50	45	
9 BLAIR AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	42	40	41	35	33	37	29	38	31	40	31	43	47	42	47	42	42	34	45	35	42	37	
52 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	32	34	32	33	27	25	29	19	28	21	33	24	36	40	35	40	35	35	25	36	26	35	30	
53 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
28 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	41	39	40	34	32	36	29	38	31	37	29	43	47	42	47	42	35	46	36	42	37		
97 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	52	50	48	49	43	41	45	41	50	43	53	44	58	62	57	62	57	57	47	58	48	57	52	
6 GLOSSOP ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	32	36	34	35	29	27	31	24	33	26	32	24	39	43	38	43	38	38	31	42	32	38	33	
194 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	34	37	35	36	30	28	32	23	32	25	35	26	40	44	39	44	39	39	29	40	30	39	34	
34 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	44	42	43	37	35	39	30	39	32	40	32	46	50	45	50	45	39	49	39	49	39	45	40
199 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	29	33	31	32	26	24	28	19	28	21	30	21	35	39	34	39	34	34	25	36	26	34	29	
22 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	39	37	38	32	30	34	32	41	34	34	27	42	46	41	46	41	41	40	51	41	41	36	
34 CEDAR CR, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	30	33	31	32	26	24	28	19	28	21	31	22	36	40	35	40	35	35	26	37	27	35	30	
6 STAPLETON PDE, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	30	32	30	31	25	23	27	17	26	19	31	22	36	40	35	40	35	35	24	35	25	35	30	
9 WILGA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
20 KUNGALA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	32	36	34	35	29	27	31	21	30	23	31	24	38	42	37	42	37	37	28	39	29	37	32	
8 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	37	35	36	30	28	32	27	36	29	31	25	41	45	40	45	40	35	46	36	40	35		
8 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	48	52	50	51	45	43	47	37	46	39	49	40	54	58	53	58	53	53	44	55	45	53	48	
13 MAXIM PL, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	22	25	23	24	18	16	20	12	21	14	23	14	27	31	26	31	26	26	18	29	19	26	21	
4 DEBRINCAT AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	36	40	38	39	33	31	35	26	35	28	34	28	41	45	40	45	40	40	34	45	35	40	35	
41 CARINYA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	47	45	46	40	38	42	34	43	36	43	35	48	52	47	52	47	47	41	52	42	47	42	
12 GIDLEY ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	48	46	47	41	39	43	35	44	37	44	36	47	51	46	51	46	46	39	50	40	46	41	
72-80 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	48	52	50	51	45	43	47	40	49	42	48	40	53	57	52	57	52	52	46	57	47	52	47	
65 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	42	46	44	45	39	37	41	30	39	32	38	34	48	52	47	52	47	47	36	47	37	47	42	
50 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	34	38	36	37	31	29	33	28	37	30	33	26	41	45	40	45	40	40	36	47	37	40	35	
155 GLOSSOP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
7 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	45	46	44	45	39	37	41	34	43	36	46	37	52	56	51	56	51	51	41	52	42	51	46	
6/50-52 PLASSER CR, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	50	47	45	46	40	38	42	36	45	38	51	42	57	61	56	61	56	56	45	56	46	56	51	
29 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	28	32	30	31	25	23	27	17	26	19	29	20	33	37	32	32	32	23	34	24	32	27		
11 STAPLETON PDE, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	37	35	36	30	28	32	27	36	29	38	29	43	47	42	47	42	34	45	35	42	37		
75-77 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	41	45	43	44	38	36	40	30	39	32	41	33	47	51	46	51	46	46	37	48	38	46	41	
3 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	33	35	33	34	28	26	30	27	36	29	34	25	38	42	37	42	37	37	35	46	36	37	32	
133 GLOSSOP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	40	40	38	39	33	31	35	29	38	31	41	32	48	52	47	52	47	47	36	47	37	47	42	
3 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	30	34	32	33	27	25	29	24	33	26	29	22	36	40	35	40	35	35	31	42	32	35	30	
14 MERINDA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	43	41	42	36	34	38	31	40	33	37	31	45	49	44	49	44	44	38	49	39	44	39	
ST MARYS SENIOR HIGH SCHOOL 6-50 KALANG AV, ST MAR	Educational	Residential	NCA02	37	37	36	55	55	55	55	-	-	28	32	30	31	25	23	27	19	28	21	28	20	33	37	32	37	32	32	25	36	26	32	27	
52 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42																											

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAmax)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfI	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
43 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	41	43	41	42	36	34	38	29	38	31	42	33	45	49	44	44	44	44	44	35	46	36	44	39
29 PLASSER CR, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	44	45	43	44	38	36	40	33	42	35	45	36	50	54	49	54	49	49	40	51	41	49	44	
5/5 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	46	50	48	49	43	41	45	39	48	41	45	38	51	55	50	55	50	50	45	56	46	50	45	
78-80 LEE HOLM RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	32	34	32	33	27	25	29	27	36	29	33	24	38	42	37	42	37	37	34	45	35	37	32	
31 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	38	36	37	31	29	33	28	37	30	36	27	41	45	40	45	40	40	34	45	35	40	35	
SOUTH CREEK PARK 2 THE KINGSWAY, ST MARYS NSW 2760	Active Recreation	Recreational/Open Space	NCA02	37	37	36	65	65	65	65	-	-	38	42	40	41	35	33	37	28	37	30	37	30	45	49	44	49	44	44	34	45	35	44	39	
23 AUSTRALIA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	39	37	38	32	30	34	24	33	26	38	29	41	45	40	45	40	40	32	43	33	40	35	
78 CARINYA AV, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	49	47	45	46	40	38	42	37	46	39	50	41	49	53	48	53	48	48	44	55	45	48	43	
14 ACACIA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	46	44	45	39	37	41	34	43	36	40	34	48	52	47	52	47	47	42	53	43	47	42	
6 ROSS PL, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	42	40	41	35	33	37	27	36	29	39	30	44	48	43	48	43	43	44	45	35	43	38	
306 GREAT WESTERN HWY, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	44	42	43	37	35	39	30	39	32	42	33	46	50	45	50	45	45	35	46	36	45	40	
83 HOBART ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	47	51	49	50	44	42	46	37	46	39	47	39	54	58	53	58	53	53	53	46	57	47	53	48
86 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	47	44	42	43	37	35	39	35	44	37	48	39	54	58	53	58	53	53	42	53	43	53	48	
53 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	42	46	44	45	39	37	41	33	42	35	40	34	47	51	46	51	46	46	39	50	40	46	41	
32 KENNY AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	40	38	39	33	31	35	26	35	28	35	28	42	46	41	46	41	41	33	44	34	41	36	
115 GLOSSOP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	46	49	47	48	42	40	44	36	45	38	47	38	50	54	49	54	49	49	42	53	43	49	44	
6-8 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	38	39	37	38	32	30	34	25	34	27	39	30	46	50	45	50	45	45	34	45	35	45	40	
15 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	32	34	32	33	27	25	29	23	32	25	33	24	36	40	35	40	35	35	35	30	41	31	35	30
RIPPLES 1 CHARLES HACKETT DR, ST MARYS NSW 2760	Active Recreation	Recreational/Open Space	NCA02	37	37	36	65	65	65	65	-	-	43	47	45	46	40	38	42	34	43	36	41	35	50	54	49	54	49	49	41	52	42	49	44	
2 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	32	36	34	35	29	27	31	26	35	28	33	24	38	42	37	42	37	37	32	43	33	37	32	
15 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	37	35	36	30	28	32	29	38	31	32	25	40	44	39	44	39	39	36	47	37	39	34	
29 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	36	40	38	39	33	31	35	28	37	30	37	28	43	47	42	47	42	42	44	35	42	37		
137A BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	25	28	26	27	21	19	23	12	21	14	26	17	31	35	30	35	30	30	19	30	20	30	25	
32 PHILLIP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	40	44	42	43	37	35	39	31	40	33	41	32	46	50	45	50	45	45	38	49	39	45	40	
92A QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	45	47	45	46	40	38	42	37	46	39	46	37	51	55	50	55	50	44	55	45	50	45		
117 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	30	34	32	33	27	25	29	25	34	27	31	22	35	39	34	39	34	34	29	40	30	34	29	
80A GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	38	38	36	37	31	29	33	23	32	25	39	30	42	46	41	46	41	41	30	41	31	41	36	
28 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	39	37	38	32	30	34	30	39	32	35	27	41	45	40	45	40	40	37	48	38	40	35	
41 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	46	44	45	39	37	41	33	42	35	42	34	49	53	48	53	48	48	40	51	41	48	43	
25 CEDAR CR, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	41	45	43	44	38	36	40	30	39	32	42	33	47	51	46	51	46	46	36	47	37	46	41	
1 ROSS PL, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	42	40	41	35	33	37	28	37	30	38	30	41	45	40	45	40	40	32	43	33	40	35	
25 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	44	48	46	47	41	39	43	40	49	42	45	36	51	55	50	55	50	50	47	58	48	50	45	
142-144 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	41	39	40	34	32	36	30	39	32	41	32	48	52	47	52	47	47	37	48	38	47	42	
19 ARALUEN AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	46	44	45	39	37	41	35	44	37	36	34	46	50	45	50	45	45	41	52	42	45	40	
39 LITTLE CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	45	47	45	46	40	38	42	38	47	40	46	37	51	55	50	55	50	50	44	55	45	50	45	
193A ADELAIDE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	42	40	41	35	33	37	31	40	33	42	33	49	53	48	53	48	48	37	48	38	48	43	
14 BLAIR AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	46	47	45	46	40	38	42	39	48	41	47	38	53	57	52	57	52	52	45	56	46	52	47	
30 WARREGO ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	32	36	34	35	29	27	31	26	35	28	30	24	41	45	40	45	40	40	33	44	34	40	35	
21/17-19 KURRAJONG RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	39	38	36	37	31	29	33	31	40	33	40	31	46	50	45	50	45	45	37	48	38	45	40	
18 BLAIR AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	49	52	50	51	45	43	47	39	48	41	50	41	55	59	54	59	54	54	45	56	46	54	49	
58-60 PLASSER CR, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	47	48	46	47	41	39	43	37	46	39	48	39	53	57	52	57	52	52	44	55	45	52	47	
49 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	46	44	42	43	37	35	39	31	40	33	47	38	54	58	53	58	53	53	42	53	43	53	48	
69 CARINYA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	47	45	46	40	38	42	38	47	40	41	35	49	53	48	53	48	48	45	56	46	48	43	
65 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	30	34	32	33	27	25	29	25	34	27	30	22	36	40	35	40	35	31	42	32	35	30		
52-54 POWER ST, ST MARYS																																				

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAMax)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfl	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
8A GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	34	38	36	37	31	29	33	28	37	30	32	26	42	46	41	46	41	41	37	48	38	41	36	
4/24 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	39	37	38	32	30	34	26	35	28	39	30	45	49	44	49	44	44	35	46	36	44	39	
27 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	42	45	43	44	38	36	40	30	39	32	43	34	47	51	46	51	46	46	46	36	47	37	46	41
188 CANBERRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	27	30	28	29	23	21	25	14	23	16	28	19	33	37	32	37	32	32	21	32	22	32	27	
2 ROSS PL, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	52	56	54	55	49	47	51	42	51	44	51	44	52	56	51	56	51	51	43	54	44	51	46	
20 WARREGO ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	31	35	33	34	28	26	30	25	34	27	31	23	38	42	37	42	37	37	31	42	32	37	32	
30 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	45	45	43	44	38	36	40	34	43	36	46	37	52	56	51	56	51	51	40	51	41	51	46	
133 GLOSSOP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	40	40	38	39	33	31	35	29	38	31	41	32	48	52	47	52	47	47	36	47	37	47	42	
1 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	37	35	36	30	28	32	24	33	26	32	25	38	42	37	42	37	37	30	41	31	37	32	
29 KING ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	39	41	39	40	34	32	36	30	39	32	40	31	45	49	44	49	44	44	36	47	37	44	39	
2A KURRAJONG RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	42	46	44	45	39	37	41	34	43	36	43	34	47	51	46	51	46	46	40	51	41	46	41	
72 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	44	48	46	47	41	39	43	32	41	34	42	36	49	53	48	53	48	48	38	49	39	48	43	
89 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	42	46	44	45	39	37	41	34	43	36	42	34	49	53	48	53	48	48	42	53	43	48	43	
8 BENALONG ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	40	38	39	33	31	35	28	37	30	36	28	41	45	40	45	40	40	34	44	34	40	35	
32 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	44	42	43	37	35	39	36	45	38	45	36	52	56	51	56	51	51	42	53	43	51	46	
455 GREAT WESTERN HWY, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	34	38	36	37	31	29	33	29	38	31	35	26	41	45	40	45	40	40	36	47	37	40	35	
5 NARANG PL, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	32	34	32	33	27	25	29	27	36	29	33	24	38	42	37	42	37	37	34	45	35	37	32	
78 CARINYA AV, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	49	46	44	45	39	37	41	34	43	36	50	41	49	53	48	53	48	48	44	55	45	48	43	
44 KENNY AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
28 PHILLIP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	41	39	40	34	32	36	26	35	28	40	31	44	48	43	48	43	43	33	44	34	43	38	
2 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	32	36	34	35	29	27	31	28	37	30	31	24	39	43	38	43	38	38	33	44	34	38	33	
UNIT 5 160-162 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	36	34	35	29	27	31	29	38	31	39	30	46	50	45	50	45	45	36	47	37	45	40	
7 WATTLE AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	36	40	38	39	33	31	35	30	39	32	34	28	42	46	41	46	41	41	36	47	37	41	36	
8 CEDAR CR, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	39	43	41	42	36	34	38	28	37	30	36	31	45	49	44	49	44	44	34	45	35	44	39	
10 ELM ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	29	33	31	32	26	24	28	22	31	24	29	21	35	39	34	39	34	34	28	39	29	34	29	
38 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	30	39	32	35	32	48	52	47	52	47	47	39	50	40	47	42	
2/71 HOBART ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	46	44	45	39	37	41	34	43	36	42	34	48	52	47	52	47	47	41	52	42	47	42	
151 BRISBANE ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	29	32	30	31	25	23	27	16	25	18	30	21	33	37	32	37	32	32	23	34	24	32	27	
MANNA BANI UNIT 4 34-36 GIDLEY ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	46	49	47	48	42	40	44	37	46	39	47	38	51	55	50	55	50	50	42	53	43	50	45	
15-33 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	40	44	42	43	37	35	39	37	46	39	40	32	46	50	45	50	45	45	44	55	45	45	40	
30 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	36	40	38	39	33	31	35	29	38	31	37	28	43	47	42	47	42	42	35	46	36	42	37	
68 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	30	34	32	33	27	25	29	25	34	27	30	22	37	41	36	41	36	36	31	42	32	36	31	
5 ANZAC ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	34	38	36	37	31	29	33	28	37	30	33	26	41	45	40	45	40	40	36	47	37	40	35	
5 WATTLE AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	30	39	32	38	32	46	50	45	50	45	45	36	47	37	45	40	
5 KALANG AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	33	37	35	36	30	28	32	23	32	25	32	25	39	43	38	43	38	38	30	41	31	38	33	
73 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	38	42	40	41	35	33	37	28	37	30	39	30	44	48	43	48	43	43	34	45	35	43	38	
47 POPLAR ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	33	31	32	26	24	28	20	29	22	34	25	36	40	35	40	35	35	26	37	27	35	30	
90 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	44	48	46	47	41	39	43	35	44	37	45	36	54	58	53	58	53	53	42	53	43	53	48	
56 GLOSSOP ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	33	37	35	36	30	28	32	23	32	25	31	25	38	42	37	42	37	37	28	39	29	37	32	
128 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	40	38	39	33	31	35	29	38	31	40	31	48	52	47	52	47	47	36	47	37	47	42	
25 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	42	46	44	45	39	37	41	32	41	34	43	34	48	52	47	52	47	47	38	49	39	47	42	
17 BLAIR AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	39	37	38	32	30	34	26	35	28	38	29	43	47	42	47	42	42	32	43	33	42	37	
4/150 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	33	34	32	33	27	25	29	22	31	24	34	25	40	44	39	44	39	39	28	39	29	39	34	
10 BLAIR AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	46	46	44	45	39	37	41	37	46	39	47	38	53	57	52	57	52	52	43	54	44	52	47	
54-56 PLASSER CR, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	44	40																						

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LMax)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfl	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
2/44 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	38	36	37	31	29	33	29	38	31	38	29	44	48	43	48	43	43	41	34	45	35	43	38
5/49 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	38	36	37	31	29	33	28	37	30	37	28	42	46	41	46	41	41	41	35	46	36	41	36
84 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	47	45	43	44	38	36	40	35	44	37	48	39	52	56	51	56	51	51	51	43	54	44	51	46
1/102 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	48	52	50	51	45	43	47	36	45	38	48	40	53	57	52	57	52	52	44	55	45	52	47	37
10 MERINDA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	40	38	39	33	31	35	28	37	30	35	28	42	46	41	46	41	41	41	37	48	38	41	36
ST MARYS PUBLIC SCHOOL 2-6 PRINCESS MARY ST, ST MAR	Educational	Mixed Use	NCA02	37	37	36	55	55	55	55	-	-	34	38	36	37	31	29	33	28	37	30	35	26	41	45	40	45	40	40	35	46	36	40	35	
26 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	42	40	41	35	33	37	31	40	33	41	32	46	50	45	50	45	45	45	37	48	38	45	40
106 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	47	51	49	50	44	42	46	35	44	37	46	39	51	55	50	55	50	50	41	52	42	50	45	
45 POPLAR ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	37	35	36	30	28	32	25	34	27	36	27	38	42	37	42	37	31	42	32	37	32		
3/3 KURRAJONG RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	42	43	41	42	36	34	38	31	40	33	43	34	43	47	42	47	42	42	37	48	38	42	37	
4 WARREGO ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	33	37	35	36	30	28	32	27	36	29	32	25	39	43	38	43	38	38	34	45	35	38	33	
22 FORTHORN PL, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	43	47	45	46	40	38	42	36	45	38	40	35	50	54	49	54	49	49	44	55	45	49	44	
4 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	48	46	47	41	39	43	33	42	35	40	36	48	52	47	52	47	47	47	39	50	40	47	42
28 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	34	38	36	37	31	29	33	26	35	28	34	26	43	47	42	47	42	42	34	45	35	42	37	
24 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	35	39	37	38	32	30	34	29	38	31	33	27	41	45	40	45	40	40	36	47	37	40	35	
ST MARYS PUBLIC SCHOOL 2-6 PRINCESS MARY ST, ST MAR	Educational	Mixed Use	NCA02	37	37	36	55	55	55	55	-	-	39	43	41	42	36	34	38	27	36	29	40	31	46	50	45	50	45	45	34	45	35	45	40	
29 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	39	37	38	32	30	34	28	37	30	36	27	41	45	40	45	40	40	34	45	35	40	35	
19 BENALONG ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	33	37	35	36	30	28	32	24	33	26	32	25	40	44	39	44	39	39	30	41	31	39	34	
44 KING ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	30	33	31	32	26	24	28	19	28	21	31	22	35	39	34	39	34	34	25	36	26	34	29	
72 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	29	33	31	32	26	24	28	21	30	23	29	21	36	40	35	40	35	35	28	39	29	35	30	
1/3 STATION ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	58	62	60	61	55	53	57	47	56	49	58	50	63	67	62	67	62	62	53	64	54	62	57	
38 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	37	35	36	30	28	32	26	35	28	36	27	38	42	37	42	37	37	31	42	32	37	32	
31 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	42	45	43	44	38	36	40	30	39	32	43	34	48	52	47	52	47	47	36	47	37	47	42	
7A WARATAH ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	48	46	47	41	39	43	37	46	39	43	36	50	54	49	54	49	49	44	55	45	49	44	
40 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	27	30	28	29	23	21	25	15	24	17	28	19	32	36	31	36	31	31	20	31	21	31	26	
3/81 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	43	47	45	46	40	38	42	36	45	38	43	35	49	53	48	53	48	48	42	53	43	48	43	
69 HOBART ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	28	32	30	31	25	23	27	16	25	18	28	20	33	37	32	37	32	32	22	33	23	32	27	
17 WILLOW RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	41	39	40	34	32	36	27	36	29	33	29	45	49	44	49	44	44	36	47	37	44	39	
20 FORTHORN PL, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	46	50	48	49	43	41	45	38	47	40	44	38	51	55	50	55	50	46	57	47	50	45		
97 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
44 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	32	41	34	36	32	48	52	47	52	47	47	39	50	40	47	42	
44 KENNY AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	34	38	36	37	31	29	33	25	34	27	34	26	41	45	40	45	40	40	32	43	33	40	35	
54 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	25	28	26	27	21	19	23	12	21	14	26	17	34	38	33	38	33	33	24	35	25	33	28	
59 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	33	37	35	36	30	28	32	28	37	30	34	25	41	45	40	45	40	40	35	46	36	40	35	
153 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	41	39	40	34	32	36	29	38	31	34	29	44	48	43	48	43	43	35	46	36	43	38	
449 GREAT WESTERN HWY, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	40	44	42	43	37	35	39	30	39	32	40	32	46	50	45	50	45	45	37	48	38	45	40	
5 WARATAH ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	45	43	44	38	36	40	33	42	35	39	33	45	49	44	49	44	44	39	50	40	44	39	
123 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	44	42	43	37	35	39	33	42	35	43	34	51	55	50	55	50	50	40	51	41	50	45	
19 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	39	37	38	32	30	34	27	36	29	40	31	46	50	45	50	45	45	34	45	35	45	40	
43 CATALINA ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	35	39	37	38	32	30	34	28	37	30	33	27	42	46	41	46	41	41	35	46	36	41	36	
8/24 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	39	37	38	32	30	34	25	34	27	37	28	39	43	38	43	38	38	32	43	33	38	33	
23 CEDAR CR, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	10	21	11	21	16		
3 BENALONG ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	42	40	41	35	33	37	30	39	32	38	30	45	49	44	49	44	44	37	48	38	44	39	
57 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	33	34	32	33	27	25	29	21	30	23	34	25	41	45	40	45	40	40	29	40	30	40	35	
150B QUEEN ST, ST MARYS NSW 2																																				

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAMax)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfi	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
316 GREAT WESTERN HWY, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	25	29	27	28	22	20	24	13	22	15	26	17	30	34	29	34	29	29	18	29	19	29	24	
7 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	30	34	32	33	27	25	29	25	34	27	30	22	38	42	37	42	37	37	32	43	33	37	32	
27 KUNGALA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	42	40	41	35	33	37	31	40	33	38	30	44	48	43	48	43	43	39	50	40	43	38	
30 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	35	36	34	35	29	27	31	22	31	24	36	27	42	46	41	46	41	41	30	41	31	41	36	
29 AUSTRALIA ST, ST MARYS NSW 2760	Passive Recreation	Recreational/Open Space	NCA02	37	37	36	60	60	60	60	-	-	37	40	38	39	33	31	35	27	36	29	38	29	41	45	40	45	40	40	33	44	34	40	35	
30 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	36	38	36	37	31	29	33	24	33	26	37	28	40	44	39	44	39	39	28	39	29	39	34	
50 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	43	47	45	46	40	38	42	33	42	35	39	35	48	52	47	52	47	47	39	50	40	47	42	
7 ARALUEN AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	46	44	45	39	37	41	36	45	38	41	34	48	52	47	52	47	47	42	53	43	47	42	
7 CHAMPNESS CR, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	38	36	37	31	29	33	23	32	25	37	28	43	47	42	47	42	42	31	42	32	42	37	
2 PHILLIP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	42	40	41	35	33	37	29	38	31	39	30	43	47	42	47	42	42	36	47	37	42	37	
29 LITTLE CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	44	42	43	37	35	39	35	44	37	45	36	50	54	49	54	49	49	43	54	44	49	44	
40 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	41	45	43	44	38	36	40	33	42	35	40	33	48	52	47	52	47	47	40	51	41	47	42	
7 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	43	47	45	46	40	38	42	32	41	34	43	35	50	54	49	54	49	49	38	49	39	49	44	
17 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	38	41	39	40	34	32	36	27	36	29	39	30	47	51	46	51	46	46	35	46	36	46	41	
35 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	38	36	37	31	29	33	26	35	28	38	29	43	47	42	47	42	42	32	43	33	42	37	
9/160 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	34	36	34	35	29	27	31	24	33	26	35	26	39	43	38	43	38	38	31	42	32	38	33	
SOUTH CREEK PARK 2 THE KINGSWAY, ST MARYS NSW 2760	Active Recreation	Recreational/Open Space	NCA02	37	37	36	65	65	65	65	-	-	33	37	35	36	30	28	32	27	36	29	30	25	45	49	44	49	44	44	35	46	36	44	39	
38 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	41	39	40	34	32	36	28	37	30	40	31	44	48	43	48	43	43	35	46	36	43	38	
8 BROCK AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	33	36	34	35	29	27	31	21	30	23	34	25	37	41	36	41	36	36	27	38	28	36	31	
27 PHILLIP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	54	54	52	53	47	45	49	42	51	44	55	46	62	66	61	66	61	61	50	61	51	61	56	
15 BLAIR AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	45	43	44	38	36	40	36	45	38	45	36	50	54	49	54	49	49	41	52	42	49	44	
47 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	43	41	42	36	34	38	30	39	32	39	31	45	49	44	49	44	44	38	49	39	44	39	
49 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	38	42	40	41	35	33	37	30	39	32	33	30	46	50	45	50	45	45	37	48	38	45	40	
16 WARREGO ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	30	34	32	33	27	25	29	25	34	27	31	22	37	41	36	41	36	36	35	46	36	36	31	
62 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	38	36	37	31	29	33	27	36	29	38	29	44	48	43	48	43	43	34	45	35	43	38	
13 MAXIM PL, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	28	29	27	28	22	20	24	23	32	25	29	20	33	37	32	37	32	32	31	42	32	32	27	
24 PHILLIP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	50	48	46	47	41	39	43	36	45	38	51	42	59	63	58	63	58	58	47	58	48	58	53	
21 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	44	47	45	46	40	38	42	36	45	38	45	36	50	54	49	54	49	49	42	53	43	49	44	
UNIT 10 15 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	42	40	41	35	33	37	30	39	32	38	30	42	46	41	46	41	37	48	38	41	36		
1 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	48	51	49	50	44	42	42	41	52	65	40	56	60	55	60	55	55	44	55	45	55	50		
116 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	44	42	43	37	35	39	30	39	32	41	32	44	48	43	48	43	43	35	46	36	43	38	
2 GLOSSOP ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	37	35	36	30	28	32	28	37	30	32	25	39	43	38	43	38	38	35	46	36	38	33	
4 GIDLEY ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	46	44	45	39	37	41	34	43	36	45	36	51	55	50	55	50	50	40	51	41	50	45	
13 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	46	50	48	49	43	41	45	35	44	37	46	38	51	55	50	55	50	50	41	52	42	50	45	
33 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	41	45	43	44	38	36	40	30	39	32	42	33	48	52	47	52	47	47	36	47	37	47	42	
ST MARYS ELECTRICITY SUBSTATION 2 HARRIS ST, NORTH ST	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	52	56	54	55	49	47	51	40	49	42	45	44	59	63	58	63	58	58	48	59	49	58	53	
36 GLOSSOP ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	31	35	33	34	28	26	30	23	32	25	31	23	37	41	36	41	36	36	31	42	32	36	31	
3/65 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	38	36	37	31	29	33	29	38	31	39	30	46	50	45	50	45	45	35	46	36	45	40	
75-77 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	37	41	39	40	34	32	36	30	39	32	38	29	44	48	43	48	43	43	39	50	40	43	38	
35 KENNY AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	39	43	41	42	36	34	38	27	36	29	37	31	44	48	43	48	43	43	33	44	34	43	38	
ST MARYS SENIOR HIGH SCHOOL 6-50 KALANG AV, ST MAR	Educational	Residential	NCA02	37	37	36	55	55	55	55	-	-	28	32	30	31	25	23	27	17	26	19	29	20	35	39	34	39	34	34	24	35	25	34	29	
8 DEBRINCAT AV, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	30	34	32	33	27	25	29	19	28	21	30	22	35	39	34	39	34	34	25	36	26	34	29	
97 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	39	42	40	41	35	33	37	30	39	32	40	31	42	46	41	46	41	41	33	44	34	41	36	
	Garage		NCA01	38	38	38	-	-	-	-	-	-	39	43	41	42	36	34	38	28	37	30	36	31	44	48	43	48	43	43	34	45	35	43	38	
20 KUNGALA ST, ST MARYS NSW 2760	Residential																																			

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)											Predicted Noise Levels - Construction Scenarios (LAmax)												
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfI	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
2 MERINDA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	43	41	42	36	34	38	31	40	33	37	31	44	48	43	48	43	43	35	46	36	43	38	
52A KING ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	28	31	29	30	24	22	26	18	27	20	29	20	33	37	32	37	32	32	32	25	36	26	32	27
26 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	42	40	41	35	33	37	31	40	33	43	34	50	54	49	54	49	49	49	38	49	39	49	44
42 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	43	41	42	36	34	38	28	37	30	39	31	45	49	44	49	44	44	34	45	35	44	39	
2 BROCK AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	33	34	32	33	27	25	29	22	31	24	34	25	38	42	37	42	37	37	27	38	28	37	32	
7/13 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	32	36	34	35	29	27	31	19	28	21	32	24	37	41	36	41	36	36	36	27	37	27	36	31
47 POPLAR ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	30	32	30	31	25	23	27	18	27	20	31	22	35	39	34	39	34	34	24	35	25	34	29	
75 HOBART ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	45	49	47	48	42	40	44	35	44	37	43	37	51	55	50	55	50	50	50	41	52	42	50	45
18 PRINCESS MARY ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	30	33	31	32	26	24	28	21	30	23	31	22	37	41	36	41	36	36	29	40	30	36	31	
36 KENNY AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	33	37	35	36	30	28	32	23	32	25	32	25	40	44	39	44	39	39	39	32	43	33	39	34
6 AUSTRALIA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	35	38	36	37	31	29	33	23	32	25	36	27	43	47	42	47	42	42	32	43	33	42	37	
2 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	43	41	42	36	34	38	32	41	34	43	34	48	52	47	52	47	47	38	49	39	47	42	
4 ANZAC ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	36	40	38	39	33	31	35	28	37	30	32	28	43	47	42	47	42	42	35	46	36	42	37	
3/38-40 PLASSER CR, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	39	40	38	39	33	31	35	26	35	28	40	31	43	47	42	47	42	42	42	33	44	34	42	37
295 GREAT WESTERN HWY, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	37	35	36	30	28	32	29	38	31	38	29	44	48	43	48	43	43	34	45	35	43	38	
17 LETHBRIDGE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	49	48	46	47	41	39	43	38	47	40	50	41	55	59	54	59	54	54	44	55	45	54	49	
4/51 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	37	35	36	30	28	32	28	37	30	37	28	44	48	43	48	43	43	34	45	35	43	38	
155 BRISBANE ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
RIPPLES 1 CHARLES HACKETT DR, ST MARYS NSW 2760	Active Recreation	Recreational/Open Space	NCA02	37	37	36	65	65	65	65	-	-	34	38	36	37	31	29	33	28	37	30	33	26	41	45	40	45	40	40	35	46	36	40	35	
40 KENNY AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	28	32	30	31	25	23	27	16	25	18	28	20	34	38	33	38	33	33	23	34	24	33	28	
216 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	41	45	43	44	38	36	40	34	43	36	42	33	48	52	47	52	47	47	40	51	41	47	42	
107 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	31	35	33	34	28	26	30	28	37	30	32	23	41	45	40	45	40	40	38	49	39	40	35	
167 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	40	38	39	33	31	35	32	41	34	41	32	47	51	46	51	46	46	38	49	39	46	41	
4 KURRAJONG RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	30	32	30	31	25	23	27	18	27	20	31	22	34	38	33	38	33	33	24	35	25	33	28	
37 POPLAR ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
4 WARREGO ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	30	34	32	33	27	25	29	24	33	26	31	22	37	41	36	41	36	36	31	42	32	36	31	
27 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	38	38	38	70	70	70	70	-	-	41	45	43	44	38	36	40	29	38	31	37	33	47	51	46	51	46	46	37	48	38	46	41	
23 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	38	42	40	41	35	33	37	28	37	30	37	30	43	47	42	47	42	34	45	35	42	37		
9 BENALONG ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	33	37	35	36	30	28	32	22	31	24	33	25	37	41	36	41	36	36	27	38	28	36	31	
78 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	31	35	33	34	28	26	30	26	35	28	30	23	37	41	36	41	36	36	33	44	34	36	31	
14 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	32	36	34	35	29	27	31	27	36	29	33	24	39	43	38	43	38	38	33	44	34	38	33	
25 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	34	38	36	37	31	29	33	28	37	30	32	26	40	44	39	44	39	39	36	47	37	39	34	
20 WATTLE AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	39	43	41	42	36	34	38	28	37	30	36	31	45	49	44	49	44	44	34	45	35	44	39	
187 CANBERRA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	30	34	32	33	27	25	29	19	28	21	31	22	34	38	33	38	33	33	26	37	27	33	28	
36 CEDAR CR, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	32	33	31	32	26	24	28	19	28	21	33	24	37	41	36	41	36	36	25	36	26	36	31	
1 POWER ST, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	27	31	29	30	24	22	26	24	33	26	27	19	31	35	30	35	30	30	28	39	29	30	25	
78-80 LEE HOLM RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	33	34	32	33	27	25	29	26	35	28	34	25	39	43	38	43	38	38	33	44	34	38	33	
6 WARREGO ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	29	33	31	32	26	24	28	24	33	26	28	21	35	39	34	39	34	34	34	31	42	32	34	29
20 CHAPEL ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	35	37	35	36	30	28	32	24	33	26	36	27	42	46	41	46	41	41	30	41	31	41	36	
20 GIDLEY ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	48	46	47	41	39	43	38	47	40	44	36	49	53	48	53	48	48	42	53	43	48	43	
35 THOMPSON AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	33	37	35	36	30	28	32	23	32	25	33	25	40	44	39	44	39	39	31	42	32	39	34	
1 CAMIRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	46	44	42	43	37	35	39	35	44	37	47	38	49	53	48	53	48	48	45	56	46	48	43	
33 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	39	43	41	42	36	34	38	30	39	32	37	31	47	51	46	51	46	46	36	47	37	46	41	
187-189 ADELAIDE ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
72 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	4																													

Receiver Details			NCA	Background Noise Level			Noise management Levels					Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAmax)													
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfI	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	
7/150 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	32	33	31	32	26	24	28	20	29	22	33	24	40	44	39	44	39	39	29	28	39	29	39	39	34
35 CARINYA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	47	45	46	40	38	42	35	44	27	44	35	49	53	48	53	48	48	42	53	43	48	43		
TNHS 6 154 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	34	36	34	35	29	27	31	23	32	25	35	26	43	47	42	47	42	42	34	45	35	42	37		
1 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	30	34	32	33	27	25	29	20	29	22	30	22	35	39	34	39	34	34	26	37	27	34	29		
73 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	40	44	42	43	37	35	39	34	43	36	41	32	47	51	46	51	46	46	46	42	53	43	46	41	
3-13 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	29	33	31	32	26	24	28	22	31	24	29	21	35	39	34	39	34	34	27	38	28	34	29		
ST MARYS NORTH PUBLIC SCHOOL 24-40 WILLOW RD, NOR	Educational	Residential	NCA01	38	38	38	55	55	55	55	-	-	31	35	33	34	28	26	30	23	32	25	29	23	38	42	37	42	37	37	31	42	32	37	32		
9 LETHBRIDGE ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	46	44	42	43	37	35	39	35	44	37	47	38	53	57	52	57	52	52	41	52	42	52	47		
22 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	47	50	48	49	43	41	45	35	44	37	48	39	54	58	53	58	53	53	42	53	43	53	48		
45 POPLAR ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	34	35	33	34	28	26	30	23	32	25	35	26	37	41	36	41	36	36	29	40	30	36	31		
1 ANZAC ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	32	36	34	35	29	27	31	27	36	29	31	24	38	42	37	42	37	37	35	46	36	37	32		
5/67 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	39	37	38	32	30	34	29	38	31	40	31	47	51	46	51	46	46	35	46	36	46	41		
25-27 PLASSER CR, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	40	35	33	34	28	26	30	23	32	25	41	32	47	51	46	51	46	46	35	46	36	46	41		
1 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	46	50	48	49	43	41	45	33	42	35	44	38	50	54	49	54	49	49	38	49	39	49	44		
30A GIDLEY ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	39	37	38	32	30	34	26	35	28	37	28	41	45	40	45	40	40	32	43	33	40	35		
12 GLOSSOP ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	30	34	32	33	27	25	29	23	32	25	30	22	36	40	35	40	35	35	28	39	29	35	30		
7 BLAIR AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	42	46	44	45	39	37	41	34	43	36	43	34	48	52	47	52	47	39	50	40	47	42			
17 CHAMPNESS CR, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	45	45	43	44	38	36	40	34	43	36	46	37	52	56	51	56	51	51	41	52	42	51	46		
75-77 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	45	48	46	47	41	39	43	39	48	41	46	37	50	54	49	54	49	49	46	57	47	49	44		
158 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	30	33	31	32	26	24	28	19	28	21	31	22	35	39	34	39	34	34	27	38	28	34	29		
UNIT 5 139A BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	33	37	35	36	30	28	32	23	32	25	34	25	38	42	37	42	37	37	28	39	29	37	32		
54 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	42	46	44	45	39	37	41	32	41	34	39	34	48	52	47	52	47	47	40	51	41	47	42		
141 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	32	36	34	35	29	27	31	23	32	25	32	24	36	40	35	40	35	35	30	41	31	35	30		
148 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	41	39	40	34	32	36	28	37	30	39	30	43	47	42	47	42	42	35	46	36	42	37		
74 HOBART ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	47	45	46	40	38	42	33	42	35	43	35	48	52	47	52	47	42	38	49	39	47	42		
1 ANZAC ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	30	34	32	33	27	25	29	25	34	27	31	22	37	41	36	41	36	36	32	43	33	36	31		
50 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	43	47	45	46	40	38	42	33	42	35	41	35	48	52	47	52	47	47	40	51	41	47	42		
38 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	42	46	44	45	39	37	41	33	42	35	37	34	50	54	49	54	49	49	40	51	41	49	44		
2 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	31	35	33	34	28	26	30	20	29	22	30	23	36	40	35	40	35	35	26	37	27	35	30		
23 PHILLIP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	48	46	47	41	39	43	34	43	36	45	36	51	55	50	55	50	50	42	53	43	50	45		
32 PHILLIP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	42	45	43	44	38	36	40	32	41	34	43	34	47	51	46	51	46	46	39	50	40	46	41		
29 LITTLE CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	38	36	37	31	29	33	25	34	27	37	28	42	46	41	46	41	41	33	44	34	41	36		
41 THOMPSON AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	33	37	35	36	30	28	32	23	32	25	32	25	39	43	38	43	38	38	32	43	33	38	33		
19 WATTLE AV, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	32	36	34	35	29	27	31	27	36	29	31	24	39	43	38	43	38	38	35	46	36	38	33		
13 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	31	35	33	34	28	26	30	26	35	28	30	23	38	42	37	42	37	37	34	45	35	37	32		
2/3 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	42	40	41	35	33	37	32	41	34	43	34	49	53	48	53	48	48	38	49	39	48	43		
11 WARATAH ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	47	45	46	40	38	42	37	46	39	42	35	50	54	49	54	49	49	43	54	44	49	44		
16 KUNGALA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	34	38	36	37	31	29	33	25	34	27	34	26	40	44	39	44	39	39	32	43	33	39	34		
304 GREAT WESTERN HWY, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	39	37	38	32	30	34	29	38	31	40	31	45	49	44	49	44	44	35	46	36	44	39		
3 NARANG PL, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	35	37	35	36	30	28	32	30	39	32	36	27	39	43	38	43	38	38	37	48	38	38	33		
1/106 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	44	46	44	45	39	37	41	36	45	38	45	36	50	54	49	54	49	49	41	43	54	44	49	44	
200B QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	35	39	37	38	32	30	34	25	34	27	42	46	41	46	41	41	41	31	42	32	41	41	36		
8/130 FORRESTER RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	39	43	41	42	36	34	38	32	41	34	37	31	41	45	40	45	40	40	38	49	39	40	35		
41 KALANG AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	32	36	34	35	29	27	31	20	29	22	32	24	39	43	38	43	38	38	28	39	29	38	33		
7 CHAMPNESS CR, ST MARYS																																					

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAmax)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfl	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
23 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	45	43	44	38	36	40	31	40	33	43	34	48	52	47	47	47	47	47	37	48	38	47	42
17 ARALUEN AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	46	44	45	39	37	41	36	45	38	38	34	46	50	45	50	45	45	45	42	53	43	45	40
53 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	34	37	35	36	30	28	32	27	36	29	35	26	39	43	38	43	38	38	38	32	43	33	38	33
229 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	40	42	40	41	35	33	37	31	40	33	41	32	46	50	45	50	45	45	45	38	49	39	45	40
46 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	46	50	48	49	43	41	45	37	46	39	46	38	52	56	51	56	51	51	44	55	45	51	46	
6 BENALONG ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	38	42	40	41	35	33	37	29	38	31	37	30	42	46	41	46	41	41	35	46	36	41	36	
25 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	49	46	44	45	39	37	41	39	48	41	50	41	49	53	48	53	48	48	48	49	60	50	48	43
52-54 POWER ST, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	34	38	36	37	31	29	33	30	39	32	33	26	40	44	39	44	39	39	36	47	37	39	34	
168 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	35	33	34	28	26	30	27	36	29	37	28	44	48	43	48	43	43	33	44	34	43	38	
35 THOMPSON AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	33	37	35	36	30	28	32	24	33	26	32	25	39	43	38	43	38	38	38	32	43	33	38	33
74-76 LEE HOLM RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	34	37	35	36	30	28	32	27	36	29	35	26	41	45	40	45	40	40	34	45	35	40	35	
ST MARYS SENIOR HIGH SCHOOL 6-50 KALANG AV, ST MAR	Educational	Residential	NCA02	37	37	36	55	55	55	55	-	-	39	43	41	42	36	34	38	31	40	33	37	31	46	50	45	50	45	45	42	37	48	39	45	40
29 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	39	37	38	32	30	34	29	38	31	33	27	43	47	42	47	42	42	47	48	38	42	37	
33 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	37	35	36	30	28	32	26	35	28	33	25	39	43	38	43	38	38	38	32	43	33	38	33
9 WATTLE AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	32	41	34	37	32	46	50	45	50	45	45	45	38	49	39	45	40
50 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	35	39	37	38	32	30	34	25	34	27	36	27	41	45	40	45	40	40	31	42	32	40	35	
KOKODA PARK 21 CARINYA AV, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	42	46	44	45	39	37	41	33	42	35	43	34	48	52	47	52	47	47	40	51	41	47	42	
28 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	33	37	35	36	30	28	32	28	37	30	33	25	40	44	39	44	39	39	39	37	48	38	39	34
159 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	39	37	38	32	30	34	27	36	29	39	30	45	49	44	49	44	44	44	35	46	36	44	39
19 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	42	46	44	45	39	37	41	32	41	34	40	34	48	52	47	52	47	47	38	49	39	47	42	
ST MARYS SENIOR HIGH SCHOOL 6-50 KALANG AV, ST MAR	Educational	Residential	NCA02	37	37	36	55	55	55	55	-	-	40	44	42	43	37	35	39	34	43	36	37	32	46	50	45	50	45	45	42	53	43	45	40	
69 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	40	44	42	43	37	35	39	30	39	32	39	32	48	52	47	52	47	47	36	47	37	47	42	
54 THOMPSON AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	37	35	36	30	28	32	23	32	25	37	28	39	43	38	43	38	38	32	43	33	38	33	
3/210 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	42	45	43	44	38	36	40	34	43	36	43	34	48	52	47	52	47	47	40	51	41	47	42	
5 CEDAR CR, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	42	46	44	45	39	37	41	30	39	32	41	34	47	51	46	51	46	46	46	37	47	46	41	
37 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	45	48	46	47	41	39	43	40	49	42	46	37	52	56	51	56	51	51	48	59	49	51	46	
3/59 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	43	47	45	46	40	38	42	36	45	38	43	35	49	53	48	53	48	48	48	43	54	44	48	43
5/32 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	45	43	44	38	36	40	35	44	37	45	36	50	54	49	54	49	49	40	51	41	49	44	
20 BENALONG ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	43	41	42	36	34	38	35	44	37	38	31	47	51	46	51	46	46	42	53	43	46	41	
97 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	44	45	43	44	38	36	40	34	43	36	45	36	48	52	47	52	47	47	39	50	40	47	42	
ST MARYS PUBLIC SCHOOL 2-6 PRINCESS MARY ST, ST MAR	Educational	Mixed Use	NCA02	37	37	36	55	55	55	55	-	-	32	36	34	35	29	27	31	24	33	26	33	24	38	42	37	42	37	37	30	41	31	37	32	
1 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	29	33	31	32	26	24	28	19	28	21	30	21	35	39	34	39	34	34	26	37	27	34	29	
35 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	38	36	37	31	29	33	24	33	26	37	28	42	46	41	46	41	41	30	41	31	41	36	
29 KALANG AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	45	43	44	38	36	40	35	44	37	37	33	46	50	45	50	45	45	42	53	43	45	40	
147 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	37	35	36	30	28	32	26	35	28	37	28	44	48	43	48	43	43	32	43	33	43	38	
SCOUT HALL 22 CHARLES HACKETT DR, ST MARYS NSW 2760	Public Building	Mixed Use	NCA02	37	37	36	60	60	60	60	-	-	33	37	35	36	30	28	32	25	34	27	34	25	38	42	37	42	37	37	30	41	31	37	32	
20 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	38	42	40	41	35	33	37	29	38	31	37	30	43	47	42	47	42	42	35	46	36	42	37	
63 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	33	42	35	38	32	48	52	47	52	47	47	39	50	40	47	42	
46 KENNY AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	29	33	31	32	26	24	28	17	26	19	30	21	35	39	34	39	34	34	24	35	25	34	29	
4 NARANG PL, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	27	30	28	29	23	21	25	14	23	16	28	19	32	36	31	36	31	31	20	31	21	31	26	
4/12 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	48	46	47	41	39	43	33	42	35	43	36	50	54	49	54	49	49	49	41	52	42	49	44
60 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	43	41	42	36	34	38	31	40	33	40	31	45	49	44	49	44	44	37	48	38	44	39	
299-311 GREAT WESTERN HWY, ST MARYS NSW 2760	Place of Worship	Community Use	NCA02	37	37	36	55	55	55	55	-	-	42	45	43	44	38	36	40	31	40	33	43	34	47	51	46	51	46	46	36	47	37	46	41	
19 BIRCH ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	37	41	39	40	34	32	36	28	37	30	36	29	42	46	41	46								

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAMax)												
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfl	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	
1 WATTLE AV, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	42	43	41	42	36	27	31	27	36	29	32	24	39	43	38	43	38	38	35	46	36	38	33		
1/3 WARRAMUNGA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	41	-	52	65	32	36	34	35	29	37	38	32	41	34	49	53	48	53	48	48	48	37	48	38	48	43		
291 GREAT WESTERN HWY, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	-	36	36	34	35	29	27	31	26	35	28	37	28	42	46	41	46	41	41	32	43	33	41	36	
69 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	-	75	75	75	-	-	-	38	42	40	41	35	33	37	32	41	34	39	30	46	50	45	50	45	45	45	43	54	44	45	40
177 CANBERRA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	-	31	34	32	33	27	25	29	21	30	23	32	23	35	39	34	39	34	34	28	39	29	34	29	
16 MERINDA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	-	34	38	36	37	31	29	33	24	33	26	34	26	40	44	39	44	39	39	31	42	32	39	34	
34 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	41	44	42	43	37	35	39	32	41	34	42	33	46	50	45	50	45	45	38	49	39	45	40	
184 CANBERRA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	-	27	29	27	28	22	20	24	14	23	16	28	19	33	37	32	37	32	32	21	32	22	32	27	
32 GLOSSOP ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	-	37	41	39	40	34	32	36	27	36	29	34	29	46	50	45	50	45	45	36	47	37	45	40	
3 ARALUEN AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	41	52	65	35	39	37	38	32	30	34	25	34	27	40	44	39	44	39	39	39	31	42	32	39	34			
39 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	53	65	35	39	37	38	32	30	34	28	37	30	36	27	40	44	39	44	39	39	33	44	34	39	34		
82 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	-	70	70	70	-	-	44	47	45	46	40	38	42	37	46	39	45	36	50	54	49	54	49	49	43	54	44	49	44		
5 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	53	65	33	36	34	35	29	27	31	27	36	29	34	25	40	44	39	44	39	39	36	47	37	39	34		
68 HOBART ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	39	43	41	42	36	34	38	29	38	31	37	31	44	48	43	48	43	43	35	46	36	43	38	
47 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	40	41	39	40	34	32	36	31	40	33	41	32	47	51	46	51	46	46	46	37	48	38	46	41
82 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	-	75	75	75	-	-	48	46	44	45	39	37	41	35	44	37	49	40	53	57	52	57	52	52	41	52	42	52	47		
25 KUNGALA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	41	45	43	44	38	36	40	35	44	37	41	33	47	51	46	51	46	46	41	52	42	46	41	
3-13 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	-	75	75	75	-	-	41	45	43	44	38	36	40	36	45	38	37	33	49	53	48	53	48	48	43	54	44	48	43		
7 ANZAC ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	-	34	38	36	37	31	29	33	28	37	30	32	26	41	45	40	45	40	40	36	47	37	40	35	
51 THOMPSON AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	41	52	65	33	37	35	36	30	28	32	22	31	24	33	25	39	43	38	43	38	38	29	40	30	38	33		
27 BIRCH ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
7 BENALONG ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	-	37	41	39	40	34	32	36	28	37	30	37	29	42	46	41	46	41	41	34	45	35	41	36	
59 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	32	33	31	32	26	24	28	21	30	23	33	24	39	43	38	43	38	38	28	39	29	38	33	
29 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	53	65	41	45	43	44	38	36	40	30	39	32	42	33	47	51	46	51	46	46	46	36	47	37	46	41	
98 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	-	70	70	70	-	-	34	38	36	37	31	29	33	22	31	24	34	26	39	43	38	43	38	38	28	39	29	38	33		
62 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	53	65	30	34	32	33	27	25	29	25	34	27	31	22	37	41	36	41	36	36	30	41	31	36	31		
70 HOBART ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	42	46	44	45	39	37	41	30	39	32	41	34	47	51	46	51	46	46	46	35	46	36	46	41
2 ANZAC ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	53	65	35	39	37	38	32	30	34	28	37	30	31	27	42	46	41	46	41	41	35	46	36	41	36		
75 HOBART ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	-	39	43	41	42	36	34	38	28	37	30	35	31	41	45	40	45	40	40	33	44	34	40	35	
36 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	42	44	42	43	37	35	39	32	41	34	43	34	46	50	45	50	45	45	38	49	39	45	40	
127 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	53	65	29	33	31	32	26	24	28	24	33	26	30	21	37	41	36	41	36	36	36	32	43	33	36	31	
2 PARKLAWN PL, NORTH ST MARYS NSW 2760	Commercial	Commercial/Business	NCA01	38	38	38	-	70	70	70	-	-	40	44	42	43	37	35	39	33	42	35	35	32	45	49	44	49	44	44	40	51	41	44	39		
34 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	53	65	28	32	30	31	25	23	27	19	28	21	27	20	34	38	33	38	33	33	25	36	26	33	28		
18 ACACIA AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	43	47	45	46	40	38	42	37	46	39	43	35	48	52	47	52	47	47	42	53	43	47	42	
78 CARINYA AV, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	-	70	70	70	-	-	39	43	41	42	36	34	38	29	38	31	38	31	49	53	48	53	48	48	44	55	45	48	43		
69 HOBART ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	42	46	44	45	39	37	41	31	40	33	40	34	47	51	46	51	46	46	46	37	48	38	46	41
2 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	45	49	47	48	42	40	44	37	46	39	44	37	51	55	50	55	50	50	44	55	45	50	45	
2/59 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	-	70	70	70	-	-	40	44	42	43	37	35	39	32	41	34	40	32	46	50	45	50	45	45	38	49	39	45	40		
131 FORRESTER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	-	26	30	28	29	23	21	25	17	26	19	27	18	33	37	32	37	32	32	24	35	25	32	27	
8 CHESHAM ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	45	49	47	48	42	40	44	34	43	36	43	37	49	53	48	53	48	48	48	39	50	40	48	43
1 PARKLAWN PL, NORTH ST MARYS NSW 2760	Commercial	Commercial/Business	NCA01	38	38	38	-	70	70	70	-	-	40	44	42	43	37	35	39	32	41	34	35	32	46	50	45	50	45	45	39	50	40	45	40		
15 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	43	53	65	28	32	30	31	25	23	27	16	25	18	29	20	34	38	33	38	33	33	22	33	23	33	28		
42 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	35	37	35	36	30	28	32	22	31	24	36	27	41	45	40	45	40	40	29	40	30	40	35	
UNIT 18 18-20 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	42	41	52	65	45	46	44	45	39	37	41	35	44	37	46	37	53	57	52	57	52	52</						

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (L _{Aeq})												Predicted Noise Levels - Construction Scenarios (L _{Amax})											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfI	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
6 BENALONG ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	41	39	40	34	32	36	28	37	30	36	29	41	45	40	45	40	40	40	33	44	34	40	35
27 KALANG AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	43	41	42	36	34	38	33	42	35	31	44	48	43	48	43	43	43	40	51	41	43	38	
75 HOBART ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	40	38	39	33	31	35	24	33	26	36	28	41	45	40	45	40	40	40	30	41	31	40	35
13 BROCK AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	21	10	21	11	21	16
6 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	39	37	38	32	30	34	29	38	31	41	32	49	53	48	53	48	48	48	37	48	38	48	43
180A CANBERRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	38	36	37	31	29	33	28	37	30	38	29	42	46	41	46	41	41	41	34	45	35	41	36
1 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	42	40	41	35	33	37	32	41	34	42	33	48	52	47	52	47	47	47	38	49	39	47	42
47 CHAPEL ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	44	47	45	46	40	38	42	37	46	39	45	36	51	55	50	55	50	50	50	45	56	46	50	45
216 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	32	35	33	34	28	26	30	23	32	25	33	24	36	40	35	40	35	35	27	38	28	35	30	
29 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	47	45	46	40	38	42	34	43	36	45	36	50	54	49	54	49	49	49	40	51	41	49	44
299-311 GREAT WESTERN HWY, ST MARYS NSW 2760	Place of Worship	Community Use	NCA02	37	37	36	55	55	55	55	-	-	38	38	36	37	31	29	33	29	38	31	39	30	44	48	43	48	43	43	43	35	46	36	43	38
312 GREAT WESTERN HWY, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	29	32	30	31	25	23	27	18	27	20	30	21	35	39	34	39	34	34	34	23	34	24	34	29
56 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	32	36	34	35	29	27	31	26	35	28	32	24	39	43	38	43	38	38	38	35	46	36	38	33
32 PHILLIP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	46	44	45	39	37	41	34	43	36	44	35	49	53	48	53	48	48	48	41	52	42	48	43
10 KING ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	44	42	43	37	35	39	30	39	32	42	33	47	51	46	51	46	46	46	36	47	37	46	41
9/6-10 BLAIR AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	44	42	43	37	35	39	34	43	36	45	36	51	55	50	55	50	50	50	42	53	43	50	45
1 KING ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	29	30	28	29	23	21	25	16	25	18	30	21	35	39	34	39	34	34	23	34	24	34	24	
117 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	26	29	27	28	22	20	24	14	23	16	27	18	30	34	29	34	29	29	29	20	31	21	29	24
145 GLOSSOP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	31	33	31	32	26	24	28	19	28	21	32	23	39	43	38	43	38	38	38	27	38	28	38	33
3 BROCK AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	45	48	46	47	41	39	43	35	44	37	46	37	52	56	51	56	51	51	51	41	52	42	51	46
SOUTH CREEK PARK 2 THE KINGSWAY, ST MARYS NSW 2760	Active Recreation	Recreational/Open Space	NCA02	37	37	36	65	65	65	65	-	-	38	42	40	41	35	33	37	29	38	31	36	30	45	49	44	49	44	44	44	37	48	38	44	39
17 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	30	34	32	33	27	25	29	20	29	22	30	22	35	39	34	39	34	34	26	37	27	34	29	
1-3 PRINCESS MARY ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	41	45	43	44	38	36	40	32	41	34	41	33	48	52	47	52	47	47	47	39	50	40	47	42
185 CANBERRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	40	38	39	33	31	35	29	38	31	37	28	40	44	39	44	39	39	39	35	46	36	39	34
3 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	32	36	34	35	29	27	31	22	31	24	31	24	36	40	35	40	35	35	27	38	28	35	30	
ST MARYS SENIOR HIGH SCHOOL 6-50 KALANG AV, ST MARYS NSW 2760	Educational	Residential	NCA02	37	37	36	55	55	55	55	-	-	45	49	47	48	42	40	44	38	47	40	42	37	53	57	52	57	52	52	43	54	44	52	47	
35 THOMPSON AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	21	10	21	11	21	16
3/3 STATION ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	60	64	62	63	57	55	59	49	58	51	60	52	66	70	65	70	65	65	65	56	67	57	65	60
156 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	33	36	34	35	29	27	31	24	33	26	34	25	38	42	37	42	37	37	37	33	44	34	37	32
20 WATTLE AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	41	45	43	44	38	36	40	32	41	34	38	33	48	52	47	52	47	47	47	40	51	41	47	42
ST MARYS RAILWAY STATION 63 STATION ST, NORTH ST MARYS NSW 2760	Commercial	Transport/Infrastructure	NCA02	37	37	36	-	-	-	-	-	-	70	74	72	73	67	65	69	60	69	62	63	62	75	79	74	79	74	74	74	65	76	66	74	69
21 BLAIR AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	45	43	44	38	36	40	36	45	38	45	36	51	55	50	55	50	50	50	43	54	44	50	45
125 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	40	38	39	33	31	35	28	37	30	39	30	46	50	45	50	45	45	45	35	46	36	45	40
151 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	43	41	42	36	34	38	30	39	32	39	31	42	46	41	46	41	41	41	37	48	38	41	36
52A KING ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	31	35	33	34	28	26	30	24	33	26	32	23	36	40	35	40	35	35	35	30	41	31	35	30
43 POPLAR ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	37	38	36	37	31	29	33	27	36	29	38	29	39	43	38	43	38	38	38	32	43	33	38	33
26 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	41	39	40	34	32	36	29	38	31	37	29	42	46	41	46	41	41	35	46	36	41	36	
2/43 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	41	45	43	44	38	36	40	32	41	34	38	33	46	50	45	50	45	45	45	38	49	39	45	40
72 HOBART ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	40	38	39	33	31	35	24	33	26	35	28	43	47	42	47	42	42	42	33	44	34	42	37
13 CHAMPNESS CR, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	39	40	38	39	33	31	35	27	36	29	40	31	46	50	45	50	45	45	45	35	46	36	45	40
3/150 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	33	36	34	35	29	27	31	24	33	26	34	25	38											

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAEq)												Predicted Noise Levels - Construction Scenarios (LAmax)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfl	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
188 CANBERRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	28	31	29	30	24	22	26	16	25	18	29	20	33	37	32	37	32	32	22	33	23	32	27	
17/17-19 KURRAJONG RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	36	34	32	33	27	25	29	24	33	26	37	28	41	45	40	45	40	40	33	44	34	40	35	
SOUTH CREEK PARK 2 THE KINGSWAY, ST MARYS NSW 2760	Active Recreation	Recreational/Open Space	NCA02	37	37	36	65	65	65	65	-	-	38	42	40	41	35	33	37	28	37	30	37	30	45	49	44	49	44	44	34	45	35	44	39	
4/35-37 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	41	45	43	44	38	36	40	37	46	39	41	33	48	52	47	52	47	47	43	54	44	47	42	
52A KING ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	30	34	32	33	27	25	29	20	29	22	30	22	35	39	34	39	34	34	26	37	27	34	29	
28 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	42	40	41	35	33	37	30	39	32	41	32	44	48	43	48	43	43	36	47	37	43	38	
34 GLOSSOP ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	32	36	34	35	29	27	31	26	35	28	32	24	38	42	37	42	37	37	34	45	35	37	32	
97 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	46	46	44	45	39	37	41	38	47	40	47	38	52	56	51	56	51	51	47	58	48	51	46	
36 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	32	36	34	35	29	27	31	24	33	26	30	24	39	43	38	43	38	38	33	44	34	38	33	
5 PHILLIP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	47	51	49	50	44	42	46	35	44	37	47	39	51	55	50	50	50	50	42	53	43	50	45	
UNIT 8 160-162 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	38	36	37	31	29	33	30	39	32	39	30	47	51	46	51	46	46	36	47	37	46	41	
59 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	43	45	43	44	38	36	40	36	45	38	44	35	49	53	48	53	48	48	39	50	40	48	43	
1/32 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	46	44	45	39	37	41	36	45	38	45	36	50	54	49	54	49	49	42	53	43	49	44	
38 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	32	36	34	35	29	27	31	27	36	29	31	24	39	43	38	43	38	38	34	45	35	38	33	
16 NARIEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	42	40	41	35	33	37	30	39	32	38	30	44	48	43	48	43	43	36	47	37	43	38	
42 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	38	41	39	40	34	32	36	28	37	30	39	30	41	45	40	45	40	34	45	35	40	35		
79 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	35	38	36	37	31	29	33	26	35	28	36	27	40	44	39	44	39	39	31	42	32	39	34	
12 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	50	54	52	53	47	45	49	40	49	42	44	42	57	61	56	61	56	56	56	47	58	48	56	51
20 BLAIR AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	49	52	50	51	45	43	47	39	48	41	50	41	55	59	54	59	54	54	45	56	46	54	49	
ST MARYS DELIVERY CENTRE 5 KURRAJONG RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	33	37	35	36	30	28	32	25	34	27	34	25	41	45	40	45	40	40	33	44	34	40	35	
6/1 STATION ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	57	61	59	60	54	52	56	47	56	49	57	49	63	67	62	67	62	62	54	65	55	62	57	
151 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	28	32	30	31	25	23	27	22	31	24	27	20	34	38	33	38	33	33	29	40	30	33	28	
ST MARYS NORTH PUBLIC SCHOOL 24-40 WILLOW RD, NORTH ST MARYS NSW 2760	Educational	Residential	NCA01	38	38	38	55	55	55	55	-	-	43	47	45	46	40	38	42	33	42	35	40	35	50	54	49	54	49	49	40	51	41	49	44	
RIPPLES 1 CHARLES HACKETT DR, ST MARYS NSW 2760	Active Recreation	Recreational/Open Space	NCA02	37	37	36	65	65	65	65	-	-	35	39	37	38	32	30	34	28	37	30	33	27	42	46	41	46	41	41	36	47	37	41	36	
16 GIDLEY ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	44	42	43	37	35	39	32	41	34	43	34	49	53	48	53	48	48	39	50	40	48	43	
9 NARIEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	45	43	44	38	36	40	35	44	37	38	33	45	49	44	49	44	44	40	51	41	44	39	
15 WARATAH ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	46	44	45	39	37	41	35	44	37	41	34	50	54	49	54	49	49	41	52	42	49	44	
12/3 NARIEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	45	49	47	48	42	40	44	40	49	42	42	37	51	55	50	55	50	50	46	57	47	50	45	
28 KURRAJONG RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	43	46	44	45	39	37	41	34	43	36	44	35	50	54	49	54	49	49	40	51	41	49	44	
9 PARKLAWN PL, NORTH ST MARYS NSW 2760	Commercial	Commercial/Business	NCA01	38	38	38	70	70	70	70	-	-	44	48	46	47	41	39	43	35	44	37	42	36	50	54	49	54	49	49	41	52	42	49	44	
373 GREAT WESTERN HWY, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	36	38	36	37	31	29	33	29	38	31	37	28	41	45	40	45	40	40	35	46	36	40	35	
1/59 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	35	39	37	38	32	30	34	23	32	25	35	27	41	45	40	45	40	40	30	41	31	40	35	
149 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	38	36	37	31	29	33	28	37	30	40	31	47	51	46	51	46	46	35	46	36	46	41	
14 KUNGALA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	38	42	40	41	35	33	37	31	40	33	38	30	43	47	42	47	42	42	37	48	38	42	37	
7-11 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	48	52	50	51	45	43	47	39	48	41	49	40	54	58	53	58	53	53	45	56	46	53	48	
151 BRISBANE ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	30	34	32	33	27	25	29	20	29	22	31	22	35	39	34	39	34	34	27	38	28	34	29	
45 BIRCH ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	41	42	40	41	35	33	37	30	39	32	42	33	46	50	45	50	45	45	36	47	37	45	40	
157 GLOSSOP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	33	33	31	32	26	24	28	21	30	23	34	25	38	42	37	42	37	47	38	28	37	32		
7 PHILLIP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	42	46	44	45	39	37	41	33	42	35	43	34	47	51	46	51	46	46	39	50	40	46	41	
163 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	37	40	38	39	33	31	35	27	36	29	38	29	43	47	42	47	42	42	31	42	32	42	37	
36B CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	36	34	35	29	27	31	25	34	27	34	25	37	41	36	41	36	36	29	40	30	36	31	
28 CHAPEL ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	35	37	35	36	30	28	32	25	34	27	36	27	41	45	40	45	40	40	30	41	31	40	35	
9 LETHBRIDGE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	50	51	49	50	44	42	46	41	50	43	51	42	58	62	57	62	57	57	47	58	48	57	52	
4 ANZAC ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	36	40	38	39	33	31	35	28	37	30	35	28	43	47	42	47	42	42	35	46	36	42	37	
3/249 QUEEN ST, ST MARYS NSW 2760																																				

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAmax)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfl	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
THE VILLAGE SHOPPING CENTRE 10 CHARLES HACKETT DR, 410-422 GREAT WESTERN HWY, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	23	27	25	26	20	18	22	10	19	12	24	15	29	33	28	33	28	28	17	28	18	28	23	
12 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	56	60	58	59	53	51	55	45	54	47	44	48	62	66	61	66	61	61	52	63	53	61	56	
16 GIDLEY ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	45	49	47	48	42	40	44	36	45	38	46	37	49	53	48	53	48	48	41	52	42	48	43	
ST MARYS NORTH PUBLIC SCHOOL 24-40 WILLOW RD, NORTH ST MARYS NSW 2760	Educational	Residential	NCA01	38	38	38	55	55	55	55	-	-	35	39	37	38	32	30	34	27	36	29	31	27	40	44	39	44	39	39	39	33	44	34	39	34
30 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	33	37	35	36	30	28	32	29	38	31	33	25	40	44	39	44	39	39	39	37	48	38	39	34
22 CHAMPNESS CR, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	31	33	31	32	26	24	28	17	26	19	32	23	37	41	36	41	36	36	36	25	36	26	36	31
330 GREAT WESTERN HWY, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	46	44	45	39	37	41	33	42	35	44	35	49	53	48	53	48	48	48	39	50	40	48	43
40 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	43	41	42	36	34	38	31	40	33	42	33	46	50	45	50	45	45	37	48	38	45	40	
130 GLOSSOP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	35	37	35	36	30	28	32	25	34	27	36	27	43	47	42	47	42	42	41	42	32	42	37	
130 GLOSSOP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	30	32	30	31	25	23	27	17	26	19	31	22	37	41	36	41	36	36	36	25	36	26	36	31
111 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	32	36	34	35	29	27	31	29	38	31	33	24	42	46	41	46	41	41	39	50	40	41	36	
5 LETHBRIDGE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	50	52	50	51	45	43	47	40	49	42	51	42	58	62	57	62	57	57	47	58	48	57	52	
45 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	54	58	56	57	51	49	53	44	53	46	53	46	60	64	59	64	59	59	51	62	52	59	54	
15 BLAIR AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	35	38	36	37	31	29	33	24	33	26	36	27	41	45	40	45	40	40	30	41	31	40	35	
THE QUEEN STREET CENTRE 209 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	43	47	45	46	40	38	42	33	42	35	44	35	49	53	48	53	48	48	38	49	39	48	43	
27 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	31	35	33	34	28	26	30	19	28	21	32	23	37	41	36	41	36	36	27	38	28	36	31	
5/43 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	43	41	42	36	34	38	31	40	33	42	33	49	53	48	53	48	48	38	49	39	48	43	
49 POPLAR ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	38	38	36	37	31	29	33	27	36	29	39	30	41	45	40	45	40	40	33	44	34	40	35	
2 STAPLETON PDE, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	33	37	35	36	30	28	32	26	35	28	33	25	39	43	38	43	38	38	33	44	34	38	33	
133 FORRESTER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
205A QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	32	35	33	34	28	26	30	24	33	26	33	24	38	42	37	42	37	30	41	31	37	32		
10 CHESHAM ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	45	49	47	48	42	40	44	34	43	36	43	37	50	54	49	54	49	49	40	51	41	49	44	
29 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	36	40	38	39	33	31	35	28	37	30	36	28	43	47	42	47	42	42	34	45	35	42	37	
28 GIDLEY ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	48	46	47	41	39	43	36	45	38	45	36	50	54	49	54	49	49	42	53	43	49	44	
42 GIDLEY ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	45	43	44	38	36	40	34	43	36	42	33	45	49	44	49	44	44	39	50	40	44	39	
167 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	44	42	43	37	35	39	32	41	34	43	34	47	51	46	51	46	46	46	39	50	40	46	41
21 HARRIS ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	47	43	41	42	36	34	38	28	37	30	48	39	45	49	44	49	44	44	35	46	36	44	39	
ST MARYS SENIOR HIGH SCHOOL 6-50 KALANG AV, ST MARYS NSW 2760	Educational	Residential	NCA02	37	37	36	55	55	55	55	-	-	40	44	42	43	37	35	39	31	40	33	36	32	46	50	45	50	45	45	37	48	38	45	40	
36 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	28	32	30	31	25	23	27	18	27	20	28	20	34	38	33	38	33	33	25	36	26	33	28	
249 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	40	42	40	41	35	33	37	31	40	33	41	32	47	51	46	51	46	46	46	37	48	38	46	41
131 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	41	45	43	44	38	36	40	35	44	37	42	33	48	52	47	52	47	47	42	53	43	47	42	
4 BENALONG ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	38	42	40	41	35	33	37	29	38	31	37	30	42	46	41	46	41	41	34	45	35	41	36	
16 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	42	42	40	41	35	33	37	33	42	35	43	34	49	53	48	53	48	48	39	50	40	48	43	
4 ANZAC ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	37	41	39	40	34	32	36	30	39	32	36	29	44	48	43	48	43	43	37	48	38	43	38	
2/65 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	40	41	39	40	34	32	36	31	40	33	41	32	45	49	44	49	44	44	35	46	36	44	39	
15-33 GLOSSOP ST, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	42	46	44	45	39	37	41	34	43	36	40	34	49	53	48	53	48	48	41	52	42	48	43	
1 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	34	38	36	37	31	29	33	28	37	30	33	26	40	44	39	44	39	49	39	50	40	44	39	
12 MAXIM PL, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	28	31	29	30	24	22	26	22	31	24	29	20	34	38	33	38	33	33	27	38	28	33	28	
14 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	32	34	32	33	27	25	29	24	33	26	33	24	37	41	36	41	36	36	30	41	31	36	31	
373 GREAT WESTERN HWY, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	33	36	34	35	29	27	31	26	35	28	34	25	38	42	37	42	37	37	31	42	32	37	32	
ST MARYS PUBLIC SCHOOL 2-6 PRINCESS MARY ST, ST MARYS NSW 2760	Educational	Mixed Use	NCA02	37	37	36	55	55	55	55	-	-	39	42	40	41	35	33	37	30	39	32	40	31	45	49	44	49	44	44	36	47	37	44	39	
12 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	44	42	40	41	35	33	37	33	42	35	45	36	50	54	49	54	49	49	39	50	40	49	44	
2 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	28	31	29	30	24	22	26	15	24	17	29	20	35	39	34	39	34	34	23	34	24	34	29	
34 THOMPSON AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	31	34	32	33	27	25	29	18	27	20	32	23	36	40	35	40	35	35	25	36				

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAMax)												
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfl	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	
26 GLOSSOP ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	34	38	36	37	31	29	33	29	38	31	33	26	42	46	41	46	41	41	41	38	49	39	41	36	
10 FORRESTER RD, ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	-	75	75	-	75	-	51	54	52	53	47	45	49	42	51	44	52	43	58	62	57	62	57	57	57	50	61	51	57	52	
29 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	-	43	-	41	45	43	44	38	36	40	31	40	33	42	33	48	52	47	52	47	47	47	37	48	38	47	42	
19 KUNGALA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	35	39	37	38	32	30	34	25	34	27	34	27	40	44	39	44	39	39	39	31	42	32	39	34	
5 CAMIRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	-	41	-	43	42	40	41	35	33	37	29	38	31	44	35	45	49	44	49	44	44	34	48	38	44	39		
30 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	-	41	-	43	42	40	41	35	33	37	29	38	31	44	35	45	49	44	49	44	44	34	48	38	44	39		
ST MARYS SENIOR HIGH SCHOOL 6-50 KALANG AV, ST MAR	Educational	Residential	NCA02	37	37	36	-	55	55	-	55	-	29	32	30	31	25	23	27	16	25	18	30	21	35	39	34	39	34	34	23	34	24	34	29		
13 BLAIR AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	39	37	38	32	30	34	26	35	28	37	28	41	45	40	45	40	40	32	43	33	40	35		
29 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	-	43	-	41	45	43	44	38	36	40	31	40	33	42	33	48	52	47	52	47	47	37	48	38	47	42		
UNIT 5 148 BRISBANE ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	-	41	-	43	42	40	41	25	23	27	20	22	31	24	32	23	37	41	36	41	36	36	36	27	38	28	36	31
39 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	-	43	-	41	45	43	44	38	36	40	31	40	33	43	34	46	50	45	50	45	45	37	48	38	45	40		
1 KALANG AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	40	38	39	33	31	35	29	38	31	35	28	42	46	41	46	41	41	36	47	37	41	36		
89 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	-	70	70	-	70	-	47	51	49	50	44	42	46	39	48	41	48	39	53	57	52	57	52	52	46	57	47	52	47		
104 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	-	70	70	-	70	-	42	44	42	43	37	35	39	33	42	35	43	34	48	52	47	52	47	47	39	50	40	47	42		
16 LETHBRIDGE ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	41	42	40	41	35	33	37	29	38	31	42	33	50	54	49	54	49	49	38	49	39	49	44		
139 FORRESTER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	-	43	-	29	33	31	32	26	24	28	24	33	26	28	21	35	39	34	39	34	34	30	41	31	34	29		
7 ARALUEN AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	-	41	-	43	42	40	41	35	33	37	32	41	34	36	30	44	48	43	48	43	43	40	51	41	43	38		
SOUTH CREEK PARK 2 THE KINGSWAY, ST MARYS NSW 2760	Active Recreation	Recreational/Open Space	NCA02	37	37	36	-	65	65	-	65	-	38	42	40	41	35	33	37	30	39	32	34	30	45	49	44	49	44	44	37	48	38	44	39		
312 GREAT WESTERN HWY, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	24	27	25	26	20	18	22	11	20	13	25	16	29	33	28	33	28	28	17	28	18	28	23		
38 AUSTRALIA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	29	32	30	31	25	23	27	17	26	19	30	21	34	38	33	38	33	33	23	34	24	33	28		
48 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	42	46	44	45	39	37	41	31	40	33	40	34	48	52	47	52	47	47	37	48	38	47	42		
UNIT 2 2-6 MAMRE RD, NORTH ST MARYS NSW 2760	Public Building	Residential	NCA02	37	37	36	-	60	60	-	60	-	39	42	40	41	35	33	37	30	39	32	40	31	44	48	43	48	43	43	37	48	38	43	38		
27 LITTLE CHAPEL ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	38	36	37	31	29	33	26	35	28	37	28	42	46	41	46	41	41	31	42	32	41	36		
24 GLOSSOP ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	31	35	33	34	28	26	30	24	33	26	30	23	38	42	37	42	37	37	32	43	33	37	32		
2 KURRAJONG RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	-	43	-	41	45	43	44	38	36	40	31	40	33	43	34	46	50	45	50	45	45	35	46	36	45	40		
69 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	-	75	75	-	75	-	42	45	43	44	38	36	40	38	47	40	42	33	46	50	45	50	45	45	41	52	42	45	40		
6 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	-	41	-	49	52	50	51	45	43	47	37	46	39	50	41	56	60	55	60	55	55	44	55	45	55	50		
181C QUEEN ST, ST MARYS NSW 2760	Medical	Mixed Use	NCA02	37	37	36	-	65	65	-	65	-	41	44	42	43	37	35	39	33	42	35	42	33	47	51	46	51	46	46	39	50	40	46	41		
13 BROCK AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	-	41	-	38	39	37	38	32	30	34	29	38	31	39	30	44	48	43	48	43	43	34	45	35	43	38		
60 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	-	43	-	41	45	43	44	38	36	40	38	47	40	42	33	46	50	45	50	45	45	41	52	42	45	40		
14 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	-	41	-	36	37	35	36	30	28	32	24	33	26	37	28	43	47	42	47	42	42	31	42	32	42	37		
48 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	-	43	-	43	47	45	46	40	38	42	34	43	36	41	35	49	53	48	53	48	48	41	52	42	48	43		
18-20 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	-	41	-	48	51	49	50	44	42	46	36	45	38	49	40	55	59	54	59	54	54	43	54	44	54	49		
17 CHAMPNESS CR, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	43	43	41	42	36	34	38	32	41	34	44	35	51	55	50	55	50	50	39	50	40	50	45		
29 LETHBRIDGE ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	40	41	39	40	34	32	36	31	40	33	41	32	46	50	45	50	45	45	36	47	37	45	40		
50 AUSTRALIA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16		
18 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	34	38	36	37	31	29	33	30	39	32	34	26	40	44	39	44	39	39	37	48	38	39	34		
ST MARYS NORTH PUBLIC SCHOOL 24-40 WILLOW RD, NOR	Educational	Residential	NCA01	38	38	38	-	55	55	-	55	-	41	45	43	44	38	36	40	30	39	32	40	33	46	50	45	50	45	45	38	49	39	45	40		
23 CHAMPNESS CR, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	-	47	42	-	41	-	44	48	46	47	41	39	43	35	44	37	45	36	52	56	51	56	51	51	41	52	42	51	46		
101-103 FORRESTER RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	-	75	75	-	75	-	37	41	39	40	34	32	36	33	42	35	36	29	42	46	41	46	41	41	40	51	41	41	36		
30 CEDAR CR, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	-	43	-	34	37	35	36	30	28	32	24	33	26	35	26	38	42	37	42	37	37	31	42	32	37	32		
58 THOMPSON AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	28	32	30	31	25	23	27	16	25	18	29	20	33	37	32	37	32	32	22	33	23	32	27		
SOUTH CREEK PARK 2 THE KINGSWAY, ST MARYS NSW 2760	Active Recreation	Recreational/Open Space	NCA02	37	37	36	-	65	65	-	65	-	34	38	36	37	31	29	33	28	37	30	34	26	45	49	44	49	44	44	36	47	37	44	39		
12 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	-	48	43	-	43	-	40	44	42	43	37	35	39	34	43	36	35	32	49	53	48	53	48	48	41	52	42	48	43		
SOUTH CREEK PARK 2 THE KINGSWAY, ST MARYS NSW 2760	Active Recreation	Recreational/Open Space	NCA02	37	37	36	-	65	65	-	65	-	38	42	40	41	35	33	37	29	38	31	38	30													

Receiver Details			NCA	Background Noise Level			Noise management Levels						Predicted Noise Levels - Construction Scenarios (LAeq)												Predicted Noise Levels - Construction Scenarios (LAmax)											
Address	Type	planning zone	NCA	RBL Day	RBL Evening	RBL Night	NML standard hrs	NML Day-OOH	NML Evening-OOH	NML Night-OOH	NML Sleep NPfl	NML_Sleep RNP	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
10 NARIEL ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	40	42	40	41	35	33	37	33	42	35	41	32	46	50	45	50	45	45	45	41	52	42	45	40
161 BRISBANE ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	33	35	33	34	28	26	30	20	29	22	34	25	37	41	36	41	36	36	36	27	38	28	36	31
13 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	34	38	36	37	31	29	33	29	38	31	34	26	41	45	40	45	40	40	40	37	48	38	40	35
27 KUNGALA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	32	36	34	35	29	27	31	23	32	25	32	24	38	42	37	42	37	37	30	41	31	37	32	
13 WATTLE AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	35	39	37	38	32	30	34	30	39	32	33	27	42	46	41	46	41	41	38	49	39	41	36	
26 KENNY AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	40	44	42	43	37	35	39	28	37	30	39	32	46	50	45	50	45	45	35	46	36	45	40	
329 GREAT WESTERN HWY, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	39	43	41	42	36	34	38	30	39	32	40	31	43	47	42	47	42	42	36	47	37	42	37	
53 AUSTRALIA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	33	34	32	33	27	25	29	21	30	23	34	25	40	44	39	44	39	39	28	39	29	39	34	
3B ROSS PL, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	43	47	45	46	40	38	42	33	42	35	44	35	46	50	45	50	45	45	37	48	38	45	40	
159 GLOSSOP ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
3/3 KURRAJONG RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	35	37	35	36	30	28	32	25	34	27	36	27	40	44	39	44	39	39	39	30	41	31	39	34
14 KURRAJONG RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	35	34	32	33	27	25	29	23	32	25	36	27	38	42	37	42	37	37	29	40	30	37	32	
4 PARKLAWN PL, NORTH ST MARYS NSW 2760	Commercial	Commercial/Business	NCA01	38	38	38	70	70	70	70	-	-	44	48	46	47	41	39	43	34	43	36	41	36	49	53	48	53	48	48	40	51	41	48	43	
20/1-3 PUTLAND ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	33	38	36	37	31	29	33	25	34	27	34	25	39	43	38	43	38	38	31	42	32	38	33	
188 CANBERRA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	36	39	37	38	32	30	34	28	37	30	37	28	42	46	41	46	41	41	34	45	35	41	36	
26 WARREGO ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	30	34	32	33	27	25	29	25	34	27	30	22	37	41	36	41	36	36	31	42	32	36	31	
247 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	34	36	34	35	29	27	31	28	37	30	35	26	40	44	39	44	39	39	34	45	35	39	34	
123 FORRESTER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	28	32	30	31	25	23	27	21	30	23	29	20	34	38	33	38	33	33	27	38	28	33	28	
10 OLEANDER RD, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	33	37	35	36	30	28	32	29	38	31	33	25	40	44	39	44	39	39	37	48	38	39	34	
13 NARIEL ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	41	39	40	34	32	36	30	39	32	37	29	43	47	42	47	42	42	37	48	38	42	37	
226 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	32	35	33	34	28	26	30	24	33	26	33	24	40	44	39	44	39	39	30	41	31	39	34	
12 BROCK AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	35	38	36	37	31	29	33	26	35	28	36	27	41	45	40	45	40	40	41	42	32	40	35	
10 DEBRINCAT AV, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	30	34	32	33	27	25	29	20	29	22	31	22	36	40	35	40	35	35	27	38	28	35	30	
12 BENALONG ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	38	42	40	41	35	33	37	31	40	33	37	30	45	49	44	49	44	44	38	49	39	44	39	
175 CANBERRA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	39	37	38	32	30	34	28	37	30	37	28	40	44	39	44	39	39	34	45	35	39	34	
1 BIRCH ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	33	37	35	36	30	28	32	22	31	24	32	25	38	42	37	42	37	37	28	39	29	37	32	
6/21 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	38	36	37	31	29	33	25	34	27	39	30	44	48	43	48	43	43	34	45	35	43	38	
10 BROCK AV, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	38	39	37	38	32	30	34	28	37	30	39	30	42	46	41	46	41	41	34	45	35	41	36	
37 CARINYA AV, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	37	41	39	40	34	32	36	28	37	30	37	29	43	47	42	47	42	42	35	46	36	42	37	
68 CATALINA ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	31	34	32	33	27	25	29	25	34	27	32	23	38	42	37	42	37	37	32	43	33	37	32	
79 QUEEN ST, ST MARYS NSW 2760	Commercial	Mixed Use	NCA02	37	37	36	70	70	70	70	-	-	44	48	46	47	41	39	43	37	46	39	45	36	50	54	49	54	49	49	45	56	46	49	44	
6 OLEANDER RD, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	40	44	42	43	37	35	39	33	42	35	38	32	48	52	47	52	47	47	42	53	43	47	42	
30 GLOSSOP ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	36	40	38	39	33	31	35	29	38	31	34	28	47	51	46	51	46	46	46	37	48	38	46	41
124 GLOSSOP ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	41	42	40	41	35	33	37	32	41	34	42	33	47	51	46	51	46	46	46	38	49	39	46	41
315 GREAT WESTERN HWY, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	30	32	30	31	25	23	27	18	27	20	31	22	35	39	34	39	34	34	23	34	24	34	29	
3/38 CHAPEL ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	45	47	45	46	40	38	42	37	46	39	46	37	52	56	51	56	51	51	43	54	44	51	46	
190A CANBERRA ST, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	35	36	34	35	29	27	31	25	34	27	36	27	43	47	42	47	42	42	32	43	33	42	37	
4 ELM ST, NORTH ST MARYS NSW 2760	Residential	Residential	NCA01	38	38	38	48	43	43	43	53	65	29	33	31	32	26	24	28	20	29	22	29	21	35	39	34	39	34	34	26	37	27	34	29	
12 STAPLETON PDE, ST MARYS NSW 2760	Garage	Residential	NCA02	37	37	36	-	-	-	-	-	-	17	21	19	20	14	12	16	4	13	6	18	9	22	26	21	26	21	21	10	21	11	21	16	
53 AUSTRALIA ST, ST MARYS NSW 2760	Residential	Residential	NCA02	37	37	36	47	42	42	41	52	65	36	36	34	35	29	27	31	27	36	29	37	28	43	47	42	47	42	42	34	45	35	42	37	
10 WARREGO ST, NORTH ST MARYS NSW 2760	Garage	Residential	NCA01	38	38	38	-	-	-	-	-	-	33	37	35	36	30	28	32	28	37	30	33	25	41	45	40	45	40	40	36	47	37	40	35	
11 KURRAJONG RD, NORTH ST MARYS NSW 2760	Industrial	Industrial/Utilities	NCA01	38	38	38	75	75	75	75	-	-	34	34	32	33	27	25	29	21	30	23	35	26	41	45	40	45	40	40	29	40	30	40	35	

Appendix D:

Sydney Metro CNVS Standard Mitigation Measures

Action required	Applies to	Details
Management Measures		
Implementation of any project specific mitigation measures required	Airborne noise Ground-borne noise and vibration	In addition to the measures set out in this table, any <i>project specific</i> mitigation measures identified in the environmental assessment documentation (e.g. EA, REF, submissions or representations report) or approval or licence conditions must be implemented.

Action required	Applies to	Details
Implement community consultation measures	Airborne noise Ground-borne noise and vibration	Periodic Notification (monthly letterbox drop) ¹ Website Project information and construction response telephone line Email distribution list Place Managers
Register of Noise Sensitive Receivers	Airborne noise Ground-borne noise and vibration	A register of all noise and vibration sensitive receivers (NSRs) would be kept on site. The register would include the following details for each NSR: <ul style="list-style-type: none"> • Address of receiver • Category of receiver (e.g. Residential, Commercial etc.) • Contact name and phone number
Site inductions	Airborne noise Ground-borne noise and vibration	All employees, contractors and subcontractors are to receive an environmental induction. The induction must at least include: <ul style="list-style-type: none"> • All relevant project specific and standard noise and vibration mitigation measures • Relevant licence and approval conditions • Permissible hours of work • Any limitations on high noise generating activities • Location of nearest sensitive receivers • Construction employee parking areas • Designated loading/unloading areas and procedures • Site opening/closing times (including deliveries) • Environmental incident procedures
Behavioural practices	Airborne noise	No swearing or unnecessary shouting or loud stereos/radios; on site. No dropping of materials from height; throwing of metal items; and slamming of doors. No excessive revving of plant and vehicle engines Controlled release of compressed air.
Monitoring	Airborne noise Ground-borne noise and vibration	A noise monitoring program is to be carried out for the duration of the works in accordance with the Construction Noise and Vibration Management Plan and any approval and licence conditions.

Action required	Applies to	Details
Attended vibration measurements	Ground-borne vibration	Attended vibration measurements are required at the commencement of vibration generating activities to confirm that vibration levels satisfy the criteria for that vibration generating activity. Where there is potential for exceedances of the criteria further vibration site law investigations would be undertaken to determine the site-specific safe working distances for that vibration generating activity. Continuous vibration monitoring with audible and visible alarms would be conducted at the nearest sensitive receivers whenever vibration generating activities need to take place inside the applicable safe-working distances.
Source Controls		
Construction hours and scheduling	Airborne noise Ground-borne noise and vibration	Where feasible and reasonable, construction would be carried out during the standard daytime working hours. Work generating high noise and/or vibration levels would be scheduled during less sensitive time periods.
Construction respite period	Ground-borne noise and vibration Airborne noise	High noise and vibration generating activities ² may only be carried out in continuous blocks, not exceeding 3 hours each, with a minimum respite period of one hour between each block ³ .
Equipment selection	Airborne noise Ground-borne noise and vibration	Use quieter and less vibration emitting construction methods where feasible and reasonable. For example, when piling is required, bored piles rather than impact-driven piles will minimise noise and vibration impacts. Similarly, diaphragm wall construction techniques, in lieu of sheet piling, will have significant noise and vibration benefits.
Maximum noise levels	Airborne-noise	The noise levels of plant and equipment must have operating Sound Power Levels compliant with the criteria in Table 13 .
Rental plant and equipment	Airborne-noise	The noise levels of plant and equipment items are to be considered in rental decisions and in any case cannot be used on site unless compliant with the criteria in Table 13 .
Plan worksites and activities to minimise noise and vibration	Airborne noise Ground-borne vibration	Plan traffic flow, parking and loading/unloading areas to minimise reversing movements within the site.
Non-tonal reversing alarms	Airborne noise	Non-tonal reversing beepers (or an equivalent mechanism) must be fitted and used on all construction vehicles and mobile plant regularly used on site and for any out of hours work.

Action required	Applies to	Details
Minimise disturbance arising from delivery of goods to construction sites	Airborne noise	<p>Loading and unloading of materials/deliveries is to occur as far as possible from NSRs</p> <p>Select site access points and roads as far as possible away from NSRs</p> <p>Dedicated loading/unloading areas to be shielded if close to NSRs</p> <p>Delivery vehicles to be fitted with straps rather than chains for unloading, wherever feasible and reasonable</p>
Path Controls		
Shield stationary noise sources such as pumps, compressors, fans etc	Airborne noise	<p>Stationary noise sources would be enclosed or shielded whilst ensuring that the occupational health and safety of workers is maintained.</p> <p>Appendix F of AS 2436: 1981 lists materials suitable for shielding.</p>
Shield sensitive receivers from noisy activities	Airborne noise	<p>Use structures to shield residential receivers from noise such as site shed placement; earth bunds; fencing; erection of operational stage noise barriers (where practicable) and consideration of site topography when siting plant.</p>

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