



Noise and Vibration Technical Report Addendum

Singleton Bypass - Concept Design and Environmental Assessment

14-Sep-2023
Doc No. 60558931_DOC_ENV_016

Noise and Vibration Technical Report Addendum

Singleton Bypass - Concept Design and Environmental Assessment

Client: Transport for NSW

ABN: 76 236 371 088

Prepared by

AECOM Australia Pty Ltd

Gadigal Country, Level 21, 420 George Street, Sydney NSW 2000, PO Box Q410, QVB Post Office NSW 1230, Australia

T +61 2 8008 1700 www.aecom.com

ABN 20 093 846 925

14-Sep-2023

Job No.: 60558931

AECOM in Australia and New Zealand is certified to ISO9001, ISO14001 and ISO45001.


© AECOM Australia Pty Ltd (AECOM). All rights reserved.

AECOM has prepared this document for the sole use of the Client and for a specific purpose, each as expressly stated in the document. No other party should rely on this document without the prior written consent of AECOM. AECOM undertakes no duty, nor accepts any responsibility, to any third party who may rely upon or use this document. This document has been prepared based on the Client's description of its requirements and AECOM's experience, having regard to assumptions that AECOM can reasonably be expected to make in accordance with sound professional principles. AECOM may also have relied upon information provided by the Client and other third parties to prepare this document, some of which may not have been verified. Subject to the above conditions, this document may be transmitted, reproduced or disseminated only in its entirety.

Quality Information

Document Noise and Vibration Technical Report Addendum
 Ref 60558931
 Date 14-Sep-2023
 Originator Jack Robinson
 Checker/s Geoff Lucas
 Verifier/s Gayle Greer

Revision History

Rev	Revision Date	Details	Approved	
			Name/Position	Signature
0	2-Nov-2022	Draft Addendum 1	Ian Leach Project Manager	
1	20-Dec-2022	Draft Addendum 2	Ian Leach Project Manager	
2	27-Jul-2023	Draft Addendum 3	Ian Leach Project Manager	
3	14-Sep-2023	Final Addendum	Ian Leach Project Manager	

This page has been left blank
intentionally.

Table of Contents

Glossary of Acoustic Terminology	i
Executive Summary	v
1.0 Introduction	1
1.1 Purpose of this addendum report	1
1.1 Description of the proposed modification	1
1.2 Main features of the modifications	1
1.3 Construction activities	2
1.3.1 Bridge construction	2
1.3.2 Construction of the full interchange at Putty Road connection	2
1.3.3 Relocation of the Singleton water pumping station and standpipe	2
1.4 Ancillary facilities	3
1.4.1 Southern connection laydown area	3
1.4.2 Waterworks Lane construction compound	3
1.4.3 Gowrie Gates construction compound	3
1.4.4 Northern Cut construction compound	4
2.0 Noise and vibration criteria	6
2.1 Existing environment	6
2.2 Construction noise and vibration criteria	6
2.3 Operational noise and vibration criteria	6
3.0 Assessment of construction noise and vibration impacts	7
3.1 Construction ancillary facilities	7
3.2 Construction hours	7
3.3 Construction noise modelling and prediction	7
3.3.1 Activities within standard hours	8
3.3.2 Activities outside standard hours	12
3.4 Sleep disturbance	14
3.5 Construction vibration	16
3.5.1 Surface works	16
3.5.2 Residential buildings and receivers	16
3.5.3 Heritage and other sensitive structures	17
3.6 Overall impact of modification on construction noise and vibration	17
4.0 Assessment of operational noise impacts	19
4.1 Road traffic noise assessment	19
4.1.1 Noise modelling scenarios	19
4.1.2 Noise modelling results with no barriers	19
4.1.3 Noise barrier assessment	20
4.1.4 Noise modelling results with barriers	20
4.1.5 Noise sensitive receivers eligible for consideration of additional noise mitigation	21
4.2 Overall impact of modification on road traffic noise	28
5.0 Conclusion	29
5.1 Construction Impacts	29
5.2 Operational Impacts	30
Appendix A	
Construction noise contours	A
Appendix B	
Traffic Noise Levels	B
Appendix C	
Traffic Noise Contours	C
Appendix D	
Noise Barrier Assessment	D
Appendix E	
Receivers eligible for consideration of at-receiver treatment	E

List of Tables

Table 3-1 Ancillary facility construction works	7
Table 3-2 Southern connection laydown area – Standard hours work	8
Table 3-3 Waterworks Lane construction compound – Standard hours work	9
Table 3-4 Gowrie Gates construction compound – Standard hours work	9
Table 3-5 Northern Cut construction compound – Standard hours work	10
Table 3-6 Works along the alignment – Standard hours work	11
Table 3-7 Southern connection laydown area – Out of hours work	12
Table 3-8 Waterworks Lane construction compound – Out of hours work	12
Table 3-9 Gowrie Gates construction compound – Out of hours work	12
Table 3-10 Northern Cut construction compound – Out of hours work	13
Table 3-11 Works along the alignment – Out of hours work	13
Table 3-12 Southern connection laydown area – Out of hours work – Sleep disturbance	14
Table 3-13 Waterworks Lane construction compound – Out of hours work – Sleep disturbance	14
Table 3-14 Gowrie Gates construction compound – Out of hours work – Sleep disturbance	14
Table 3-15 Northern Cut construction compound – Out of hours work – Sleep disturbance	15
Table 3-16 Works along the alignment – Out of hours work – Sleep disturbance	15
Table 3-17 Recommended minimum working distances for vibration intensive plant	16
Table 3-18 Consistency assessment of proposed modification on construction noise and vibration impacts	17
Table 4-1 Design noise barrier heights	20
Table 4-2 Receivers eligible for consideration of additional mitigation measures	22
Table 4-3 Consistency assessment of proposed modification on road traffic noise impacts	28

List of Figures

Figure 1-1: Construction ancillary facilities and haulage routes	5
--	---

This page has been left blank
intentionally.

Glossary of Acoustic Terminology

The following is a brief description of acoustic terminology used in this report.

<i>Sound power level</i>	The total sound emitted by a source.																						
<i>Sound pressure level</i>	The amount of sound at a specified point.																						
<i>Decibel [dB]</i>	The measurement unit of sound.																						
<i>A Weighted decibels [dB(A)]</i>	The A weighting is a frequency filter applied to measured noise levels to represent how humans hear sounds. The A-weighting filter emphasises frequencies in the speech range (between 1kHz and 4 kHz) which the human ear is most sensitive to, and places less emphasis on low frequencies at which the human ear is not so sensitive. When an overall sound level is A-weighted it is expressed in units of dB(A).																						
<i>Decibel scale</i>	<p>The decibel scale is logarithmic in order to produce a better representation of the response of the human ear. A 3 dB increase in the sound pressure level corresponds to a doubling in the sound energy. A 10 dB increase in the sound pressure level corresponds to a perceived doubling in volume. Examples of decibel levels of common sounds are as follows:</p> <table> <tr> <td>0dB(A)</td> <td>Threshold of human hearing</td> </tr> <tr> <td>30dB(A)</td> <td>A quiet country park</td> </tr> <tr> <td>40dB(A)</td> <td>Whisper in a library</td> </tr> <tr> <td>50dB(A)</td> <td>Open office space</td> </tr> <tr> <td>70dB(A)</td> <td>Inside a car on a freeway</td> </tr> <tr> <td>80dB(A)</td> <td>Outboard motor</td> </tr> <tr> <td>90dB(A)</td> <td>Heavy truck pass-by</td> </tr> <tr> <td>100dB(A)</td> <td>Jackhammer/Subway train</td> </tr> <tr> <td>110 dB(A)</td> <td>Rock Concert</td> </tr> <tr> <td>115dB(A)</td> <td>Limit of sound permitted in industry</td> </tr> <tr> <td>120dB(A)</td> <td>747 take off at 250 metres</td> </tr> </table>	0dB(A)	Threshold of human hearing	30dB(A)	A quiet country park	40dB(A)	Whisper in a library	50dB(A)	Open office space	70dB(A)	Inside a car on a freeway	80dB(A)	Outboard motor	90dB(A)	Heavy truck pass-by	100dB(A)	Jackhammer/Subway train	110 dB(A)	Rock Concert	115dB(A)	Limit of sound permitted in industry	120dB(A)	747 take off at 250 metres
0dB(A)	Threshold of human hearing																						
30dB(A)	A quiet country park																						
40dB(A)	Whisper in a library																						
50dB(A)	Open office space																						
70dB(A)	Inside a car on a freeway																						
80dB(A)	Outboard motor																						
90dB(A)	Heavy truck pass-by																						
100dB(A)	Jackhammer/Subway train																						
110 dB(A)	Rock Concert																						
115dB(A)	Limit of sound permitted in industry																						
120dB(A)	747 take off at 250 metres																						
<i>Frequency [f]</i>	The repetition rate of the cycle measured in Hertz (Hz). The frequency corresponds to the pitch of the sound. A high frequency corresponds to a high pitched sound and a low frequency to a low pitched sound.																						
<i>Equivalent continuous sound level [L_{eq}]</i>	The constant sound level which, when occurring over the same period of time, would result in the receiver experiencing the same amount of sound energy.																						
L_{max}	The maximum sound pressure level measured over the measurement period.																						
L_{min}	The minimum sound pressure level measured over the measurement period.																						
L_{10}	The sound pressure level exceeded for 10% of the measurement period. For 10% of the measurement period it was louder than the L_{10} .																						

<i>L₉₀</i>	The sound pressure level exceeded for 90% of the measurement period. For 90% of the measurement period it was louder than the L ₉₀ .
<i>Ambient noise</i>	The all-encompassing noise at a point composed of sound from all sources near and far.
<i>Background noise</i>	The underlying level of noise present in the ambient noise when extraneous noise (such as transient traffic and dogs barking) is removed. The L ₉₀ sound pressure level is used to quantify background noise.
<i>Traffic noise</i>	The total noise resulting from road traffic. The L _{eq} sound pressure level is used to quantify traffic noise.
<i>Day</i>	The period from 0700 to 1800 h Monday to Saturday and 0800 to 1800 h Sundays and Public Holidays.
<i>Evening</i>	The period from 1800 to 2200 h Monday to Sunday and Public Holidays.
<i>Night</i>	The period from 2200 to 0700 h Monday to Saturday and 2200 to 0800 h Sundays and Public Holidays.
<i>Assessment background level [ABL]</i>	The overall background level for each day, evening and night period for each day of the noise monitoring.
<i>Rating background level [RBL]</i>	The overall background level for each day, evening and night period for the entire length of noise monitoring.
Existing road traffic noise model	A model of the existing roads that calculates existing road traffic noise levels. This is used for model validation purposes with concurrently measured road traffic noise levels and traffic counts.
<i>Design noise model</i>	A model of the proposal as it was designed, that calculates road traffic noise levels.
<i>Year of opening</i>	The year that the proposal opens (2026).
<i>Design year</i>	Ten years after the proposal opens (2036).
<i>'Do minimum' option</i>	The 'do minimum' option represents the scenario if the proposal was not to proceed. It is called 'Do Minimum' rather than Do Nothing as it assumes that ongoing improvements would be made to the broader road and public transport network including some new infrastructure and intersection improvements to improve capacity and cater for traffic growth.
<i>Design option</i>	This scenario includes the proposal design alignment. The Road Noise Policy, Road Noise Criteria Guideline, and Road Noise Mitigation Guideline refer to this as the 'Build' scenario.

*Definitions of a number of terms have been adapted from Australian Standard AS1633:1985 "Acoustics – Glossary of terms and related symbols", the EPA's Noise Policy for Industry and the EPA's NSW Road Noise Policy.

Abbreviations

Term	Meaning
AADT	Annual Average Daily Traffic
CNVMP	Construction Noise and Vibration Management Plan
dB	Decibel
DECC	Department of Environment and Climate Change
DECCW	Department of Environment, Climate Change and Water
EPA	Environment Protection Authority
EP&A Act	<i>Environmental Planning and Assessment Act 1979 (NSW)</i>
EP&A Regulation	Environmental Planning and Assessment Regulation 2000 (NSW)
EPL	Environment Protection Licence
Heritage Act	<i>Heritage Act 1977 (NSW)</i>
ICNG	<i>Interim Construction Noise Guideline</i> (Department of Environment and Climate Change, 2009).
Transport and Infrastructure SEPP	<i>State Environmental Planning Policy (Transport and Infrastructure) 2021 (NSW)</i>
LEP	Local Environmental Plan
LGA	Local Government Area
NCA	Noise Catchment Area
NML	Noise Management Level
NPfi	<i>Noise Policy for Industry</i> (Environment Protection Authority, 2017)
NSW	New South Wales
OEH	NSW Office of the Environment and Heritage
OOHW	Out of Hours Works
POEO Act	<i>Protection of the Environment Operations Act 1997 (NSW)</i>
RBL	Rating Background Level
REF	Review of Environmental Factors
Roads and Maritime	Roads and Maritime Services
SEPP	State Environmental Planning Policy
SHR	State Heritage Register
Transport	Transport for NSW
VDV	Vibration Dose Value

This page has been left blank
intentionally.

Executive Summary

Transport for NSW proposes to modify the New England Highway bypass of Singleton project. AECOM Australia Pty Ltd (AECOM) prepared a Review of Environmental Factors (REF) for the New England Highway bypass of Singleton (the Proposal) (AECOM, 2019a), including a Noise and Vibration Technical Paper (Technical Paper) (November 2019) (AECOM, 2019b).

Following public display of the REF, ongoing design development and construction planning resulted in design changes to the Proposal. This report is an addendum to the Technical Paper and assesses these changes (the proposed modification). This addendum should be read in conjunction with the Technical Paper.

Construction noise

A construction noise and vibration impact assessment has been completed in accordance with the Environment Protection Authority's *Interim Construction Noise Guideline* and the *Construction Noise and Vibration Guideline* and was documented in the Technical Report. The assessment has been updated to consider the proposed modifications.

The assessment indicates exceedances of the *Interim Construction Noise Guideline* noise management levels at some sensitive receivers during standard hours works. Exceedances of the construction noise management levels would be generally less than 10 dB(A) at the Southern connection laydown area, Waterworks Lane, Gowrie Gates and Northern Cut construction compounds. Up to six receivers are predicted to be highly noise affected close to the Waterworks Lane construction compound. The noisiest construction works would be site establishment activities.

Noise levels from the works associated with the alignment would exceed the noise management levels at nearby receivers during a number of scenarios. The pavement and earthworks are likely to cause the largest number of exceedances of the noise management levels. Most exceedances would be less than 10 dB(A), however some would be greater than 20 dB(A). Up to eight residences would be highly noise affected during these works.

During out of hours works exceedances of the noise management levels would occur at some sensitive receivers. Exceedances would be generally less than 15 dB(A) at the Southern connection laydown areas and generally less than 25 dB(A) at the Waterworks Lane, Gowrie Gates and Northern Cut construction compounds, although some exceedances greater than 25 dB(A) could occur. The noisiest construction works would be the laydown works.

Noise levels from the works associated with the alignment would exceed the noise management levels at nearby receivers during a number of scenarios. The pavement works are likely to cause the largest number of exceedances and sleep awakening reactions. Most exceedances would be less than 25 dB(A), however some would be greater.

Overall the pavement works would have the greatest impacts (considering timing, duration, and noise impacts). This work would be undertaken during standard hours and out of hours at times. As the pavement works are progressive in nature receivers will not be affected for the whole duration of construction works. As recommended in the Technical Paper noise mitigation and management measures would need to be developed by the contractor to reduce the potential noise impacts from the works.

The Technical Paper recommended minimum working distances for vibration intensive construction works, these remain unchanged. Vibration intensive activities during site establishment works for the Southern connection laydown area, the Waterworks Lane construction compound and the Gowrie Gates construction compound may occur within the human comfort minimum working distances at times. For the alignment works vibration intensive activities may occur within the human comfort minimum working distances during earthworks, bridge construction and pavement works. Advance notification should be given to all potentially affected receivers.

Mitigation measures outlined in the Technical Paper (November 2019) would manage potential noise impacts associated with this activity. No additional mitigation measures are required, however the area where these mitigation measures are required has been updated.

Operational Impacts

An operational road traffic impact noise assessment has been completed in accordance with the Environment Protection Authority's *NSW Road Noise Policy* and Transport for NSW's *Road Noise Criteria Guideline* and *Road Noise Mitigation Guideline* and documented in the Technical Report. The assessment has been updated to consider the proposed modifications.

Noise levels have been predicted at sensitive receiver locations throughout the operational noise study area for both the daytime and night-time scenarios. Exceedances of the applicable noise criteria have been identified. A barrier assessment was completed for barriers one to three which are located south of Singleton and Glenridding. No changes to the proposed barrier heights and locations were found to be required.

Assuming the construction of the six noise barriers, as documented in the Technical Report, 103 noise sensitive receivers are considered to be eligible for the consideration of at-receiver noise treatment. This includes 37 receivers in Darlington, 34 in Glenridding, 13 in Singleton Heights, 11 in Singleton, three in Whittingham, four in McDougalls Hill and one in Rixs Creek.

At-receiver treatments may include, but are not limited to, ventilation, glazing, window and door seals, sealing of vents and underfloor areas. These recommendations would be reviewed and confirmed at the detailed design phase when more specific information would be available for each property.

1.0 Introduction

1.1 Purpose of this addendum report

Transport for NSW proposes to modify the New England Highway bypass of Singleton project. AECOM Australia Pty Ltd (AECOM) prepared a Review of Environmental Factors (REF) for the New England Highway bypass of Singleton (the Proposal) (AECOM, 2019a), including a Noise and Vibration Technical Paper (Technical Paper) (November 2019) (AECOM, 2019b).

Following public display of the REF, ongoing design development and construction planning resulted in design changes to the Proposal. These changes are detailed in Section 1.2 below.

This report is an addendum to the Technical Paper to assesses these changes (the proposed modification). This addendum should be read in conjunction with the Technical Paper.

1.1 Description of the proposed modification

The proposed modifications are as follows:

- Reconfiguration of the southern connection to include a 600-metre-long bridge over the floodplain, with the southern connection northbound exit ramp to pass under the bridge
- Increasing the bridge over the Main North railway line, Doughboy Hollow and Hunter River floodplain, Army Camp Road, Putty Road and the northbound entry and exit ramps at the Putty Road connection from 1.7 kilometres to 1.84 kilometres in length (bridge over the floodplain)
- Inclusion of a southbound entry ramp and northbound exit ramp at the Putty Road connection to create a full interchange via a new roundabout at Putty Road
- Minor modifications to property adjustments including access arrangements
- Minor modifications to utility adjustments and drainage
- Inclusion of Approach signage at intervals along the New England Highway prior to reaching Singleton and the bypass
- Relocation of the Singleton Council water pump station and standpipe
- Changes to construction ancillary facilities including modifications to approved locations and inclusion of one additional site.

1.2 Main features of the modifications

1.2.1.1 Reconfiguration of the southern connection

Previously, the southern connection consisted of a 55-metre-long bridge over the bypass for vehicles continuing north to Singleton. The connection has been reconfigured to include a 600-metre-long bridge forming part of the bypass with the northbound exit ramp to Singleton passing under the new 600-metre-long bridge. The bridge design would be consistent with the design of the bridge over the floodplain described in section 3.2.3 of the project REF. The Newington Lane connection would not be altered by the reconfiguration however the modification has resulted in minor changes to the design of private property access arrangements described further below.

1.2.1.2 Increasing the length of the bridge over the floodplain

The length of the bridge over the floodplain has been increased from 1.7 kilometres to 1.84 kilometres in length. The extension is required to accommodate the full interchange at Putty Road. Subsequently, the bridge over the Putty Road northbound entry ramp has been removed, as the bridge over the floodplain to the south has been extended to the Putty Road connection.

1.2.1.3 Full interchange at Putty Road connection

The previous connection at Putty Road included a northbound entry ramp and a southbound exit ramp only. The proposed modification of the Putty Road connection allows for all movements including a southbound entry ramp and a northbound exit ramp, in addition to the southbound exit ramp and northbound entry ramp described in the project REF. This would provide better access to Singleton town centre from the bypass. Transport for NSW is committed to delivering a suitable solution for both motorists and the Singleton community.

1.3 Construction activities

The work methodology outlined in Section 3.3.1 of the project REF remains generally consistent with the approach that would be used for the proposed modification. Detailed work methodologies would be determined during detailed design and construction planning. Indicative work methodologies for the proposed modifications are described below.

1.3.1 Bridge construction

The construction of the new 600-metre-long bridge at the southern connection and the extended length of the bridge over the floodplain would be consistent with the methodology for construction of the bridge over the floodplain described in section 3.3.1 of the project REF, as it is likely to be a very similar bridge design. An indicative construction methodology is as follows:

- Construction of a temporary access road adjacent to the bridge to provide access to the bridge piers and abutments
- Establishment of a crane pad near each pier location to construct pile foundations, piers, and lift and place pre-cast bridge structural components
- To minimise impact on the aquifer, the pile holes would be installed by advancing a steel casing into the ground as they are drilled. The steel casing prevents the ground from collapsing into the excavation and protects the groundwater from potential contamination.
- The steel casing would be advanced into bedrock through the zone of weathering and seal the layers above and below the aquifer
- The steel casing would be backfilled with reinforced concrete to form the bridge foundations
- Alternate methodologies for pile foundations will be considered in construction planning (one possible option may be pre-cast driven piles)
- Bridge piers would be constructed on the foundations by casting reinforced concrete into formwork supported by temporary scaffold
- Bridge girders and barriers would be lifted into place using cranes.

1.3.2 Construction of the full interchange at Putty Road connection

Construction of the full interchange at the Putty Road connection would involve:

- Site establishment works including clearing, grubbing, demolition, fencing and signage
- Earthworks activities to establish the design levels of the connection at Putty Road
- Drainage works including the installation of new drainage lines, temporary sediment basins, sediment fences, earth bunds and protection of any existing stormwater pits
- Road base and pavement construction
- Installation of barriers, signage and line marking
- Landscaping and finishing work.

1.3.3 Relocation of the Singleton water pumping station and standpipe

Relocation of the Singleton Council water pump station and standpipe would involve:

- Site establishment works including clearing, grubbing, demolition, fencing and signage

- Earthworks activities to establish the design levels of the water pumpstation
- Water main works including the installation of new water mains, temporary connections, and new standpipe
- Provision of power and communications
- Road base and pavement construction
- Construction of the water pump station building
- Sequenced shut down, relocation, and commissioning of the existing water pumps to the new pump station
- Demolition of the existing water pump station and standpipe
- Landscaping and finishing work.

1.4 Ancillary facilities

As part of the proposed modification, changes to construction ancillary facilities are proposed to avoid conflicts with the construction of the modified design. Specifically, the construction ancillary facilities at the southern connection, Waterworks Lane and Gowrie Gates have been adjusted and/or moved. A new construction compound, namely the Northern Cut construction ancillary facility, is also proposed. The potential activities at each modified site remain consistent with that assessed in the project REF.

No other changes to the number and placement of construction ancillary facilities are required for the proposed modification. The noise and vibration impacts of the other proposed construction ancillary facilities that have not changed are provided in Section 4.3 of the Technical Paper.

The location of all ancillary facilities for the project is shown on Figure 1-1.

1.4.1 Southern connection laydown area

The southern connection laydown area has been modified to include two different laydown areas near the southern connection. The laydown areas would be located on land currently used for agricultural purposes, however, would be acquired as part of the project. The site would be accessed from the New England Highway.

Construction activities at this location would primarily include the laydown of construction materials and equipment required to support the construction of the southern connection and the proposed 600-metre-long bridge, as well as the bridge over the floodplain.

1.4.2 Waterworks Lane construction compound

The Waterworks Lane construction compound has been adjusted to accommodate the new design. The eastern section of the compound, located on ARTC-owned land, would be unchanged. The western section of the compound would be split into two separate sections on privately owned land currently used for agricultural purposes, but within the area to be acquired for the project. This allows the compound areas to continue to be utilised throughout construction of the proposed modification. The construction compound would be accessible from Waterworks Lane via an existing access point and the Putty Road connection once constructed would then be used as the primary access.

This construction compound would support the construction of the Putty Road connection, road surface through the Doughboy Hollow and Hunter River floodplains and the bridge over the Hunter River.

1.4.3 Gowrie Gates construction compound

The Gowrie Gates construction compound has been extended further to the north towards New England Highway and west towards Maison Dieu Road.

The compound is located within land owned by ARTC and would be temporarily leased by Transport during construction. The construction compound would be located in an area of cleared land.

This construction compound would support the construction of the bridge over the New England Highway and connection with the New England Highway at the Gowrie Gates.

1.4.4 Northern Cut construction compound

The Northern Cut construction compound is a new ancillary facility proposed to be located to the east of the New England Highway at the intersection of Park View Crescent and New England Highway. The proposed construction compound is located on cleared land owned by Transport.

This construction compound would also support the construction of the bridge over the New England Highway and connection with the New England Highway at the Gowrie Gates.

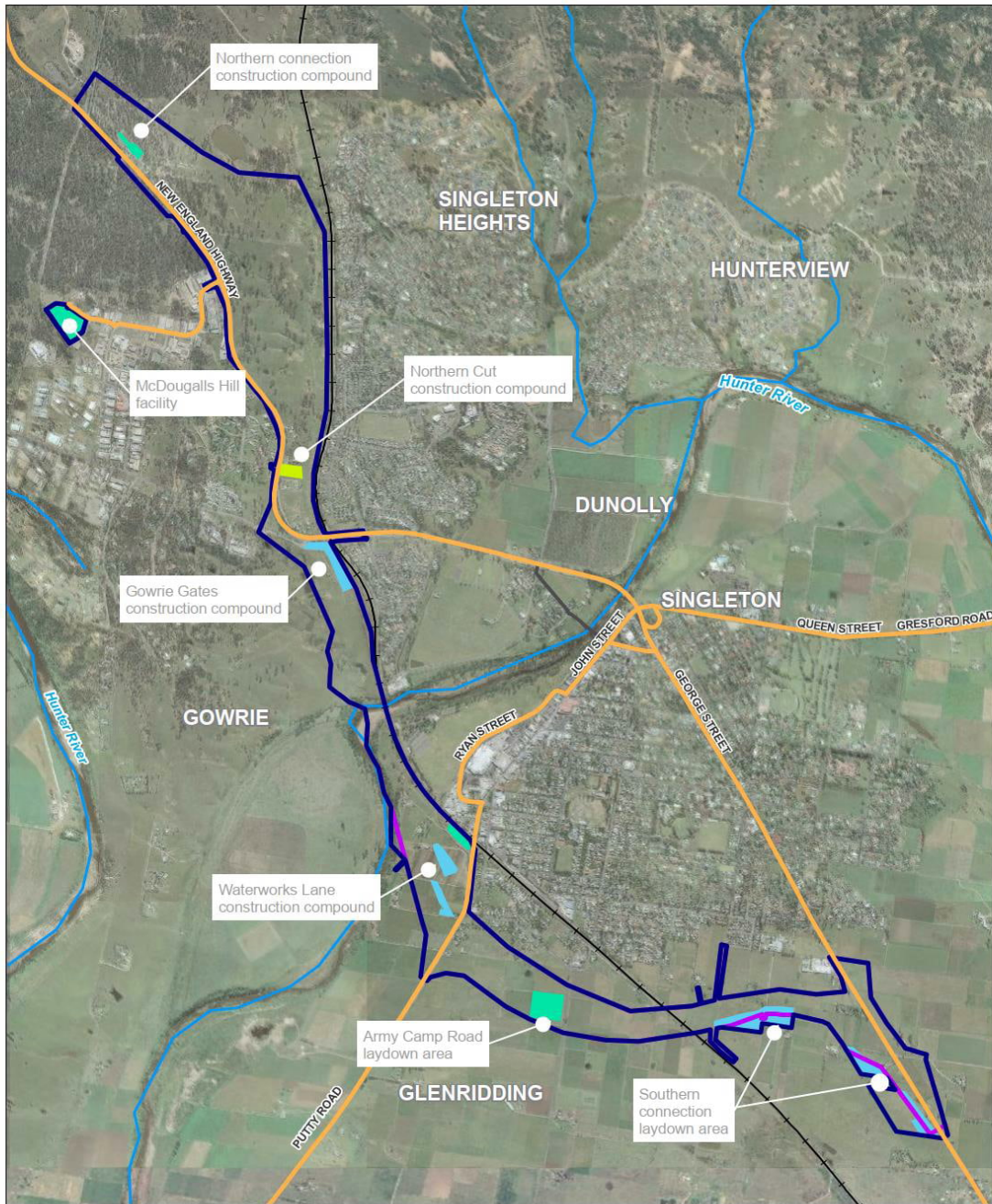


FIG. 1-1 Construction ancillary facilities and haulage routes

Legend

Proposal features

- Project REF area
- Approved proposal area
- Haulage routes
- Construction ancillary facility (new)
- Construction ancillary facility (unchanged)

Construction ancillary facility (modified)

- Other features**
- State roads
 - +— Main North railway line
 - Watercourse



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/faq#cc:au> (Copyright Licence).

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content in accordance with clause 5 of the Copyright Licence. AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the

Source: LPIA 2016, LPI 2018, NSW Crown Copyright - Planning and Environment
 Imagery credit: (c) 2011 Spatial Services 2018, (c) 2017 AAM Pty Ltd 2019 and (c) 2009 SKM 2019

Figure 1-1: Construction ancillary facilities and haulage routes

2.0 Noise and vibration criteria

2.1 Existing environment

A description of the existing acoustic environment around the Singleton Bypass was presented in Chapter 2 of the Noise and Vibration Technical Report – Singleton Bypass – Concept Design and Environmental Assessment (Technical Report) (Doc No. 60558931_DOC_ENV_01) dated 14 November 2019.

2.2 Construction noise and vibration criteria

Construction noise and vibration criteria were presented in Section 3.2 and 3.3 of the Technical Report and are unchanged.

2.3 Operational noise and vibration criteria

Operational noise criteria were presented in Section 3.5 of the Technical Report and are unchanged.

3.0 Assessment of construction noise and vibration impacts

3.1 Construction ancillary facilities

As noted in Section 1.4, changes to construction ancillary facilities are proposed to avoid conflicts with the construction of the modified design. Specifically, the construction ancillary facilities at the southern connection, Waterworks Lane and Gowrie Gates have been adjusted and/or moved. A new construction compound, namely the Northern Cut construction ancillary facility, is also proposed.

Table 3-1 provides a matrix summary of the works to be undertaken at ancillary facilities.

Table 3-1 Ancillary facility construction works

Construction activities	Southern connection laydown area	Waterworks Lane construction compound	Gowrie Gates construction compound	Northern Cut construction compound
Vegetation clearing ¹	✓			✓
Establishment of site offices, amenities and temporary infrastructure including fencing		✓	✓	✓
Construction worker parking		✓	✓	✓
Construction vehicle facilities (such as washdown areas and refuelling stations)		✓	✓	✓
Laydown and storage of materials	✓	✓	✓	✓
Delivery of materials, plant and equipment		✓	✓	✓
Stockpiling	✓	✓	✓	✓
Demobilisation	✓	✓	✓	✓

Notes:

1. *Vegetation removal at ancillary sites is likely to be minimal and take around one day to complete.*

Construction equipment and associated sound power levels typically used in these work packages are identified in Section 3 of the Technical Report.

3.2 Construction hours

Construction hours were presented in Section 4.2 of the Technical Paper. No changes are proposed to construction hours.

3.3 Construction noise modelling and prediction

The construction noise and vibration impact assessment methodology and assumptions were presented in Section 4.3 of the Technical Report.

The following sections present the construction noise impact assessment due to the proposed modifications. Discussion regarding the impacts to any other sensitive receivers (such as schools and places of worship) is presented below the tables.

3.3.1 Activities within standard hours

The noise modelling results for standard hours of construction are provided in Table 3-2 to Table 3-6. For the ancillary facilities only the vegetation removal works, stockpiling and the demobilisation scenarios have been modelled as these represent the worst case scenarios. Noise levels from the laydown and storage of materials would be slightly lower than the stockpiling scenario, and would occur infrequently throughout the daytime period.

The tables present the noise management levels and the highest predicted construction noise levels at a noise sensitive receiver for each noise catchment area. The tables also present the number of receivers where the construction noise levels are predicted to exceed the noise management level (and to what extent) and the highly noise affected level for each noise catchment area. The predicted construction noise levels are also provided graphically in Appendix A.

It is important to consider that this assessment is representative of the worst case 15 minute period of construction activity, while the construction equipment is at the nearest location to each sensitive receiver location. The assessed scenario does not represent the ongoing day to day noise impact at noise sensitive receivers for an extended period of time.

Particularly noisy activities, such as piling and use of concrete saws, would not persist for the entire construction period. In addition, the predictions use the shortest separation distance to each sensitive receiver, however in reality separation distances would vary between plant and sensitive receivers.

For linear works (works that move along the road alignment, rather than works located at a construction ancillary facility) noise exposure at each receiver would reduce due to increases in distance loss as the works progress along the alignment.

The reported maximum noise level is for the highest noise level during that construction scenario. The reported number of receivers where noise levels are expected to exceed the noise management levels is based on the reported maximum noise level. Typically the number of sensitive receivers exceeding the noise management levels will be reduced appreciably depending instantaneous operating conditions.

The *Interim Construction Noise Guideline* states that where a construction noise impact level of greater than 75 dB(A) is predicted, a receiver is considered to be 'highly noise affected' and afforded additional consideration for mitigation. The receivers where noise levels exceed 75 dB(A) can be identified on the noise contours provided in Appendix C. The potential for highly noise affected receivers would be confirmed during detailed construction planning. Respite periods would also be considered for these receivers in accordance with the *Interim Construction Noise Guideline*.

The predictions outlined below indicate that noise levels at commercial and industrial receivers would generally remain compliant with the applicable noise management levels. This would be confirmed in more detail by the contractor in the Construction Noise and Vibration Management Plan (CNVMP).

3.3.1.1 Southern connection laydown area

Table 3-2 Southern connection laydown area – Standard hours work

NCA	L _{Aeq} NML dB(A)	Maximum L _{Aeq} noise level dB(A)	NML exceedance			Highly noise affected
			1 - 10 dB(A)	11 – 20 dB(A)	> 20 dB(A)	
Vegetation removal works						
NCA1	44	84	183	5	4	2
Stockpiling						
NCA1	44	78	18	4	2	0
Demobilisation						
NCA1	44	81	80	5	2	0

Noise levels from the works associated with the Southern connection laydown area would exceed the noise management levels at nearby receivers during a number of scenarios. The affected catchment area would be NCA1. Most exceedances are less than 10 dB(A), four exceedances of greater than 20 dB(A) are predicted during vegetation removal works and two during demobilisation works. Both of these activities are very limited in duration. Two residences are predicted to be highly affected during the vegetation removal works.

No exceedances are predicted at non-residential noise sensitive receivers.

3.3.1.2 Waterworks Lane construction compound

Table 3-3 Waterworks Lane construction compound – Standard hours work

NCA	L _{Aeq} NML dB(A)	Maximum L _{Aeq} noise level dB(A)	NML exceedance			Highly noise affected
			1 - 10 dB(A)	11 – 20 dB(A)	> 20 dB(A)	
Site establishment						
NCA2	45	72	159	56	10	0
Stockpiling						
NCA2	45	65	90	18	0	0
Demobilisation						
NCA2	45	68	143	28	2	0

Noise levels from the works associated with the Waterworks Lane construction compound would exceed the noise management levels at nearby receivers during a number of scenarios. This compound site is likely to cause the largest number of exceedances of the noise management levels. The affected catchment area would be NCA2. The majority of exceedances are less than 10 dB(A), however a number of exceedances of greater than 20 dB(A) are predicted for site establishment and demobilisation. Both of these activities are very limited in duration. No residences are predicted to be highly affected.

Exceedances of up to 5 dB(A) are predicted at the Wyland Caravan Park during site establishment works and demobilisation works. No exceedances are predicted at the Majestic Cinemas.

3.3.1.3 Gowrie Gates construction compound

Table 3-4 Gowrie Gates construction compound – Standard hours work

NCA	L _{Aeq} NML dB(A)	Maximum L _{Aeq} noise level dB(A)	NML exceedance			Highly noise affected
			1 - 10 dB(A)	11 – 20 dB(A)	> 20 dB(A)	
Site establishment						
NCA3	46	68	173	34	2	0
NCA4	46	47	1	0	0	0
Stockpiling						
NCA3	46	64	75	12	0	0
NCA4	46	40	0	0	0	0
Demobilisation						
NCA3	46	64	75	12	0	0
NCA4	46	43	0	0	0	0

Noise levels from the works associated with the Gowrie Gates construction compound would exceed the noise management levels at nearby receivers during a number of scenarios. The affected catchment areas would be NCA3 and NCA4. The majority of exceedances are less than 10 dB(A), however two exceedances of greater than 20 dB(A) are predicted in NCA3 during site establishment works. No residences are predicted to be highly affected.

No exceedances are predicted at the Country Acres Caravan Park.

3.3.1.4 Northern Cut construction compound

Table 3-5 Northern Cut construction compound – Standard hours work

NCA	L _{Aeq} NML dB(A)	Maximum L _{Aeq} noise level dB(A)	NML exceedance			Highly noise affected
			1 - 10 dB(A)	11 – 20 dB(A)	> 20 dB(A)	
Vegetation removal works						
NCA3	46	67	182	48	3	0
NCA4	46	76	19	6	2	1
Site establishment						
NCA3	46	68	208	49	8	0
NCA4	46	77	23	6	2	1
Stockpiling						
NCA3	46	61	86	10	0	0
NCA4	46	70	9	2	2	0
Demobilisation						
NCA3	46	64	119	25	0	0
NCA4	46	73	14	3	2	0

Noise levels from the works associated with the Northern Cut construction compound would exceed the noise management levels at nearby receivers during a number of scenarios. The affected catchment areas would be NCA3 and NCA4. The majority of exceedances are predicted to be less than 10 dB(A), however a number of exceedances of greater than 20 dB(A) are predicted. One residence is predicted to be highly affected during vegetation removal works and site establishment works

No non-residential noise sensitive receivers are predicted to be affected.

3.3.1.5 Alignment works

Table 3-6 Works along the alignment – Standard hours work

NCA	L _{Aeq} NML dB(A)	Maximum L _{Aeq} noise level dB(A)	NML exceedance			Highly noise affected
			1 - 10 dB(A)	11 – 20 dB(A)	> 20 dB(A)	
Bridge construction						
NCA1	44	66	234	4	4	0
NCA2	45	83	133	23	10	3
NCA3	46	68	259	38	2	0
NCA4	46	50	5	0	0	0
NCA5	49	44	0	0	0	0
Earthworks						
NCA1	44	80	123	13	4	2
NCA2	45	80	142	23	5	3
NCA3	46	74	312	141	25	0
NCA4	46	63	20	6	1	0
NCA5	49	86	2	0	0	1
Drainage						
NCA1	44	-	0	0	0	0
NCA2	45	55	21	0	0	0
NCA3	46	73	268	83	16	0
NCA4	46	68	14	3	1	1
NCA5	49	51	1	0	0	0
Pavement works						
NCA1	44	79	206	10	4	2
NCA2	45	77	185	36	10	4
NCA3	46	75	345	157	31	0
NCA4	46	59	30	2	1	0
NCA5	49	85	1	1	2	2
Finishing works						
NCA1	44	73	28	4	1	0
NCA2	45	71	71	13	5	0
NCA3	46	69	230	63	3	0
NCA4	46	53	10	0	1	0
NCA5	49	79	2	1	1	1

Noise levels from the works associated with the alignment would exceed the NMLs at nearby receivers during a number of scenarios. The pavement works and earthworks are likely to cause the largest number of exceedances of the noise management levels. The majority of exceedances are less than 10 dB(A), however a number of exceedances of greater than 20 dB(A) are predicted. Up to eight

residences are predicted to be highly noise affected during these works. Fewer residences are predicted to be highly noise affected compared with the Technical Paper as the alignment has moved further away from receivers in NCA1 and NCA2.

Exceedances of less than 10 dB(A) are predicted at the Wyland Caravan Park.

3.3.2 Activities outside standard hours

The out of hours work construction noise modelling results are provided in Table 3-7 to Table 3-11. The results are also provided graphically in Appendix A.

3.3.2.1 Southern connection laydown area

Table 3-7 Southern connection laydown area – Out of hours work

NCA	L _{Aeq} NML dB(A)	Maximum L _{Aeq} noise level dB(A)	NML exceedance			NML exceedance
			1 - 5 dB(A)	6 – 15 dB(A)	16 – 25 dB(A)	> 25 dB(A)
Laydown, storage and delivery						
NCA1	39	77	107	15	3	2

Noise levels from the works associated with the Southern connection laydown area would exceed the noise management levels at nearby receivers during the laydown works. The affected catchment area would be NCA1. The exceedances are mostly less than 5 dB(A), however noise levels at up to two residences are predicted to exceed by more than 25 dB(A).

3.3.2.2 Waterworks Lane construction compound

Table 3-8 Waterworks Lane construction compound – Out of hours work

NCA	L _{Aeq} NML dB(A)	Maximum L _{Aeq} noise level dB(A)	NML exceedance			
			1 - 5 dB(A)	6 – 15 dB(A)	16 – 25 dB(A)	> 25 dB(A)
Laydown, storage and delivery						
NCA2	35	64	53	155	30	5

Noise levels from the works associated with the Waterworks Lane construction compound would exceed the noise management levels at nearby receivers during the laydown works. The affected catchment area would be NCA2. The majority of exceedances are less than 15 dB(A), however up to five of exceedances of greater than 25 dB(A) are predicted.

Exceedances of less than 10 dB(A) are predicted at the Wyland Caravan Park.

3.3.2.3 Gowrie Gates construction compound

Table 3-9 Gowrie Gates construction compound – Out of hours work

NCA	L _{Aeq} NML dB(A)	Maximum L _{Aeq} noise level dB(A)	NML exceedance			
			1 - 5 dB(A)	6 – 15 dB(A)	16 – 25 dB(A)	> 25 dB(A)
Laydown, storage and delivery						
NCA3	37	60	166	75	12	0
NCA4	37	39	1	0	0	0

Noise levels from the works associated with the Gowrie Gates construction compound would exceed the noise management levels at nearby receivers during the laydown works. The affected catchment

areas would be NCA3 and NCA4. This work site is likely to cause the largest number of exceedances of the noise management levels. The majority of exceedances are less than 15 dB(A), and no exceedances of greater than 25 dB(A) are predicted.

No exceedances are predicted at the Country Acres Caravan Park.

3.3.2.4 Northern Cut construction compound

Table 3-10 Northern Cut construction compound – Out of hours work

NCA	L _{Aeq} NML dB(A)	Maximum L _{Aeq} noise level dB(A)	NML exceedance			
			1 - 5 dB(A)	6 – 15 dB(A)	16 – 25 dB(A)	> 25 dB(A)
Laydown, storage and delivery						
NCA3	37	60	178	119	25	0
NCA4	37	69	15	14	3	2

Noise levels from the works associated with the Northern Cut construction compound would exceed the noise management levels at nearby receivers during laydown works. The affected catchment areas would be NCA3 and NCA4. Most of the exceedances are less than 15 dB(A), however up to two exceedances greater than 25 dB(A) are predicted.

3.3.2.5 Alignment works

Table 3-11 Works along the alignment – Out of hours work

NCA	L _{Aeq} NML dB(A)	Maximum L _{Aeq} noise level dB(A)	NML exceedance			
			1 - 5 dB(A)	6 – 15 dB(A)	16 – 25 dB(A)	> 25 dB(A)
Bridge construction						
NCA1	39	66	83	234	4	5
NCA2	35	83	0	189	43	18
NCA3	37	68	143	315	96	10
NCA4	37	50	13	22	0	0
NCA5	36	44	2	1	0	0
Pavement works						
NCA1	39	79	188	121	5	2
NCA2	35	77	0	153	88	21
NCA3	37	75	11	382	231	66
NCA4	37	59	33	68	11	0
NCA5	36	85	0	1	3	1
Finishing works						
NCA1	39	73	77	16	4	1
NCA2	35	71	60	158	34	10
NCA3	37	69	212	315	124	15
NCA4	37	53	40	20	1	0
NCA5	36	79	1	2	1	2

Noise levels from the works associated with the alignment would exceed the noise management levels at nearby receivers during a number of scenarios. The pavement works are likely to cause the largest number of exceedances of the noise management levels. The majority of exceedances are less than 15 dB(A), however a number of exceedances of greater than 25 dB(A) are predicted. It should be noted that the majority of works along the alignment will be undertaken during standard hours, however works may be carried out outside these hours to minimise traffic and rail disruptions and to offset wet weather delays.

Exceedances of less than 5 dB(A) are predicted at the Wyland Caravan Park.

3.4 Sleep disturbance

Sleep disturbance is assessed using an $L_{A1(1\text{min})}$ parameter, which is considered to be the maximum noise level excluding extraneous noise events. A sleep disturbance assessment has been undertaken for the proposed night works with the construction information available to date. The noise modelling results are provided in Table 3-12 to Table 3-16 with predicted noise levels compared with the sleep disturbance screening criteria and the awakening reaction criteria.

3.4.1.1 Southern connection laydown area

Table 3-12 Southern connection laydown area – Out of hours work – Sleep disturbance

NCA	Sleep disturbance criteria dB(A)	Maximum $L_{A1(1\text{min})}$ noise level dB(A)	Number of Sleep disturbance exceedances	Awakening reaction
Laydown, storage and delivery				
NCA1	49	77	7	2

Exceedances of the sleep disturbance criteria have been predicted at up to seven properties within NCA1 due to the laydown works. Exceedances of the awakening reaction criterion are expected at two properties.

3.4.1.2 Waterworks Lane construction compound

Table 3-13 Waterworks Lane construction compound – Out of hours work – Sleep disturbance

NCA	Sleep disturbance criteria dB(A)	Maximum $L_{A1(1\text{min})}$ noise level dB(A)	Number of Sleep disturbance exceedances	Awakening reaction
Laydown, storage and delivery				
NCA2	45	64	66	0

Exceedances of the sleep disturbance criteria have been predicted at up to 66 properties within NCA2 due to the laydown works. No exceedances of the awakening reaction criterion are expected within NCA2.

3.4.1.3 Gowrie Gates construction compound

Table 3-14 Gowrie Gates construction compound – Out of hours work – Sleep disturbance

NCA	Sleep disturbance criteria dB(A)	Maximum $L_{A1(1\text{min})}$ noise level dB(A)	Number of Sleep disturbance exceedances	Awakening reaction
Laydown, storage and delivery				
NCA3	47	60	34	0
NCA4	47	39	0	0

Exceedances of the sleep disturbance criteria have been predicted at up to 34 within NCA3 due to the laydown works. No exceedances are predicted within NCA4 due to the laydown works. No exceedances of the awakening reaction criterion are expected.

3.4.1.4 Northern Cut construction compound

Table 3-15 Northern Cut construction compound – Out of hours work – Sleep disturbance

NCA	Sleep disturbance criteria dB(A)	Maximum $L_{A1(1min)}$ noise level dB(A)	Number of Sleep disturbance exceedances	Awakening reaction
Laydown, storage and delivery				
NCA3	47	60	51	0
NCA4	47	69	8	2

Exceedances of the sleep disturbance criteria have been predicted at up to 51 properties within NCA3 and eight properties within NCA4 due to the laydown works. Two exceedances of the awakening reaction criterion are expected within NCA4.

3.4.1.5 Alignment works

Table 3-16 Works along the alignment – Out of hours work – Sleep disturbance

NCA	Sleep disturbance criteria dB(A)	Maximum $L_{A1(1min)}$ noise level dB(A)	Number of Sleep disturbance exceedances	Awakening reaction
Bridge construction				
NCA1	49	72		5
NCA2	45	90	250	25
NCA3	47	75	564	34
NCA4	47	57	35	0
NCA5	46	51	3	0
Pavement works				
NCA1	49	85	306	6
NCA2	45	83	252	24
NCA3	47	81	686	113
NCA4	47	65	36	0
NCA5	46	91	6	3
Finishing works				
NCA1	49	75	21	1
NCA2	45	73	126	9
NCA3	47	71	330	4
NCA4	47	55	12	0
NCA5	46	81	4	2

Noise levels from the works associated with the alignment would exceed the sleep disturbance criteria at nearby receivers during a number of scenarios. The pavement and bridge construction works are likely to cause the largest number of exceedances of the sleep disturbance criterion. Exceedances of

the awakening reaction criterion are expected within all NCAs, except NCA4. As the alignment works are progressive in nature receivers will not be affected for the whole duration of construction works.

In addition to the works detailed above, approach signage would be installed at 1 km intervals towards the bypass from 3 km. The works associated with the signage would include installation of a cast concrete support foundation with the use of a small to medium drill rig. The foundation would then be left for a setting period (typically around 28 days) after which the sign and post would be attached with a crane. The works are considered to be minor in nature, would occur over a period less than three weeks and be undertaken during standard construction hours. Therefore, a quantitative assessment for these works has not been undertaken.

3.5 Construction vibration

3.5.1 Surface works

In order to comply with the cosmetic/structural damage and human discomfort criteria presented in Section 3.3 of the Technical Paper vibration intensive works should not be undertaken within the minimum working distances presented in Table 3-17.

Table 3-17 Recommended minimum working distances for vibration intensive plant

Plant	Rating/ description	Heritage (metres)	Cosmetic damage (metres)	Human response (metres)
Vibratory roller	< 50 kN (typically 1-2T)	8	5	15
	< 100 kN (typically 2-4T)	10	6	20
	< 200 kN (typically 4-6T)	20	12	40
	< 300 kN (typically 7-13T)	25	15	100
	> 300 kN (typically 13-18T)	30	20	100
	> 300 kN (>18T)	38	25	100
Drop hammer	3t enclosed (30kJ per blow assumed)	40	23	100
	5kJ per blow	17	10	35
Vibratory rig	50kJ per cycle	50	30	100
	10kJ per cycle	23	15	100
Pile boring	≤ 800 mm	4	2 nominal	N/A
Jack hammer	Handheld	1 nominal	Avoid contact with structure	Avoid contact with structure

Note:

1. More stringent conditions may apply to heritage or other sensitive structures. Any heritage property would need to be considered on a case by case basis and assessed in accordance with DIN4150:3 Structural vibration - Effects of vibration on structures.

3.5.2 Residential buildings and receivers

With the current Proposal and construction methodology it is unlikely that vibration intensive works would be undertaken within the cosmetic damage minimum working distances (up to 30 metres for vibratory pile drivers). However, this should be confirmed during the detailed detail with specific attention given to residential properties around the Putty Road and Carrington Street intersection and 36B Victoria Street, Glenridding. Where vibration intensive works are proposed within minimum working

distances, vibration monitoring should be undertaken to determine site specific minimum working distances and to ensure that appropriate thresholds are not exceeded.

Vibration intensive activities during site establishment works for the Southern connection laydown area, the Waterworks Lane construction compound and the Gowrie Gates construction compound may occur within the human comfort minimum working distances at times. For the alignment works vibration intensive activities may occur within the human comfort minimum working distances during earthworks, bridge construction and pavement works. Advance notification should be given to all potentially affected receivers.

3.5.3 Heritage and other sensitive structures

Heritage and other sensitive structures (including any with Aboriginal significance) have the potential to be more sensitive to vibration than standard buildings.

The residential property 'Bebeah' at 4403 New England Highway and the Woolpack Inn at 3 Newington Lane, Whittingham are both heritage listed in the Local Environment Plan, however no vibration intensive works are likely to be undertaken within the minimum working distances as listed in Table 3-17.

Two culverts which form part of a bypassed rail corridor were identified during the archaeological survey. These items are unlikely to be more sensitive to vibration than the building types listed in Table 3-7 of the Technical Report. It is unlikely that vibration intensive works would be undertaken within the cosmetic damage minimum working distances. However this should be confirmed during the detailed design stage.

3.6 Overall impact of modification on construction noise and vibration

The proposed modification described in Section 1.1 relevant for construction work has been reviewed with reference to the construction activities assessed in the Technical Paper (November 2019). Table 4-3 provides an assessment of whether the proposed modification is consistent with the work packages assessed in the Technical Paper (November 2019) and identifies if additional mitigation measures are required.

Table 3-18 Consistency assessment of proposed modification on construction noise and vibration impacts

Proposed modification	Consistency with work assessed in Technical Paper (November 2019)	Mitigation measures
<ul style="list-style-type: none"> • Reconfiguration of the southern connection to include a 600-metre-long bridge over the floodplain, with the southern connection northbound exit ramp to pass under the bridge • Increasing the bridge over the Main North railway line, Doughboy Hollow and Hunter River floodplain, Army Camp Road, Putty Road and the northbound entry and exit ramps at the Putty Road connection from 1.7 kilometres to 1.84 kilometres in length (bridge over the floodplain) • Inclusion of a southbound entry ramp and northbound exit ramp at the Putty Road connection to create a full interchange via a new 	<ul style="list-style-type: none"> • this work is consistent with work previously assessed in the Technical Paper (November 2019) • there are no substantial changes to the type of work or equipment • there are changes to the location of some works • additional receivers beyond those identified in the Technical Paper are anticipated to be impacted and have been identified in Appendix A. 	<p>Mitigation measures outlined in the Technical Paper (November 2019) would manage potential noise impacts associated with this activity. No additional mitigation measures are required.</p>

Proposed modification	Consistency with work assessed in Technical Paper (November 2019)	Mitigation measures
roundabout at Putty Road		
<ul style="list-style-type: none"> Minor modifications to property adjustments including access arrangements 	<ul style="list-style-type: none"> this work is consistent with work previously assessed in the Technical Paper (November 2019) there are no substantial changes to the location, type of work or equipment 	Mitigation measures outlined in the Technical Paper (November 2019) would manage potential noise impacts associated with this activity. No additional mitigation measures are required.
<ul style="list-style-type: none"> Minor modifications to utility adjustments and drainage 	<ul style="list-style-type: none"> this work is consistent with work previously assessed in the Technical Paper (November 2019) there are no substantial changes to the location, type of work or equipment 	Mitigation measures outlined in the Technical Paper (November 2019) would manage potential noise impacts associated with this activity. No additional mitigation measures are required.
<ul style="list-style-type: none"> Inclusion of Approach signage at intervals along the New England Highway prior to reaching Singleton and the bypass 	<ul style="list-style-type: none"> these works are considered to be minor in nature, would occur over a period less than three weeks and be undertaken during standard construction hours. Therefore, a quantitative assessment for these works has not been undertaken. 	No additional mitigation measures are required.
<ul style="list-style-type: none"> Relocation of the Singleton Council water pump station and standpipe 	<ul style="list-style-type: none"> this work is consistent with work previously assessed in the Technical Paper (November 2019) there are no substantial changes to the location, type of work or equipment as this work was considered within the compound scenario previously 	Mitigation measures outlined in the Technical Paper (November 2019) would manage potential noise impacts associated with this activity. No additional mitigation measures are required.
<ul style="list-style-type: none"> Changes to construction ancillary facilities including modifications to approved locations and inclusion of one additional site. 	<ul style="list-style-type: none"> this work is consistent with work previously assessed in the Technical Paper (November 2019) there are no substantial changes to the type of work or equipment there are changes to the location of some compounds and one additional compound additional receivers beyond those identified in the Technical Paper are anticipated to be impacted and have been identified in Appendix A. 	Mitigation measures outlined in the Technical Paper (November 2019) would manage potential noise impacts associated with this activity. No additional mitigation measures are required.

4.0 Assessment of operational noise impacts

4.1 Road traffic noise assessment

The road traffic noise assessment methodology and assumptions were presented in Chapter 5.0 of the Technical Report.

The operational road traffic noise model as described in the Technical Report was updated to include the following modifications:

- Reconfiguration of the southern connection to include a 600-metre-long bridge over the floodplain, with the southern connection northbound exit ramp to pass under the bridge
- Increasing the bridge over the Main North railway line, Doughboy Hollow and Hunter River floodplain, Army Camp Road, Putty Road and the northbound entry and exit ramps at the Putty Road connection from 1.7 kilometres to 1.84 kilometres in length (bridge over the floodplain)
- Inclusion of a southbound entry ramp and northbound exit ramp at the Putty Road connection to create a full interchange via a new roundabout at Putty Road.

4.1.1 Noise modelling scenarios

As stated in Technical Report the *Road Noise Policy* requires the assessment of road traffic noise at the year of opening and at the design year. To determine the appropriate noise mitigation, only results from the more stringent year (for each receiver) have been discussed within this report. For each result presented, the applicable period is also provided. In Appendix B the predicted road traffic noise levels with the recommended noise mitigation have been presented for all operational scenarios.

Noise levels for both the daytime and night-time periods have been assessed. The assessed situations are:

- **‘Do Minimum’** – This scenario is assessed for both the year of opening (2026) and the design year (2036) and incorporates the existing alignment and traffic flows for the applicable year. All major existing arterial roads have been included in the noise modelling. It represents the design if the proposal was not to be built. The *Road Noise Policy*, *Road Noise Criteria Guideline*, and *Road Noise Mitigation Guideline* refer to this as the ‘No Build’ scenario.

It is called ‘Do Minimum’ rather than Do Nothing as it assumes that ongoing improvements would be made to the broader road and public transport network including some new infrastructure and intersection improvements to improve capacity and cater for traffic growth.

- **Design** – These scenarios incorporate the proposal design alignment, including the ramps and all existing major arterial roads. The *Road Noise Policy*, *Road Noise Criteria Guideline*, and *Road Noise Mitigation Guideline* refer to this as the ‘Build’ scenario.

The detailed scenarios which have been assessed include:

- Year 2026 ‘Do Minimum’ scenario
- Year 2026 Design scenario
- Year 2036 ‘Do Minimum’ scenario
- Year 2036 Design scenario

The noise mitigation requirements have been assessed based on the most stringent scenario for each noise sensitive receiver. Generally noise sensitive receivers are most noise affected during the 2036 Design scenario. To ensure all receivers are considered each one has been assessed for all scenarios and receivers reported if the noise levels exceed the criteria.

4.1.2 Noise modelling results with no barriers

Noise levels have been predicted for each assessment scenario across the extent of the proposal. Detailed noise prediction results are provided in Appendix B. Road traffic noise contours maps are presented in Appendix C.

Considering the impacts in both Year 2026 and Year 2036 during the daytime and night-time periods, the greatest impacts were identified during Year 2036 and are summarised as follows:

- Road traffic noise levels are predicted to exceed the L_{Aeq} noise criterion at a total of 396 sensitive receivers
- Of these 396 noise sensitive receivers:
 - Noise levels are predicted to increase by more than 2 dB(A) at 265 sensitive receivers
 - Noise levels are predicted to exceed the cumulative limit at 56 sensitive receivers. (ie $\geq L_{Aeq(15\text{ hr})}$ or $L_{Aeq(9\text{ hr})}$ noise criterion + 5 dB(A))
 - Noise levels are predicted to exceed the relative increase criterion at 133 sensitive receivers (the difference between 'do minimum' and 'design' noise levels is ≥ 12 dB(A))
 - No receivers have been identified as being acute (i.e. the proposal contributes less than 2.0 dB(A) to the overall level and noise levels are equal to or greater than $L_{Aeq(15\text{ hr})}$ 65 dB(A) or $L_{Aeq(9\text{ hr})}$ 60 dB(A))
- 315 sensitive receivers are considered to be eligible for the consideration of feasible and reasonable noise mitigation measures.

It should be noted that results for the entire alignment have been presented for clarity.

4.1.3 Noise barrier assessment

As modifications are proposed for the southern portion of the Proposal only a noise barrier assessment has been undertaken in accordance with *Road Noise Policy* for road traffic noise barriers in that area. The assessment considers incremental increases in barrier height (0 metres to eight metres in 0.5 m increments).

A comparison of noise reductions for a range of barrier heights has been carried out for the residences within three precincts (as shown in Appendix D).

The resultant design noise barrier heights and lengths for each of the three precincts are shown below in Table 4-1. These remain unchanged from the Technical Paper.

Table 4-1 Design noise barrier heights

Precinct	Height (m)	Length (m)
1	3.0	700
2	3.0	880
3	3.5	950

4.1.4 Noise modelling results with barriers

The Year 2026 and Year 2036 design scenarios have been reassessed including the design noise barriers discussed in Table 4-1.

Noise levels have been predicted for each assessment scenario across the extent of the proposal. Detailed noise prediction results are provided in Appendix B. Road traffic noise contours maps are presented in Appendix C.

Considering the impacts in both Year 2026 and Year 2036 during the daytime and night-time periods with the noise barriers as detailed above constructed the anticipated impacts are summarised as follows:

- Road traffic noise levels are predicted to exceed the L_{Aeq} noise criterion at a total of 183 sensitive receivers
- Of these 183 noise sensitive receivers:
 - Noise levels are predicted to increase by more than 2 dB(A) at 67 sensitive receivers

- Noise levels are predicted to exceed the cumulative limit at 7 sensitive receivers. (ie $\geq L_{Aeq(15 \text{ hr})}$ or $L_{Aeq(9 \text{ hr})}$ noise criterion + 5 dB(A))
- Noise levels are predicted to exceed the relative increase criterion at 56 sensitive receivers (the difference between 'no build' and 'build' noise levels is ≥ 12 dB(A))
- No receivers have been identified as being acute (ie the proposal contributes less than 2.0 dB(A) to the overall level and noise levels are equal to or greater than $L_{Aeq(15 \text{ hr})}$ 65 dB(A) or $L_{Aeq(9 \text{ hr})}$ 60 dB(A))
- 103 sensitive receivers are considered to be eligible for the consideration of feasible and reasonable noise mitigation measures.

It should be noted that results for the entire alignment have been presented for clarity.

As discussed in Section 3.5.3 of the Technical Paper, a sensitive receiver would be considered eligible for the consideration of noise mitigation where:

- The predicted design noise level exceeds the *Road Noise Criteria Guideline* controlling criterion and the noise level increase due to the proposal (ie the noise predictions for the 'Design' minus the 'Do Minimum') is greater than 2.0 dB(A), or
- The predicted 'Design' noise level is 5 dB(A) or more above the criteria (exceeds the cumulative limit) and the receiver is significantly influenced by road noise, regardless of the incremental impact of the proposal, or
- The predicted Design noise level increase due to the proposal (ie the noise predictions for the Design minus the 'Do Minimum') is 12.0 dB(A) or greater, or
- The noise level contribution from the road proposal is acute (daytime $L_{Aeq(15 \text{ hr})}$ 65 dB(A) or higher, or night-time $L_{Aeq(9 \text{ hr})}$ 60 dB(A) or higher) then it qualifies for consideration of noise mitigation even if noise levels are dominated by another road.

4.1.5 Noise sensitive receivers eligible for consideration of additional noise mitigation

Provided below is a summary of all sensitive receivers where road traffic noise levels exceed the applicable noise criteria, assuming the noise barriers detailed in section 4.1.3 are constructed. Recommended noise mitigation measures for sensitive receivers are considered further in Section 6.0 of the Technical Report. Unless otherwise noted the noise levels presented are for the most affected façade. An additional 14 sensitive receivers have been identified for consideration of additional treatment compared with the Technical Report.

Table 4-2 Receivers eligible for consideration of additional mitigation measures

ID	Address	Use	Scenario	L _{Aeq(period)} , dB(A)				Reason for eligibility
				Criteria	'Do minimum'	Design	Change	
1049	3 Newington Lane, Whittingham	Residential	DY Night	55	63	61	-1.8	Exceeds cumulative noise limit
1051	4339 New England Highway, Whittingham	Residential	DY Night	50	53	59	5.9	Increase > 2dB
1083	4403 New England Highway, Singleton ¹	Residential	DY Night	55	65	59	-6.3	-
1083	4403 New England Highway, Singleton	Residential	DY Night	55	52	55	3.5	Increase > 2dB
1235	35B Waddells Lane, Whittingham	Residential	DY Night	50	48	60	12.2	Increase > 2dB
1361	35B Waddells Lane, Singleton	Residential	DY Night	50	44	52	7.8	Increase > 2dB
1428	15 Ada Street, Singleton	Residential	DY Night	50	34	49	14.4	Relative Increase > 12dB
1428	15 Ada Street, Singleton ¹	Residential	DY Night	50	40	50	10.5	-
1455	1 Ada Street, Singleton ¹	Residential	DY Night	50	40	48	8.0	-
1455	1 Ada Street, Singleton	Residential	DY Night	50	34	47	13.6	Relative Increase > 12dB
1501	36A Victoria Street, Glenridding	Residential	DY Night	50	38	52	14.1	Increase > 2dB
1507	19 View Street, Singleton	Residential	DY Night	44	32	46	14.2	Relative Increase > 12dB
1518	22 Renshaw Avenue, Singleton ¹	Residential	DY Night	49	37	49	11.3	-
1518	22 Renshaw Avenue, Singleton	Residential	DY Night	46	34	47	12.2	Relative Increase > 12dB
1542	8 Railway Street, Singleton	Residential	DY Night	47	35	48	12.3	Relative Increase > 12dB
1549	2 Scott Street, Singleton	Residential	DY Night	47	35	48	12.7	Relative Increase > 12dB
1572	55 Church Street, Glenridding	Residential	DY Night	45	33	49	16.3	Relative Increase > 12dB
1578	31 Victoria Street, Glenridding	Residential	DY Night	46	34	48	13.6	Relative Increase > 12dB
1584	30 Victoria Street, Glenridding	Residential	DY Night	46	34	47	13.5	Relative Increase > 12dB
1591	29 Victoria Street, Glenridding	Residential	DY Night	46	34	47	13.0	Relative Increase > 12dB
1597	30 Carrington Street, Glenridding	Residential	DY Night	48	36	50	14.2	Relative Increase > 12dB
1599	27 Victoria Street, Glenridding	Residential	DY Night	44	32	46	14.1	Relative Increase > 12dB
1622	10 Crown Street, Glenridding	Residential	DY Night	48	36	49	12.8	Relative Increase > 12dB

ID	Address	Use	Scenario	L _{Aeq(period)} , dB(A)				Reason for eligibility
				Criteria	'Do minimum'	Design	Change	
1623	35 Carrington Street, Glenridding	Residential	DY Night	49	37	49	12.2	Relative Increase > 12dB
1626	48 Army Camp Road, Glenridding	Residential	DY Night	50	42	52	10.0	Increase > 2dB
1633	13 Crown Street, Glenridding	Residential	DY Night	50	39	51	12.5	Increase > 2dB
1634	19 Victoria Street, Glenridding ¹	Residential	DY Night	47	35	47	11.6	-
1634	19 Victoria Street, Glenridding	Residential	DY Night	44	32	45	12.5	Relative Increase > 12dB
1635	9 Crown Street, Glenridding	Residential	DY Night	48	36	49	12.5	Relative Increase > 12dB
1636	33 Carrington Street, Glenridding ¹	Residential	DY Night	50	38	50	11.2	-
1636	33 Carrington Street, Glenridding	Residential	DY Night	46	34	48	14.1	Relative Increase > 12dB
1659	25 Carrington Street, Glenridding ¹	Residential	DY Night	50	40	50	10.4	-
1659	25 Carrington Street, Glenridding	Residential	DY Night	47	35	48		Relative Increase > 12dB
1671	21 Carrington Street, Glenridding ¹	Residential	DY Night	50	39	49	10.1	-
1671	21 Carrington Street, Glenridding	Residential	DY Night	46	34	47	13.5	Relative Increase > 12dB
1675	19 Carrington Street, Glenridding ¹	Residential	DY Night	50	41	49	8.8	-
1675	19 Carrington Street, Glenridding	Residential	DY Night	42	30	45	14.9	Relative Increase > 12dB
1677	15 Carrington Street, Glenridding ¹	Residential	DY Night	50	41	51	9.6	-
1677	15 Carrington Street, Glenridding	Residential	DY Night	47	35	48	13.7	Relative Increase > 12dB
1685	13 Carrington Street, Glenridding	Residential	DY Night	50	44	52	7.9	Increase > 2dB
1687	14 Carrington Street, Glenridding ¹	Residential	DY Night	50	41	50	9.5	-
1687	14 Carrington Street, Glenridding	Residential	DY Night	44	32	45	13.3	Relative Increase > 12dB
1690	75 Putty Road, Glenridding	Residential	DY Night	55	62	67	4.6	Increase > 2dB
1692	12 Carrington Street, Glenridding	Residential	DY Night	50	43	51	7.9	Increase > 2dB
1693	32 Glenridding Road, Glenridding	Residential	DY Night	50	53	62	8.7	Increase > 2dB
1695	10 Carrington Street, Glenridding ¹	Residential	DY Night	50	43	50	7.8	
1695	10 Carrington Street, Glenridding	Residential	DY Night	45	33	46	12.7	Relative Increase > 12dB
1698	7 Carrington Street, Glenridding	Residential	DY Night	50	42	51	9.5	Increase > 2dB
1701	8 Carrington Street, Glenridding	Residential	DY Night	50	44	51	7.9	Increase > 2dB
1703	5 Carrington Street, Glenridding ¹	Residential	DY Night	50	45	52	7.4	-

ID	Address	Use	Scenario	L _{Aeq(period)} , dB(A)				Reason for eligibility
				Criteria	'Do minimum'	Design	Change	
1703	5 Carrington Street, Glenridding	Residential	DY Night	50	37	50	12.9	Relative Increase > 12dB
1706	6 Carrington Street, Glenridding	Residential	DY Night	50	47	52	5.7	Increase > 2dB
1708	3 Carrington Street, Glenridding	Residential	DY Night	50	51	54	3.5	Increase > 2dB
1739	76 Putty Road, Glenridding	Residential	DY Night	50	39	52	13.9	Relative Increase > 12dB
1742	8 Glenridding Road, Glenridding	Residential	DY Night	50	51	54	3.6	Increase > 2dB
1758	2 Glenridding Road, Glenridding	Residential	DY Night	50	51	53	2.3	Increase > 2dB
1763	9 Glenridding Road, Glenridding ¹	Residential	DY Night	55	56	56	-0.1	-
1763	9 Glenridding Road, Glenridding	Residential	DY Night	50	48	51	2.5	Increase > 2dB
1767	23 Glenridding Road, Glenridding	Residential	DY Night	50	42	55	13.6	Relative Increase > 12dB
1896	11 Mary Street, Singleton	Residential	DY Night	50	50	53	3.3	Increase > 2dB
1900	13 Mary Street, Singleton	Residential	DY Night	50	48	53	4.4	Increase > 2dB
1918	6 Ryan Avenue, Singleton	Residential	DY Night	50	48	51	3.0	Increase > 2dB
1931	48 Simpson Terrace, Darlington	Residential	DY Night	50	38	55	16.9	Increase > 2dB
1932	2 Noble Close, Darlington	Residential	DY Night	50	38	55	16.9	Increase > 2dB
1933	3 Noble Close, Darlington	Residential	DY Night	50	41	56	15.3	Increase > 2dB
1934	46 Simpson Terrace, Darlington	Residential	DY Night	50	39	51	12.8	Increase > 2dB
1935	4 Noble Close, Darlington	Residential	DY Night	50	43	54	10.6	Increase > 2dB
1936	6 Noble Close, Darlington	Residential	DY Night	50	41	50	9.5	Relative Increase > 12dB
1936	6 Noble Close, Darlington ¹	Residential	DY Night	50	38	50	12.4	-
1937	5 Noble Close, Darlington	Residential	DY Night	50	43	52	9.6	Increase > 2dB
1938	44 Simpson Terrace, Darlington	Residential	DY Night	50	37	50	12.5	Relative Increase > 12dB
1940	3 Sever Close, Darlington	Residential	DY Night	50	39	50	10.7	Relative Increase > 12dB
1940	3 Sever Close, Darlington ¹	Residential	DY Night	50	35	49	14.0	-
1941	2 Sever Close, Darlington	Residential	DY Night	50	42	49	7.1	Relative Increase > 12dB
1941	2 Sever Close, Darlington ¹	Residential	DY Night	50	35	48	12.8	-
1942	4 Sever Close, Darlington	Residential	DY Night	50	43	52	9.8	Increase > 2dB
1943	40 Simpson Terrace, Darlington	Residential	DY Night	50	37	49	12.2	Relative Increase > 12dB

ID	Address	Use	Scenario	L _{Aeq(period)} , dB(A)				Reason for eligibility
				Criteria	'Do minimum'	Design	Change	
1944	5 Sever Close, Darlington	Residential	DY Night	50	43	52	9.3	Increase > 2dB
1947	6 Sever Close, Darlington	Residential	DY Night	50	42	50	7.7	Relative Increase > 12dB
1947	6 Sever Close, Darlington ¹	Residential	DY Night	50	35	48	12.2	-
1950	3 Button Close, Darlington	Residential	DY Night	50	39	47	7.5	Relative Increase > 12dB
1950	3 Button Close, Darlington ¹	Residential	DY Night	50	33	46	13.0	-
1951	2 Button Close, Darlington	Residential	DY Night	50	37	48	11.3	Relative Increase > 12dB
1951	2 Button Close, Darlington ¹	Residential	DY Night	50	32	46	13.7	-
1952	4 Button Close, Darlington	Residential	DY Night	50	38	48	9.6	Relative Increase > 12dB
1952	4 Button Close, Darlington ¹	Residential	DY Night	50	35	48	12.6	-
1955	9 Button Close, Darlington	Residential	DY Night	50	37	48	10.2	Relative Increase > 12dB
1955	9 Button Close, Darlington ¹	Residential	DY Night	50	32	45	12.7	-
1957	6 Button Close, Darlington	Residential	DY Night	50	42	50	8.0	Relative Increase > 12dB
1957	6 Button Close, Darlington ¹	Residential	DY Night	50	33	47	14.2	-
1958	8 Button Close, Darlington	Residential	DY Night	50	40	48	7.8	Relative Increase > 12dB
1958	8 Button Close, Darlington ¹	Residential	DY Night	50	33	46	12.9	-
1959	7 Button Close, Darlington	Residential	DY Night	50	42	50	7.2	Relative Increase > 12dB
1959	7 Button Close, Darlington ¹	Residential	DY Night	50	33	45	12.4	-
1968	8 Elliot Close, Darlington	Residential	DY Night	50	36	49	13.1	Relative Increase > 12dB
1974	9 Elliot Close, Darlington	Residential	DY Night	50	43	51	8.1	Increase > 2dB
1982	11 Elliot Close, Darlington	Residential	DY Night	50	44	51	7.1	Increase > 2dB
1988	12 Elliot Close, Darlington	Residential	DY Night	50	44	51	6.5	Increase > 2dB
1995	13 Elliot Close, Darlington	Residential	DY Night	50	45	51	5.8	Increase > 2dB
2003	14 Elliot Close, Darlington	Residential	DY Night	50	47	52	5.2	Increase > 2dB
2007	15 Elliot Close, Darlington	Residential	DY Night	50	46	51	4.8	Increase > 2dB
2040	6 Simpson Terrace, Darlington	Residential	DY Night	50	49	52	3.2	Increase > 2dB
2042	6 Simpson Terrace, Darlington	Residential	DY Night	50	49	52	3.2	Increase > 2dB
2047	6 Simpson Terrace, Darlington	Residential	DY Night	50	49	53	3.2	Increase > 2dB

ID	Address	Use	Scenario	L _{Aeq(period)} , dB(A)				Reason for eligibility
				Criteria	'Do minimum'	Design	Change	
2051	6 Simpson Terrace, Darlington	Residential	DY Night	50	49	52	3.0	Increase > 2dB
2056	6 Simpson Terrace, Darlington	Residential	DY Night	50	50	53	2.8	Increase > 2dB
2058	6 Simpson Terrace, Darlington	Residential	DY Night	50	50	52	2.8	Increase > 2dB
2061	6 Simpson Terrace, Darlington	Residential	DY Night	50	50	52	2.7	Increase > 2dB
2072	2 Simpson Terrace, Darlington	Residential	DY Night	50	50	53	2.1	Increase > 2dB
2152	4 Blaxland Avenue, Singleton Heights	Residential	DY Night	50	49	52	2.7	Increase > 2dB
2158	37 White Avenue, Singleton Heights	Residential	DY Night	50	48	51	2.9	Increase > 2dB
2165	37 White Avenue, Singleton Heights	Residential	DY Night	50	48	51	3.2	Increase > 2dB
2174	10 Blaxland Avenue, Singleton Heights	Residential	DY Night	50	47	51	3.2	Increase > 2dB
2175	38 Maison Dieu Road, McDougalls Hill	Residential	DY Night	50	56	55	-0.7	Exceeds cumulative noise limit
2177	3 Blaxland Avenue, Singleton Heights	Residential	DY Night	50	47	51	3.5	Increase > 2dB
2186	12 Blaxland Avenue, Singleton Heights	Residential	DY Night	50	49	51	2.6	Increase > 2dB
2192	14 Blaxland Avenue, Singleton Heights	Residential	DY Night	50	48	51	3.4	Increase > 2dB
2196	5 Blaxland Avenue, Singleton Heights	Residential	DY Night	50	47	51	3.4	Increase > 2dB
2210	16 Blaxland Avenue, Singleton Heights	Residential	DY Night	50	48	51	3.6	Increase > 2dB
2211	7 Blaxland Avenue, Singleton Heights	Residential	DY Night	50	48	51	2.9	Increase > 2dB
2217	18 Blaxland Avenue, Singleton Heights	Residential	DY Night	50	47	51	3.8	Increase > 2dB
2240	22 Blaxland Avenue, Singleton Heights	Residential	DY Night	50	47	51	3.9	Increase > 2dB

ID	Address	Use	Scenario	L _{Aeq(period)} , dB(A)				Reason for eligibility
				Criteria	'Do minimum'	Design	Change	
2328	34 Blaxland Avenue, Singleton Heights	Residential	DY Night	50	48	51	2.7	Increase > 2dB
2332	4876 New England Highway, McDougalls Hill	Residential	Dy Night	50	48	63	14.7	Increase > 2dB
2569	7 McDougall Close, McDougalls Hill	Residential	DY Night	50	49	52	2.4	Increase > 2dB
2662	2 Simpson Terrace, Darlington	Residential	DY Night	50	50	53	2.2	Increase > 2dB
2679	5077 New England Highway, Rixs Creek	Residential	DY Night	55	60	60	-0.2	Exceeds cumulative noise limit
2766	5022 New England Highway, McDougalls Hill	Residential	DY Night	50	50	53	2.3	Increase > 2dB

Notes:

- Noise levels presented are for the most affected façade (ie with the highest road traffic noise levels), however in some cases additional mitigation is not triggered for this façade but is for another façade of the building. In these cases noise levels are presented for both facades.

4.2 Overall impact of modification on road traffic noise

The proposed modification described in Section 1.1 relevant for road traffic noise has been reviewed with reference to the assessment detailed in the Technical Paper (November 2019). Table 4-3 provides an assessment of whether the proposed modification is consistent with the work packages assessed in the Technical Paper (November 2019) and identifies if additional mitigation measures are required.

Table 4-3 Consistency assessment of proposed modification on road traffic noise impacts

Proposed modification	Consistency with work assessed in Technical Paper (November 2019)	Mitigation measures
<ul style="list-style-type: none"> • Reconfiguration of the southern connection to include a 600-metre-long bridge over the floodplain, with the southern connection northbound exit ramp to pass under the bridge • Increasing the bridge over the Main North railway line, Doughboy Hollow and Hunter River floodplain, Army Camp Road, Putty Road and the northbound entry and exit ramps at the Putty Road connection from 1.7 kilometres to 1.84 kilometres in length (bridge over the floodplain) • Inclusion of a southbound entry ramp and northbound exit ramp at the Putty Road connection to create a full interchange via a new roundabout at Putty Road 	<ul style="list-style-type: none"> • Additional receivers beyond those identified in the REF (14) are anticipated to be impacted and are included in Table 4-2. • No changes to the noise barriers are required. 	<p>Mitigation measures outlined in the Technical Paper (November 2019) would manage potential noise impacts associated with this activity. Noise mitigation would be provided to an additional number of receivers (14).</p>

5.0 Conclusion

Transport for NSW proposes to modify the New England Highway bypass of Singleton project. AECOM Australia Pty Ltd (AECOM) prepared a Review of Environmental Factors (REF) for the New England Highway bypass of Singleton (the Proposal) (AECOM, 2019a), including a Noise and Vibration Technical Paper (Technical Paper) (November 2019) (AECOM, 2019b).

Following public display of the REF, ongoing design development and construction planning resulted in design changes to the Proposal. This report is an addendum to the Technical Paper and assesses these changes (the proposed modification). This addendum should be read in conjunction with the Technical Paper.

5.1 Construction Impacts

A construction noise and vibration impact assessment has been completed in accordance with the Environment Protection Authority's *Interim Construction Noise Guideline* and the *Construction Noise and Vibration Guideline* and was documented in the Technical Report. The assessment has been updated to consider the proposed modifications.

The assessment indicates exceedances of the *Interim Construction Noise Guideline* noise management levels at some sensitive receivers during standard hours works. Exceedances of the construction noise management levels would be generally less than 10 dB(A) at the Southern connection laydown area, Waterworks Lane, Gowrie Gates and Northern Cut construction compounds. Up to six receivers are predicted to be highly noise affected close to the Waterworks Lane construction compound. The noisiest construction works would be site establishment activities.

Noise levels from the works associated with the alignment would exceed the noise management levels at nearby receivers during a number of scenarios. The pavement and earthworks are likely to cause the largest number of exceedances of the noise management levels. Most exceedances would be less than 10 dB(A), however some would be greater than 20 dB(A). Up to eight residences would be highly noise affected during these works.

During out of hours works exceedances of the noise management levels would occur at some sensitive receivers. Exceedances would be generally less than 15 dB(A) at the Southern connection laydown areas and generally less than 25 dB(A) at the Waterworks Lane, Gowrie Gates and Northern Cut construction compounds, although some exceedances greater than 25 dB(A) could occur. The noisiest construction works would be the laydown works.

Noise levels from the works associated with the alignment would exceed the noise management levels at nearby receivers during a number of scenarios. The pavement works are likely to cause the largest number of exceedances and sleep awakening reactions. Most exceedances would be less than 25 dB(A), however some would be greater.

Overall the pavement works would have the greatest impacts (considering timing, duration, and noise impacts). This work would be undertaken during standard hours and out of hours at times. As the pavement works are progressive in nature receivers will not be affected for the whole duration of construction works. As recommended in the Technical Paper noise mitigation and management measures would need to be developed by the contractor to reduce the potential noise impacts from the works.

The Technical Paper recommended minimum working distances for vibration intensive construction works, these remain unchanged. Vibration intensive activities during site establishment works for the Southern connection laydown area, the Waterworks Lane construction compound and the Gowrie Gates construction compound may occur within the human comfort minimum working distances at times. For the alignment works vibration intensive activities may occur within the human comfort minimum working distances during earthworks, bridge construction and pavement works. Advance notification should be given to all potentially affected receivers.

Mitigation measures outlined in the Technical Paper (November 2019) would manage potential noise impacts associated with this activity. No additional mitigation measures are required, however the area where these mitigation measures are required has been updated.

5.2 Operational Impacts

An operational road traffic impact noise assessment has been completed in accordance with the Environment Protection Authority's *NSW Road Noise Policy* and Transport for NSW's *Road Noise Criteria Guideline* and *Road Noise Mitigation Guideline* and documented in the Technical Report. The assessment has been updated to consider the proposed modifications.

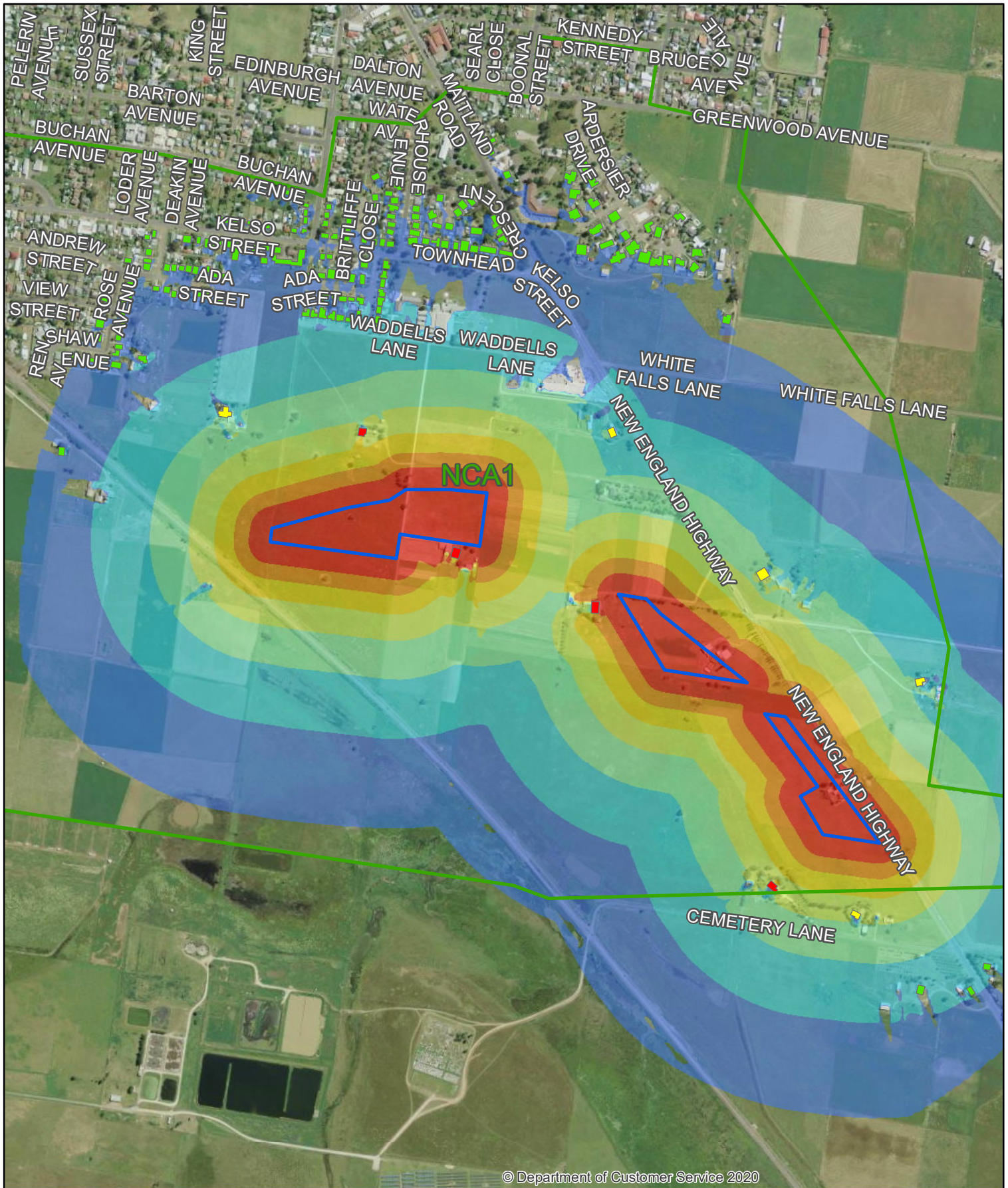
Noise levels have been predicted at sensitive receiver locations throughout the operational noise study area for both the daytime and night-time scenarios. Exceedances of the applicable noise criteria have been identified. A barrier assessment was completed for barriers one to three which are located south of Singleton and Glenridding. No changes to the proposed barrier heights and locations were found to be required.

Assuming the construction of the six noise barriers, as documented in the Technical Report, 103 noise sensitive receivers are considered to be eligible for the consideration of at-receiver noise treatment. This includes 37 receivers in Darlington, 34 in Glenridding, 13 in Singleton Heights, 11 in Singleton, three in Whittingham, four in McDougalls Hill and one in Rixs Creek.

At-receiver treatments may include, but are not limited to, ventilation, glazing, window and door seals, sealing of vents and underfloor areas. These recommendations would be reviewed and confirmed at the detailed design phase when more specific information would be available for each property.

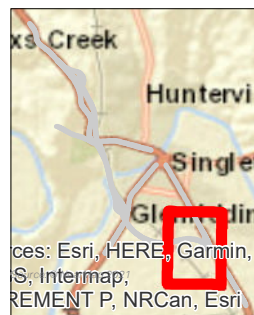
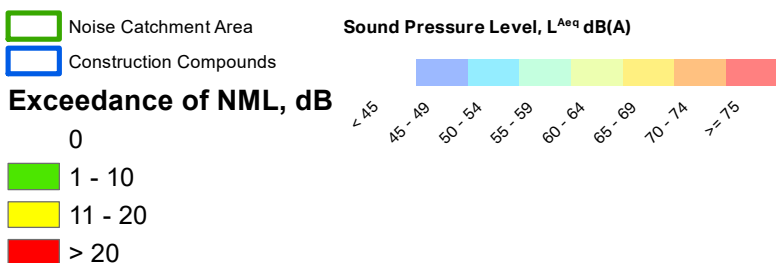
Appendix A

Construction noise contours

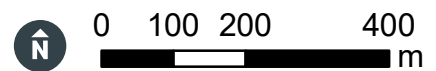


© Department of Customer Service 2020

Singleton Bypass - Noise Contours
 Southern Connection - Vegetation clearing - Standard Hours



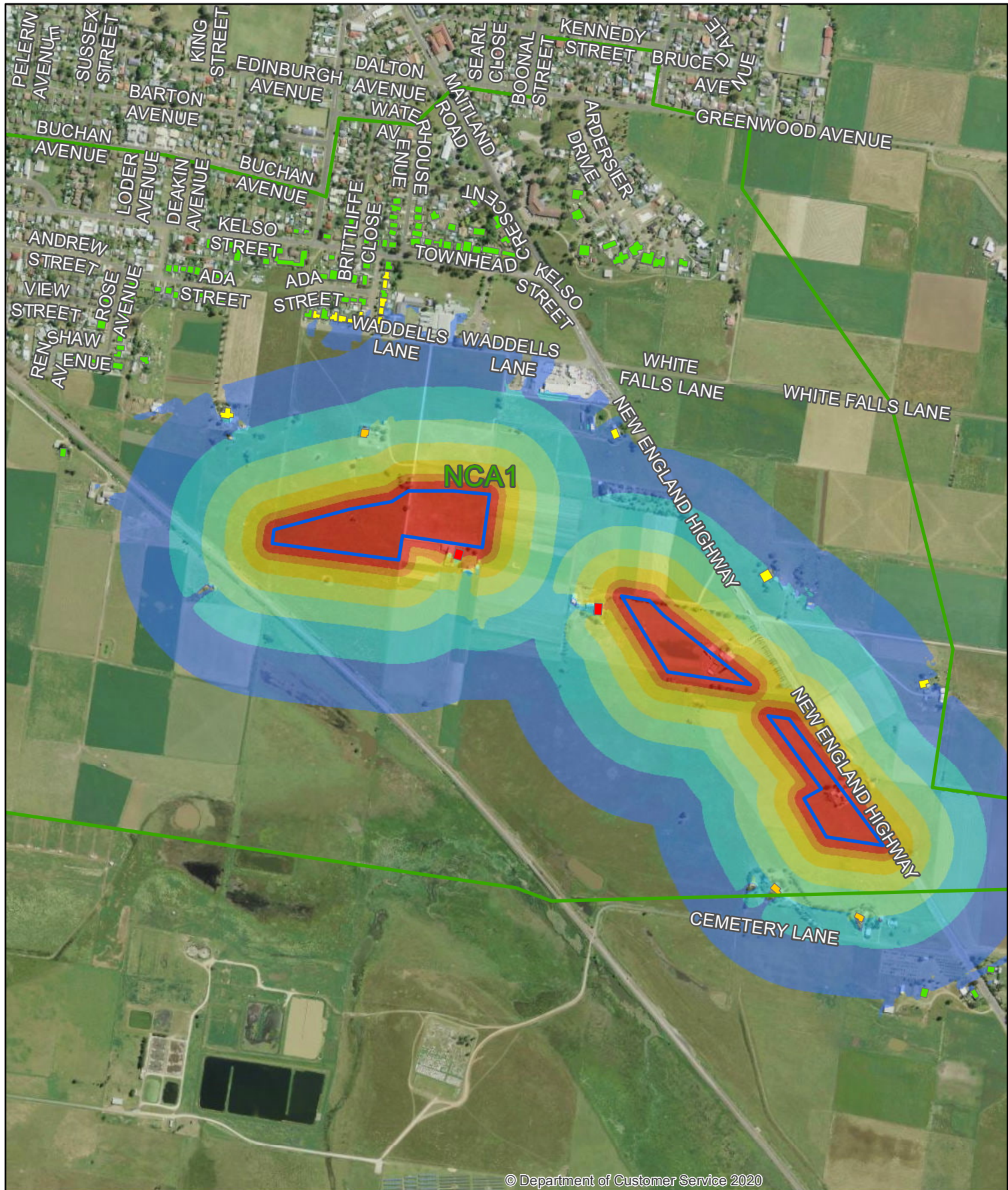
AECOM



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 4.0 Australia licence © Department of Customer Service 2020, (Digital Cadastral Database and/or Digital Topographic Database).

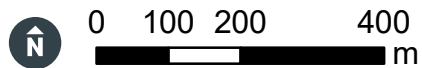
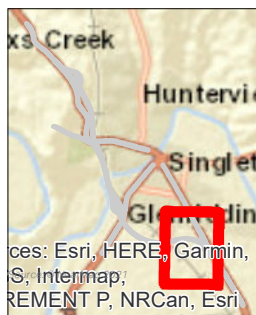
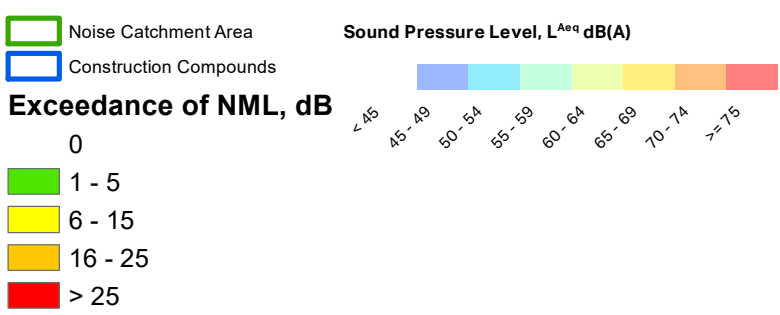
The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



© Department of Customer Service 2020

Singleton Bypass - Noise Contours
Southern Connection - Laydown, storage and delivery - Outside Standard Hours

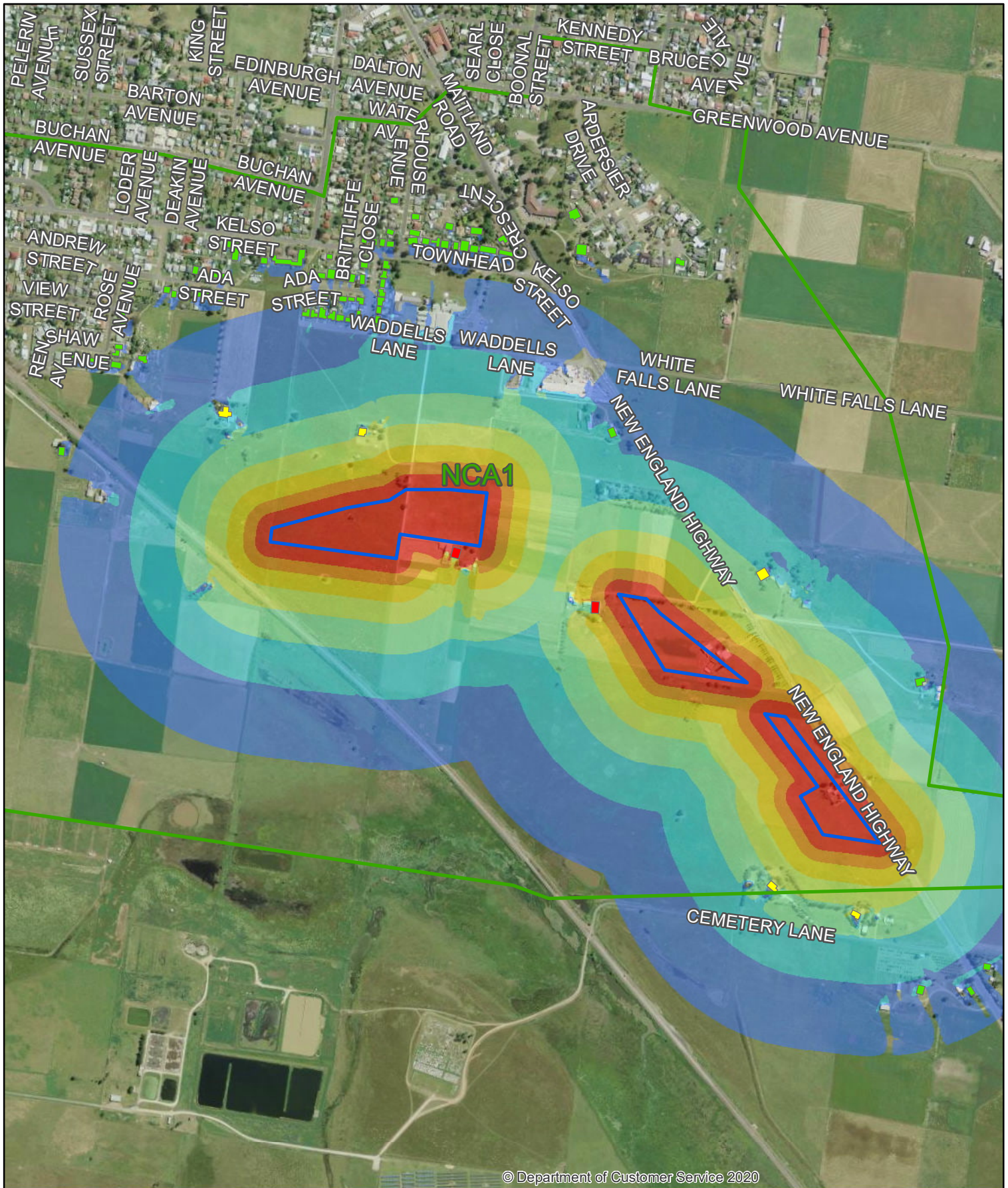


AECOM

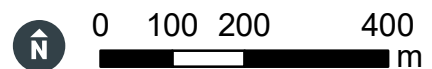
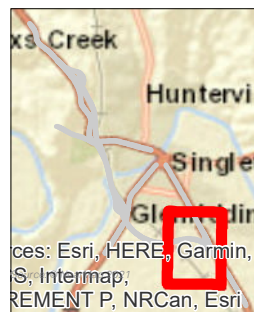
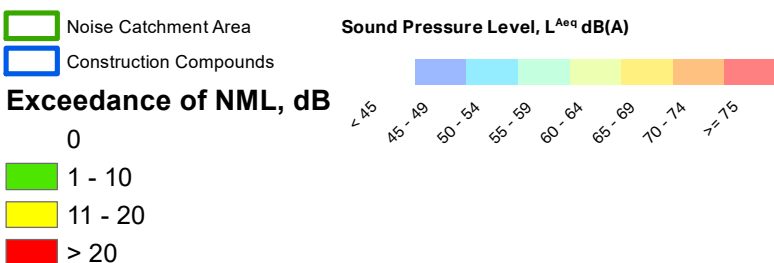
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 4.0 Australia licence © Department of Customer Service 2020, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



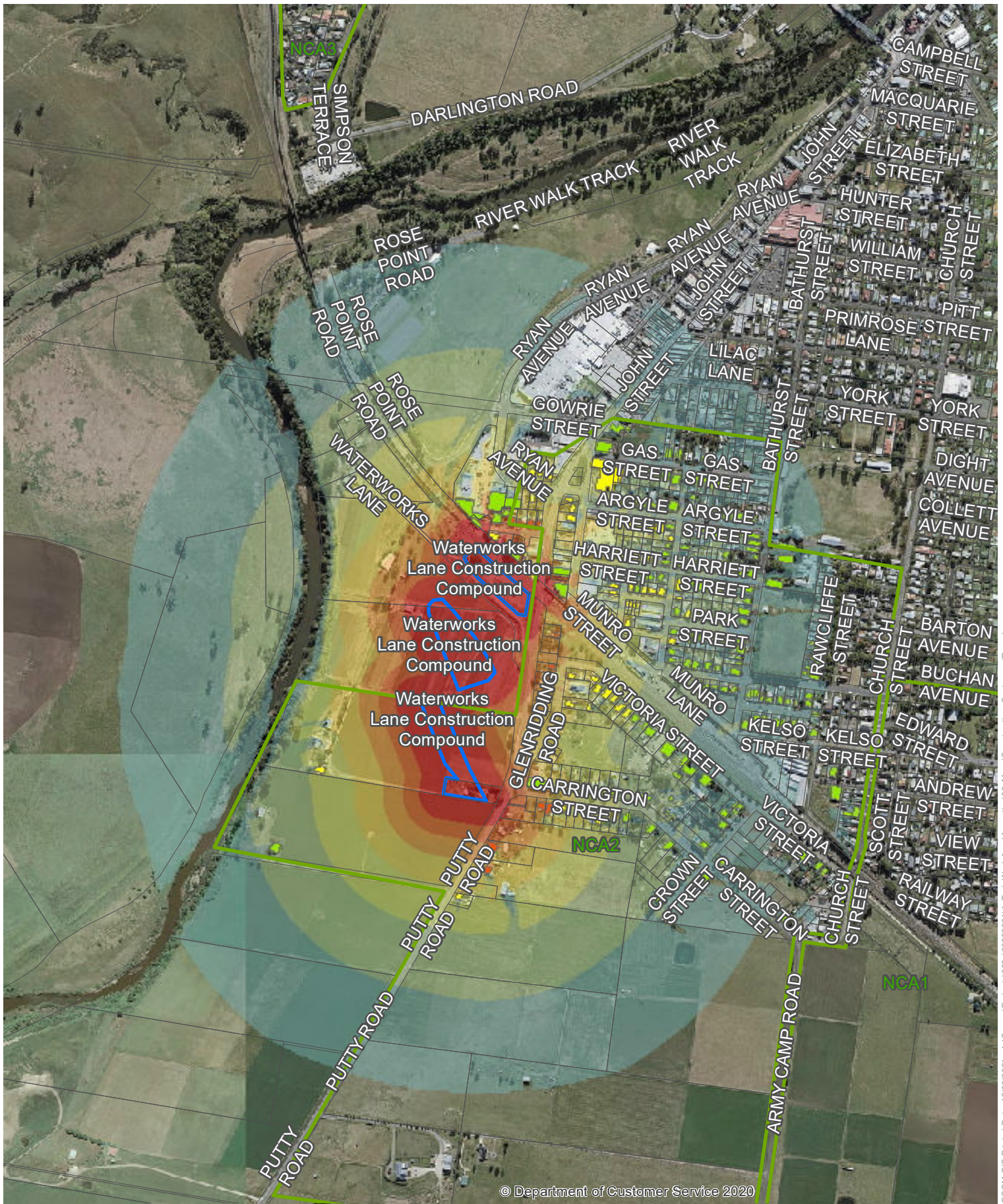
Singleton Bypass - Noise Contours
 Southern Connection - Demobilisation - Standard Hours



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 4.0 Australia licence © Department of Customer Service 2020, (Digital Cadastral Database and/or Digital Topographic Database).

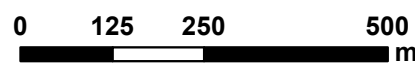
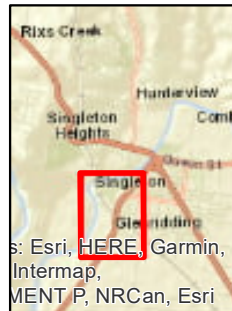
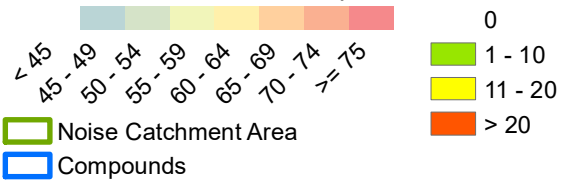
The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Singleton Bypass - Noise Contours
 Waterworks Lane - Vegetation clearing - Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB



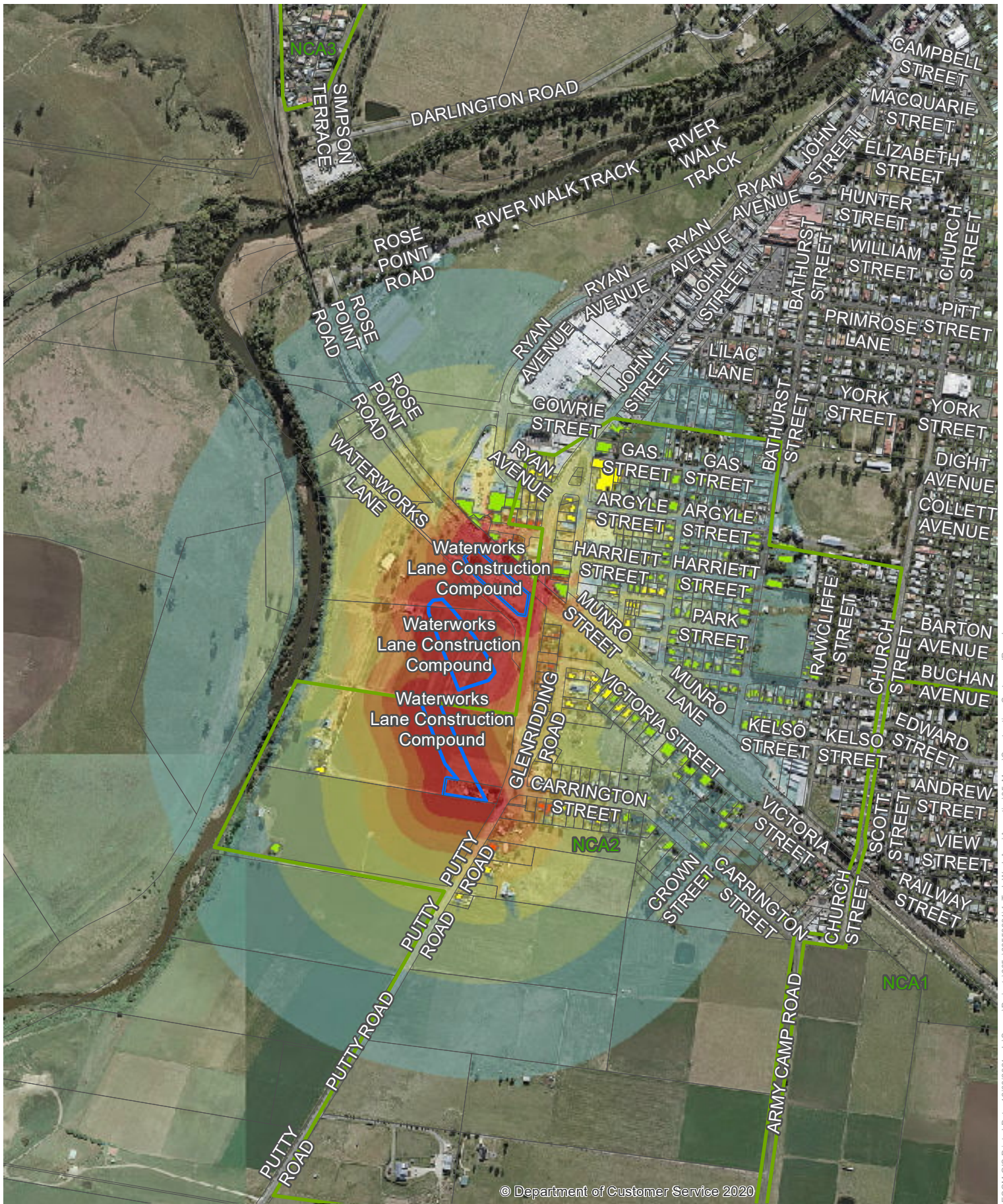
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
 © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).

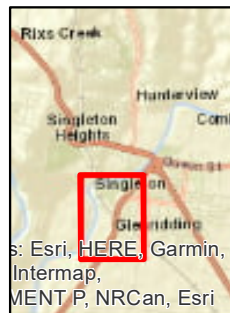
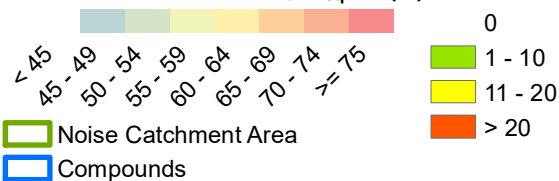
AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

AECOM GIS Printed Date: 12/08/2021 L:\Secure\Projects\605x605\5893114_Tech Work Area\Acoustics\05_Maps\Construction_Contours_JR.mxd



Singleton Bypass - Noise Contours
 Waterworks Lane - Establishment of site - Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB

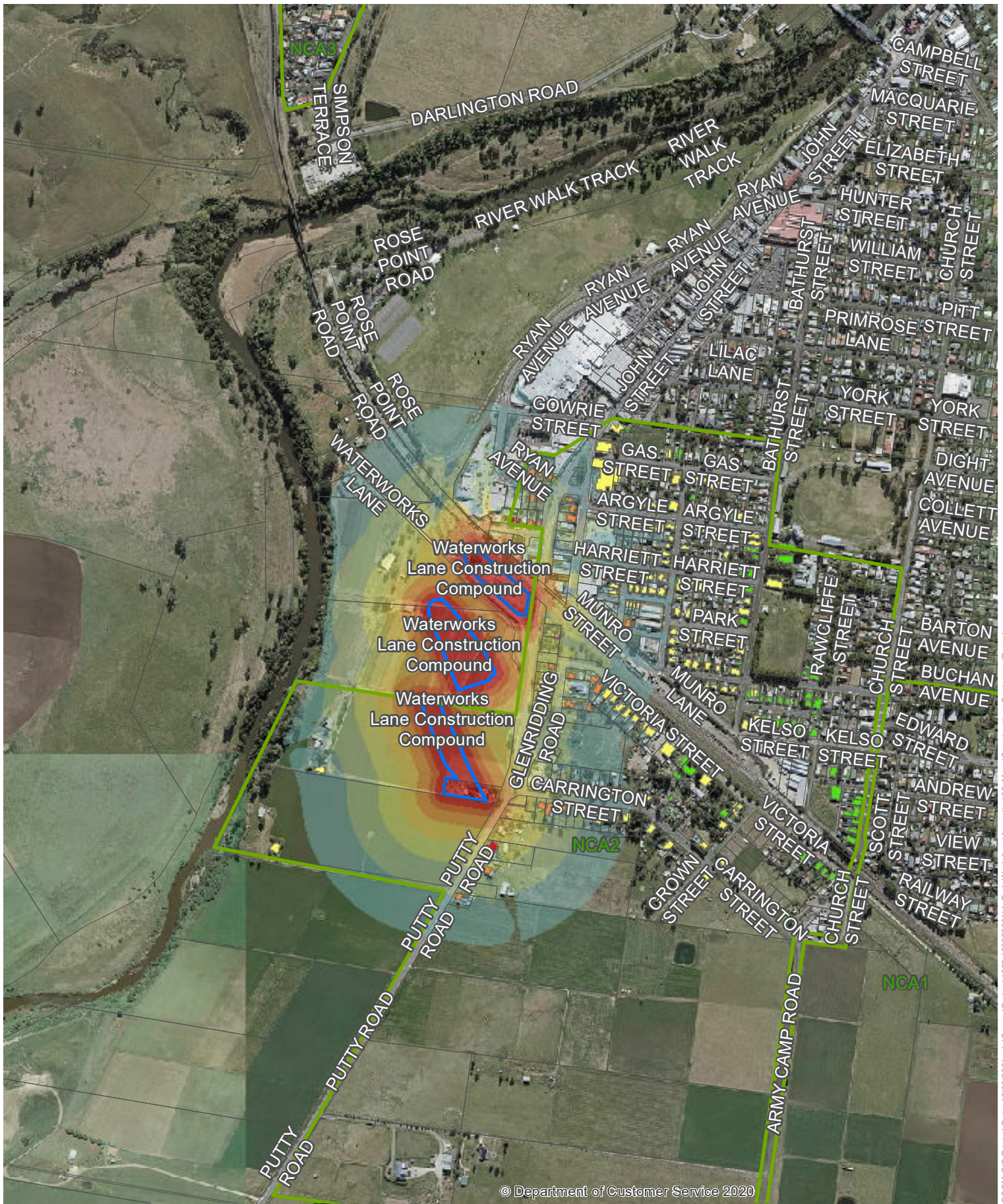


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
 © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

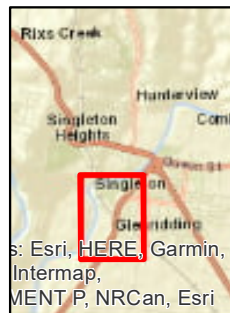
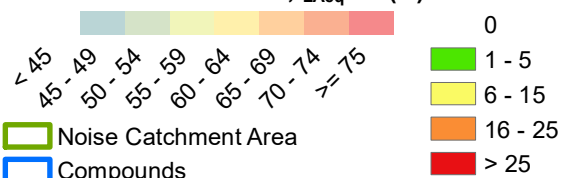
Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Singleton Bypass - Noise Contours
 Waterworks Lane - Laydown, storage and delivery - Outside Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB



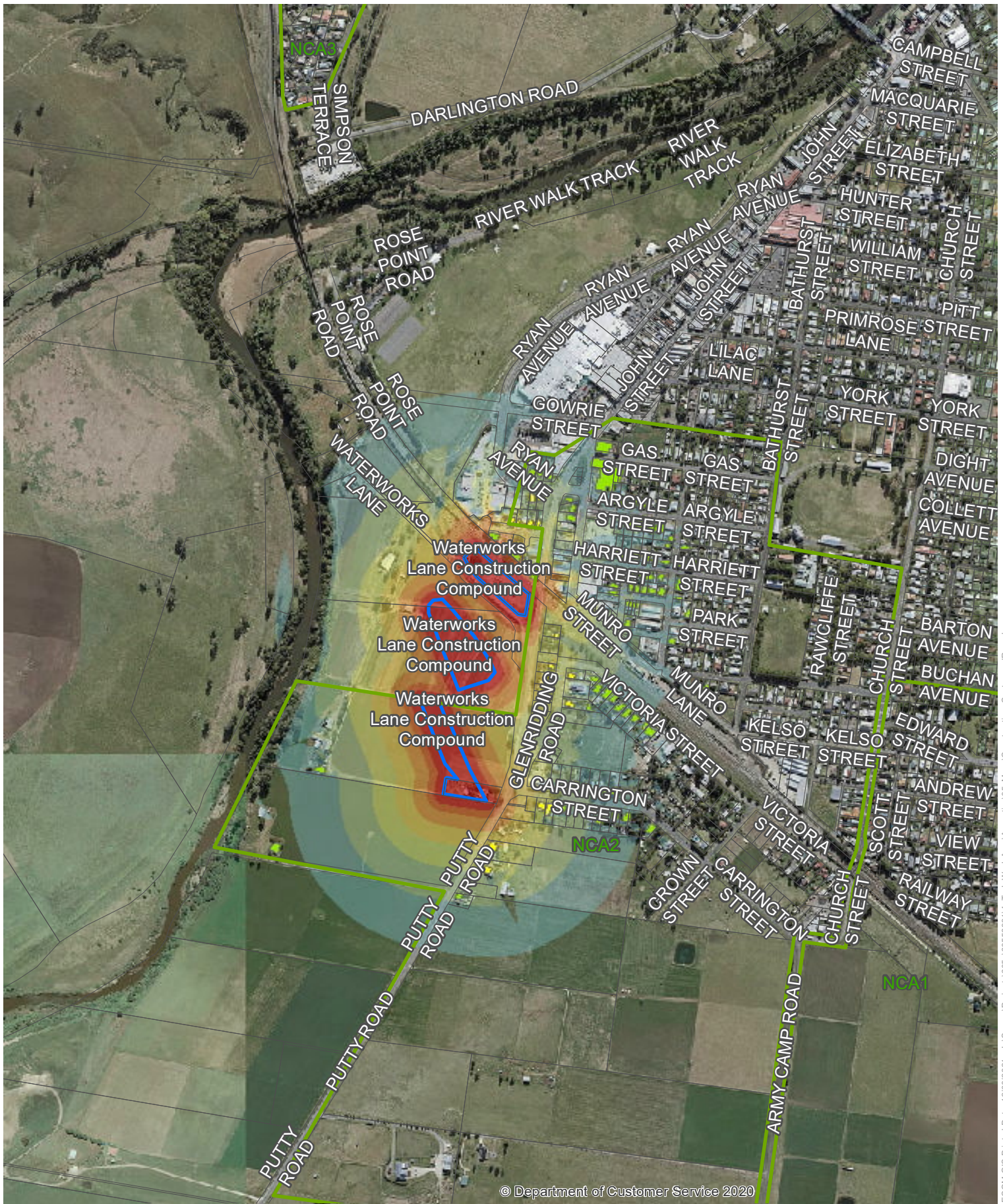
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
 © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).
 AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

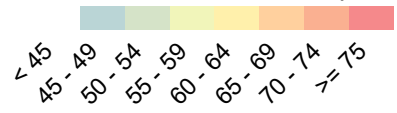
© Department of Customer Service 2020

AECOM GIS Printed Date: 12/08/2021 L:\Secure\Projects\605x605\5893114_Tech Work Area\Acoustics\05_Maps\Construction_Contours_JR.mxd



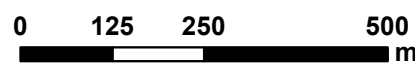
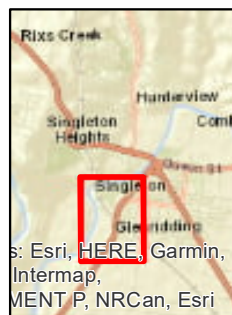
Singleton Bypass - Noise Contours
Waterworks Lane - Stockpiling - Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB



- Noise Catchment Area
- Compounds

- 0
- 1 - 10
- 11 - 20



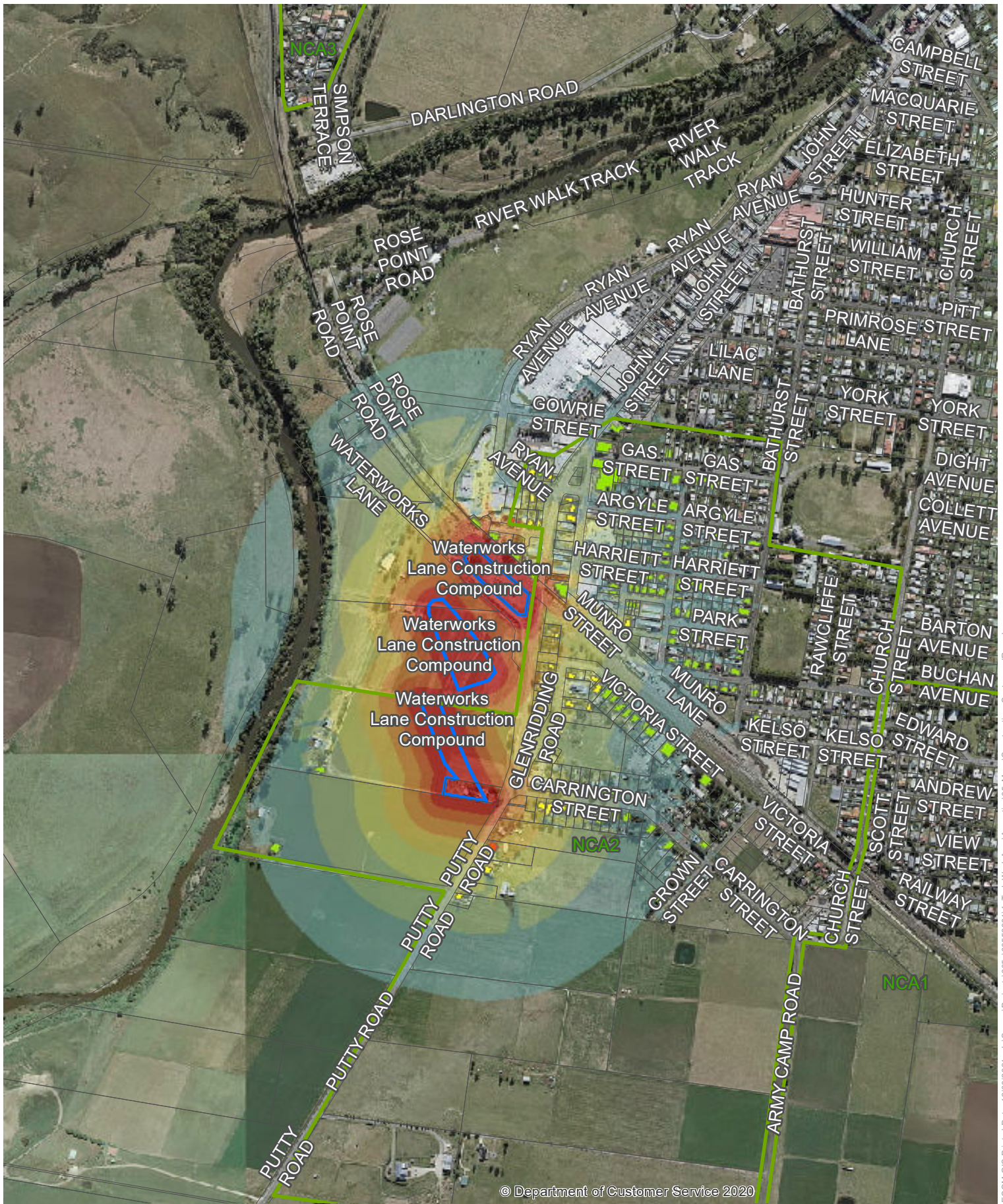
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
 © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).

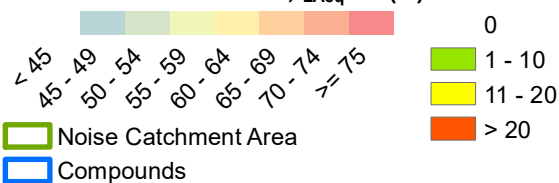
AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

AECOM GIS Printed Date: 12/08/2021 L:\Secure\Projects\605x605\5893114_Tech Work Area\Acoustics\05_Maps\Construction_Contours_JR.mxd

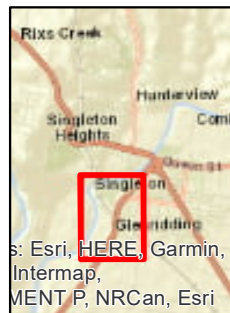


Singleton Bypass - Noise Contours
 Waterworks Lane - Demobilisation - Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB



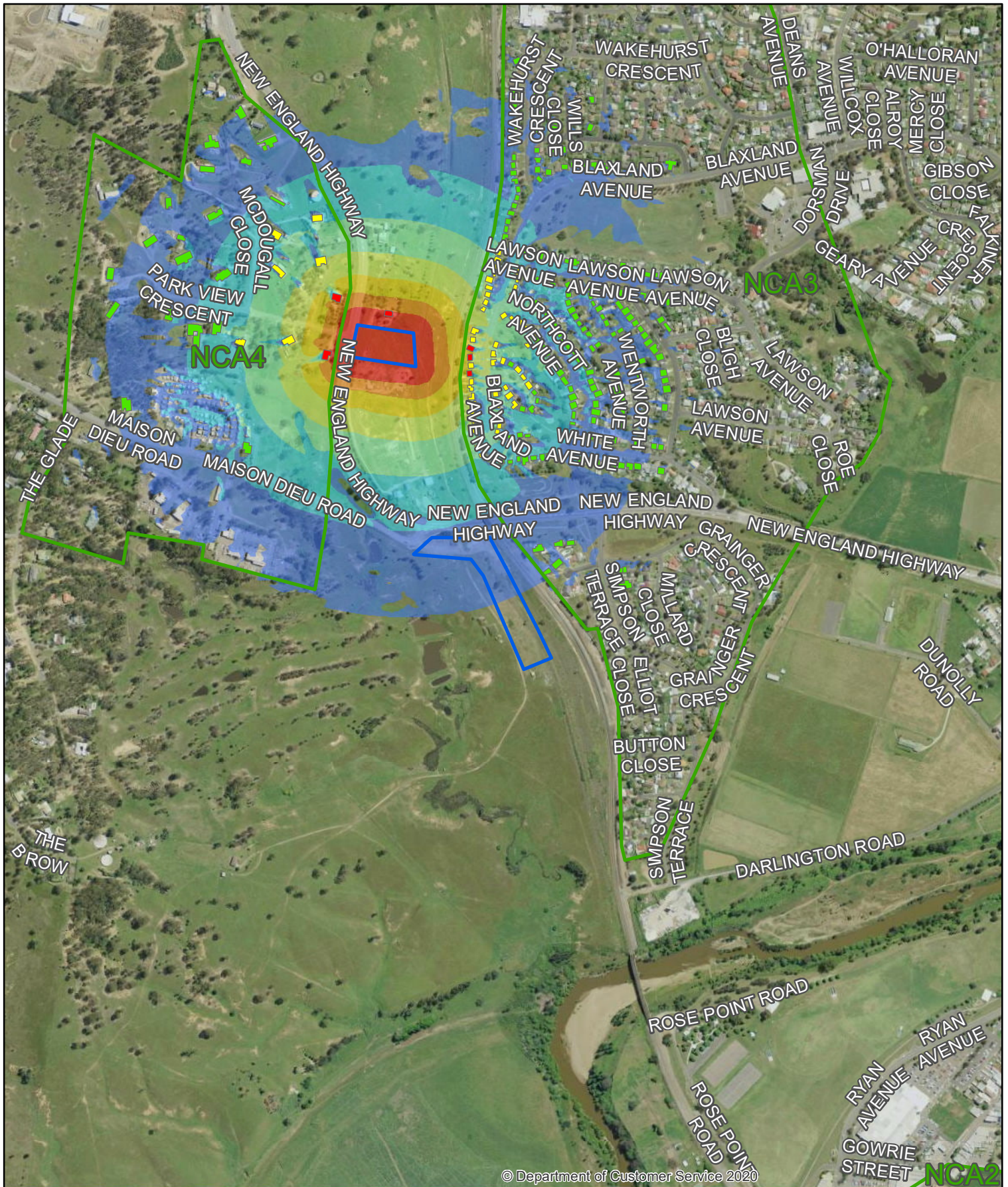
© Department of Customer Service 2020



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
 © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

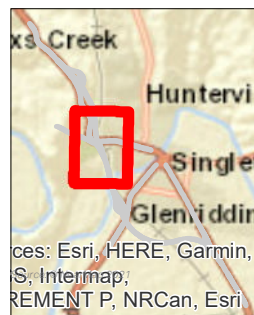
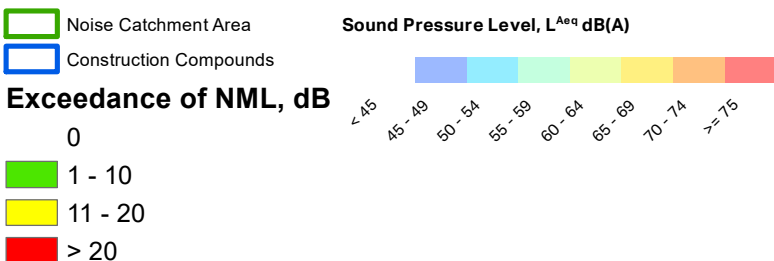
The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).
 AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

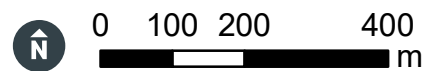


© Department of Customer Service 2020

Singleton Bypass - Noise Contours
Northern Cut - Vegetation clearing - Standard Hours



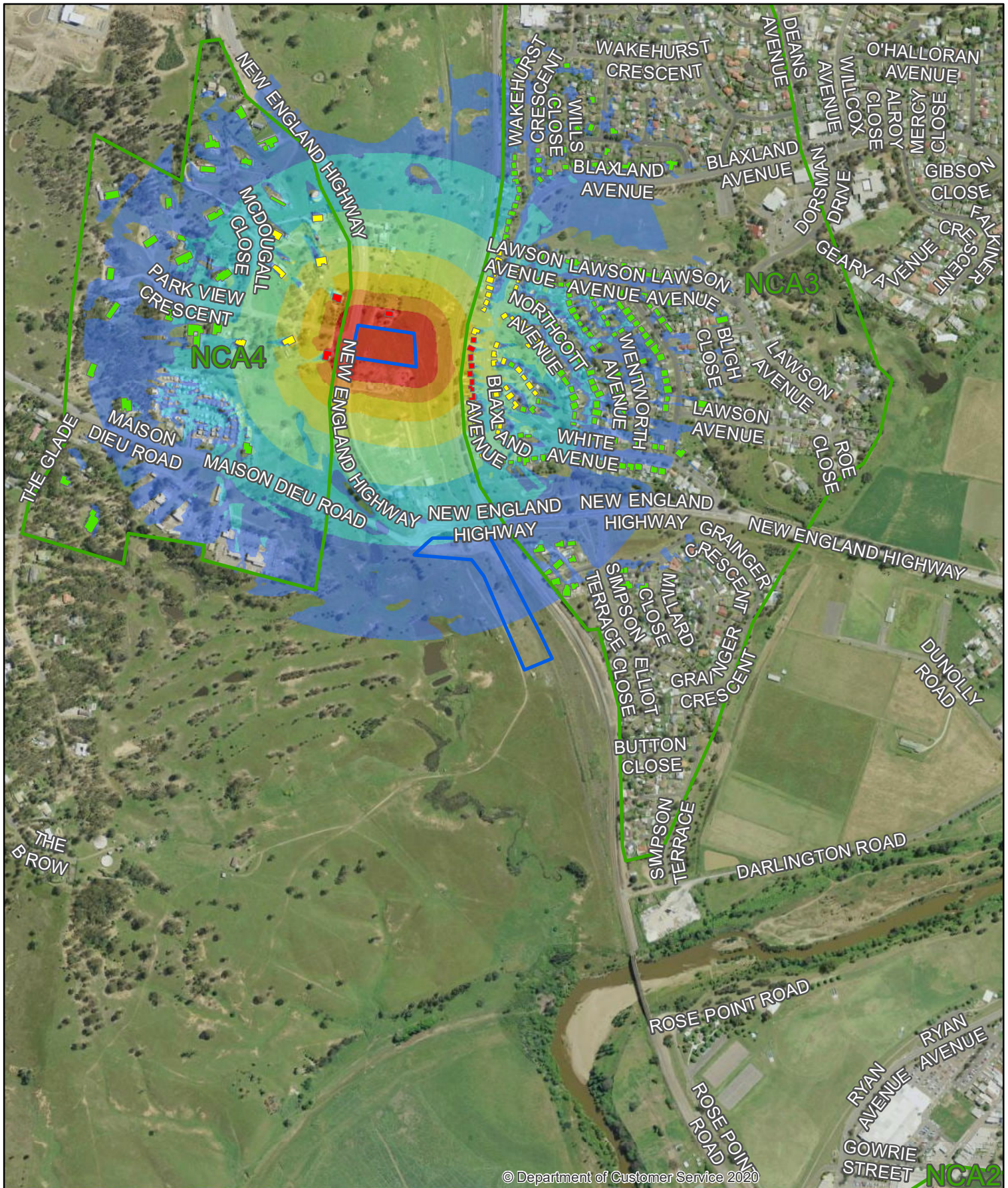
AECOM



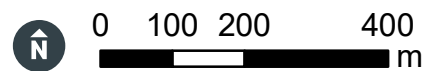
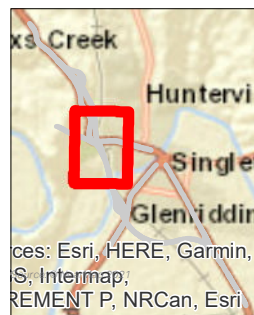
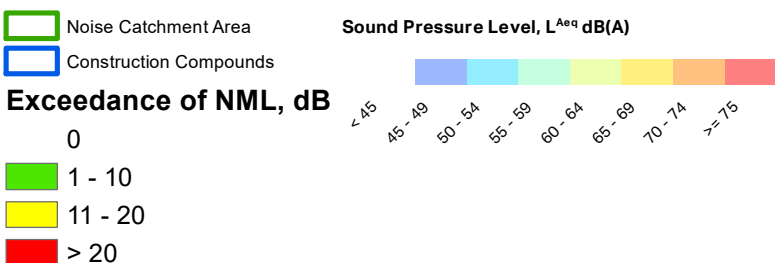
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 4.0 Australia licence © Department of Customer Service 2020, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Singleton Bypass - Noise Contours
Northern Cut - Establishment of site - Standard Hours

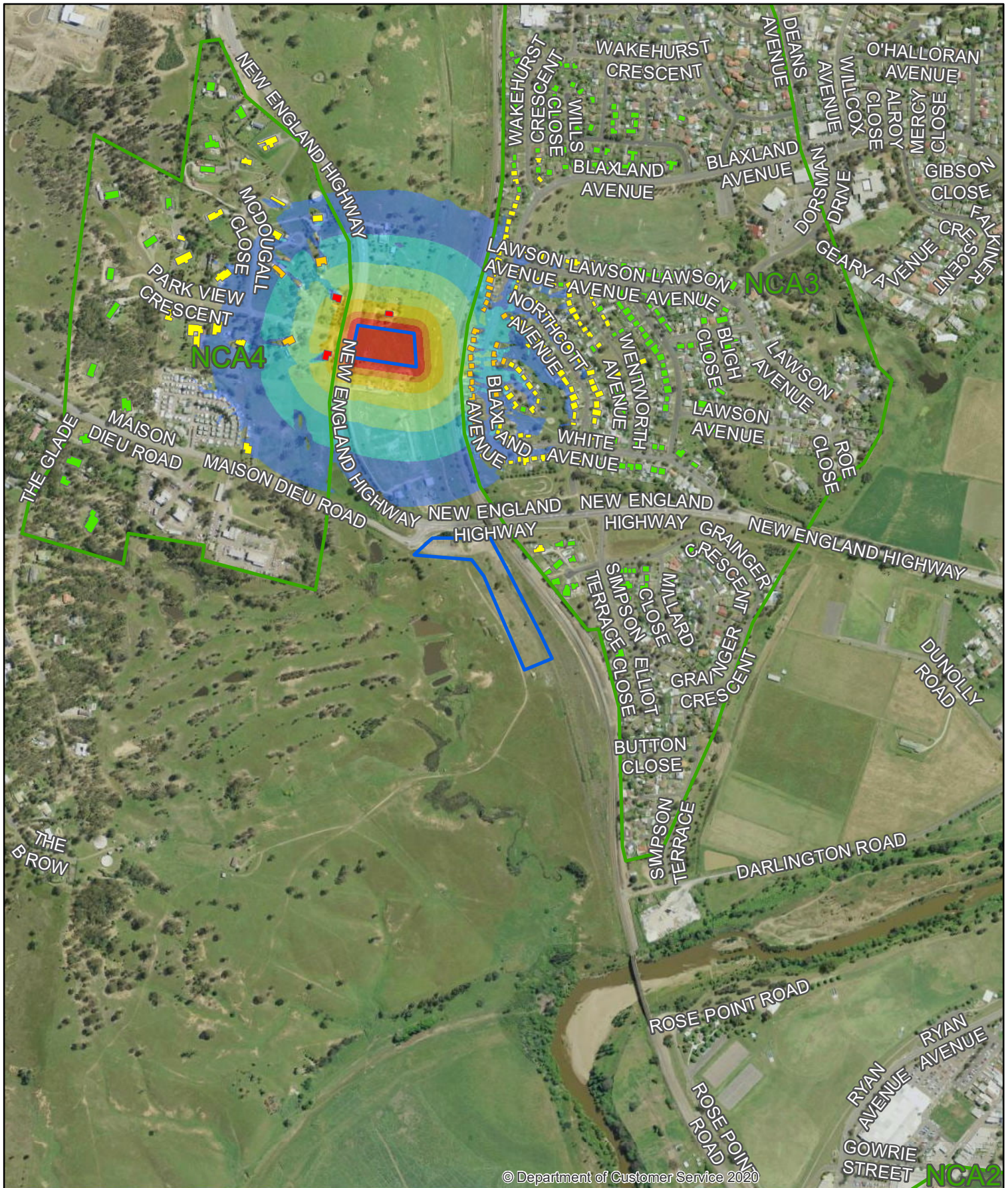


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020, (Digital Cadastral Database and/or Digital Topographic Database).

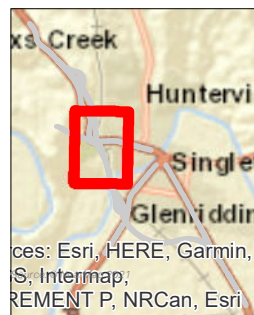
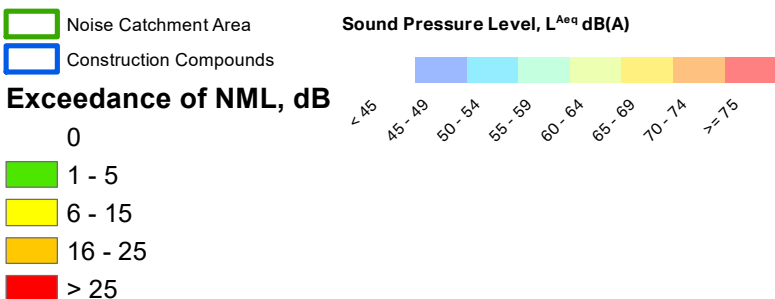
The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

AECOM

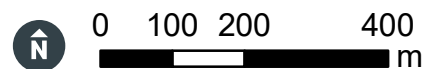


Singleton Bypass - Noise Contours
 Northern Cut - Laydown, storage and delivery - Outside Standard Hours



Sources: Esri, HERE, Garmin,
 Swisstopo, Intermap,
 GEBCO, CNES/Airbus DS, IGN,
 CNRS/IGN/CNES, NRCAN, Esri

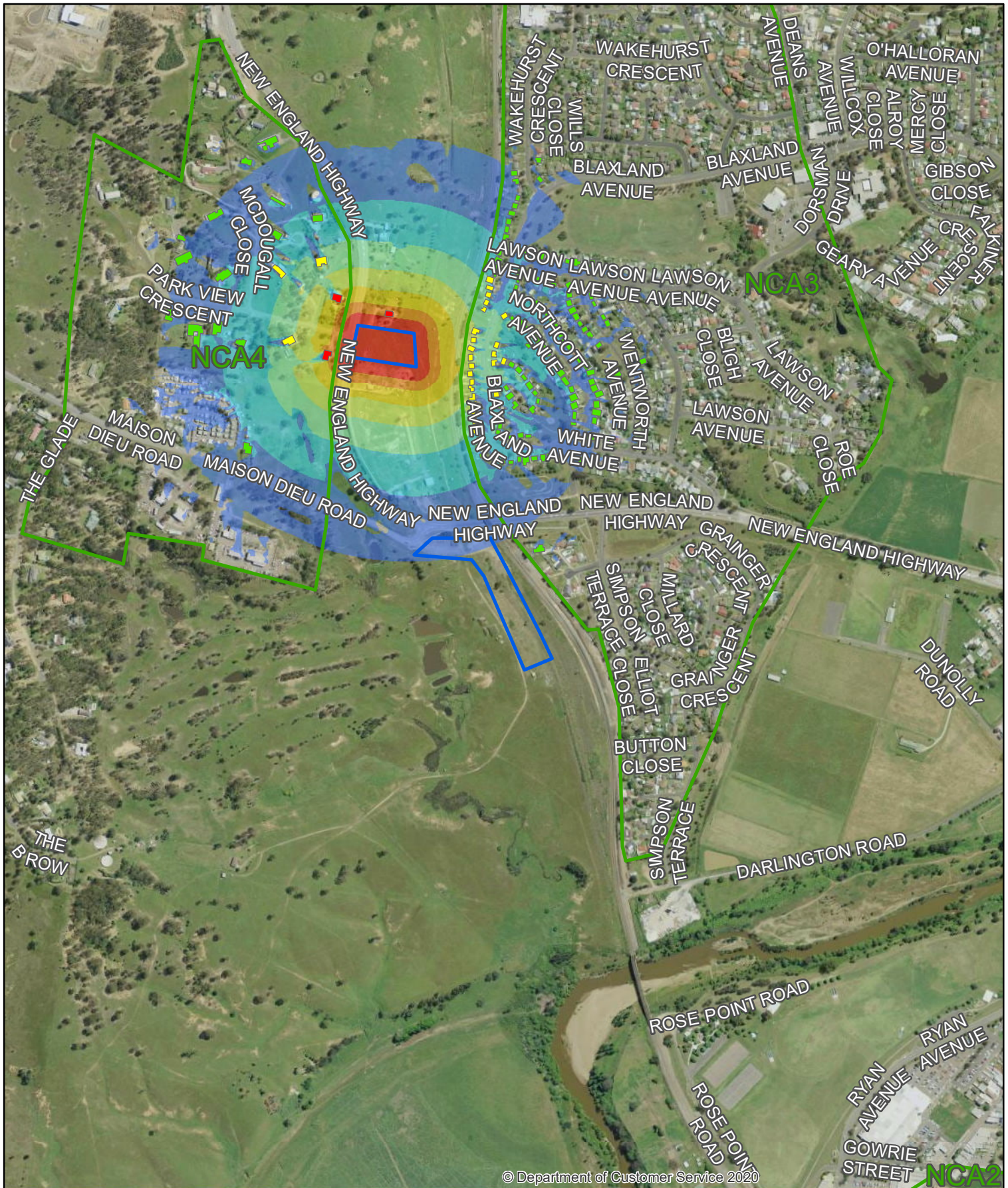
AECOM



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020, (Digital Cadastral Database and/or Digital Topographic Database).

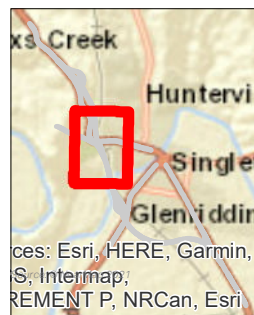
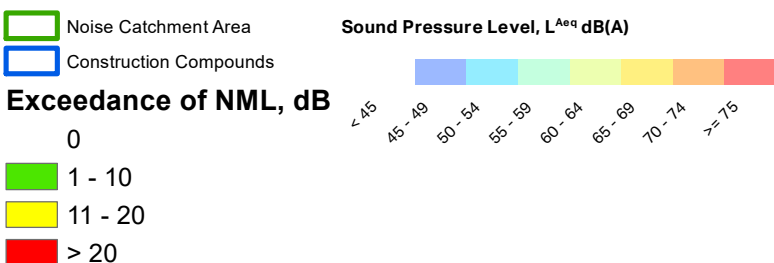
The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright License). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



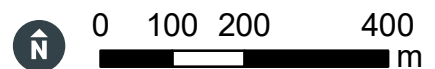
© Department of Customer Service 2020

Singleton Bypass - Noise Contours
Northern Cut - Demobilisation - Standard Hours



Data sources: Esri, HERE, Garmin, Swisstopo, Intermap, IGN, GEBCO, CNES/Airbus DS, USDA, AeroGRID, IGN, Esri, DeLorme, NAVTEQ, GEBCO, Swisstopo, NRCAN, Esri

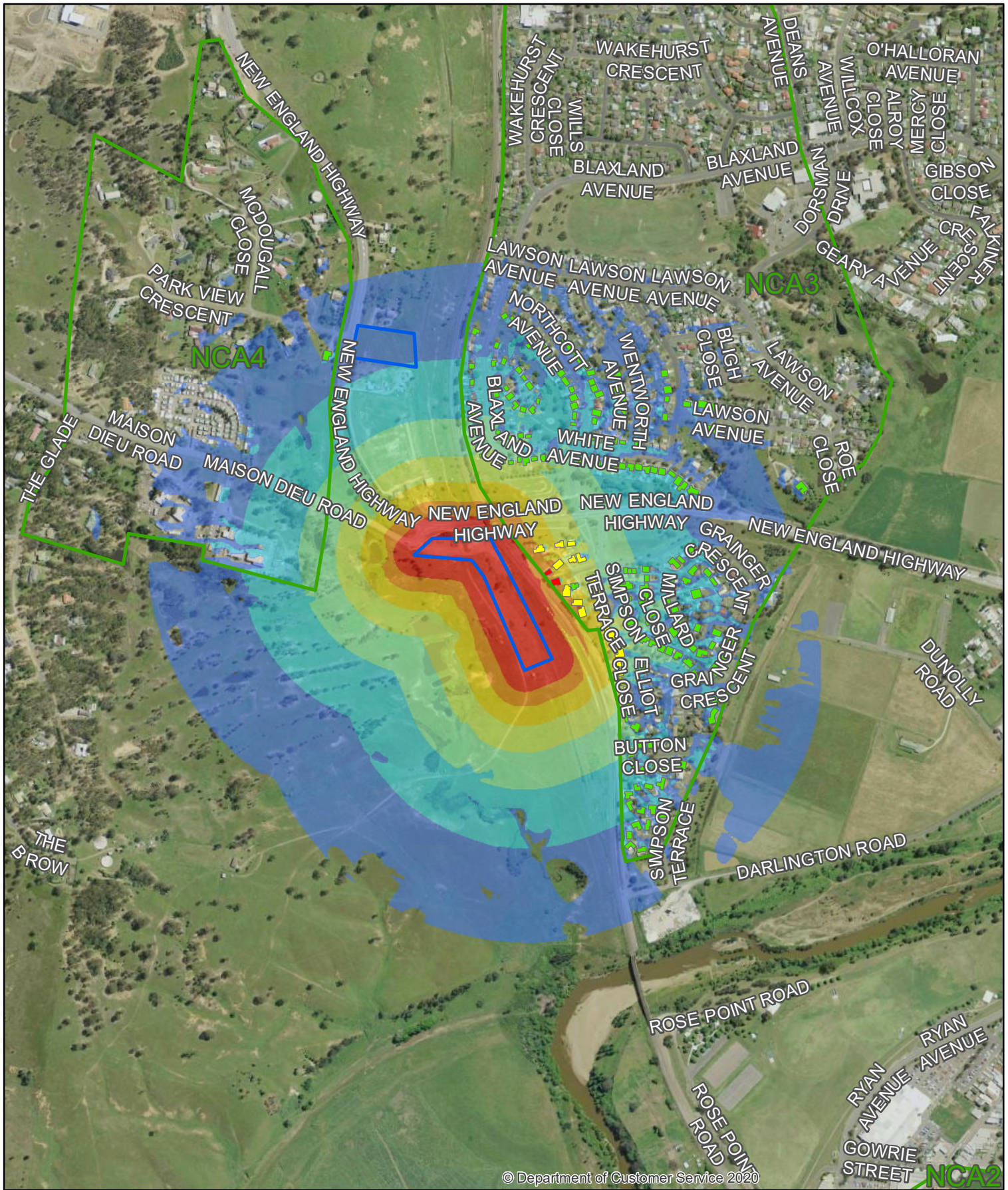
AECOM



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020, (Digital Cadastral Database and/or Digital Topographic Database).

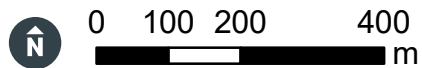
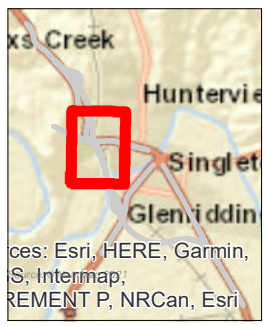
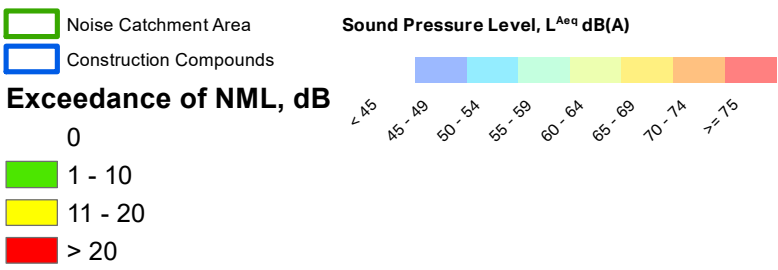
The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



© Department of Customer Service 2020

Singleton Bypass - Noise Contours
 Gowrie Gates - Establishment of site - Standard Hours

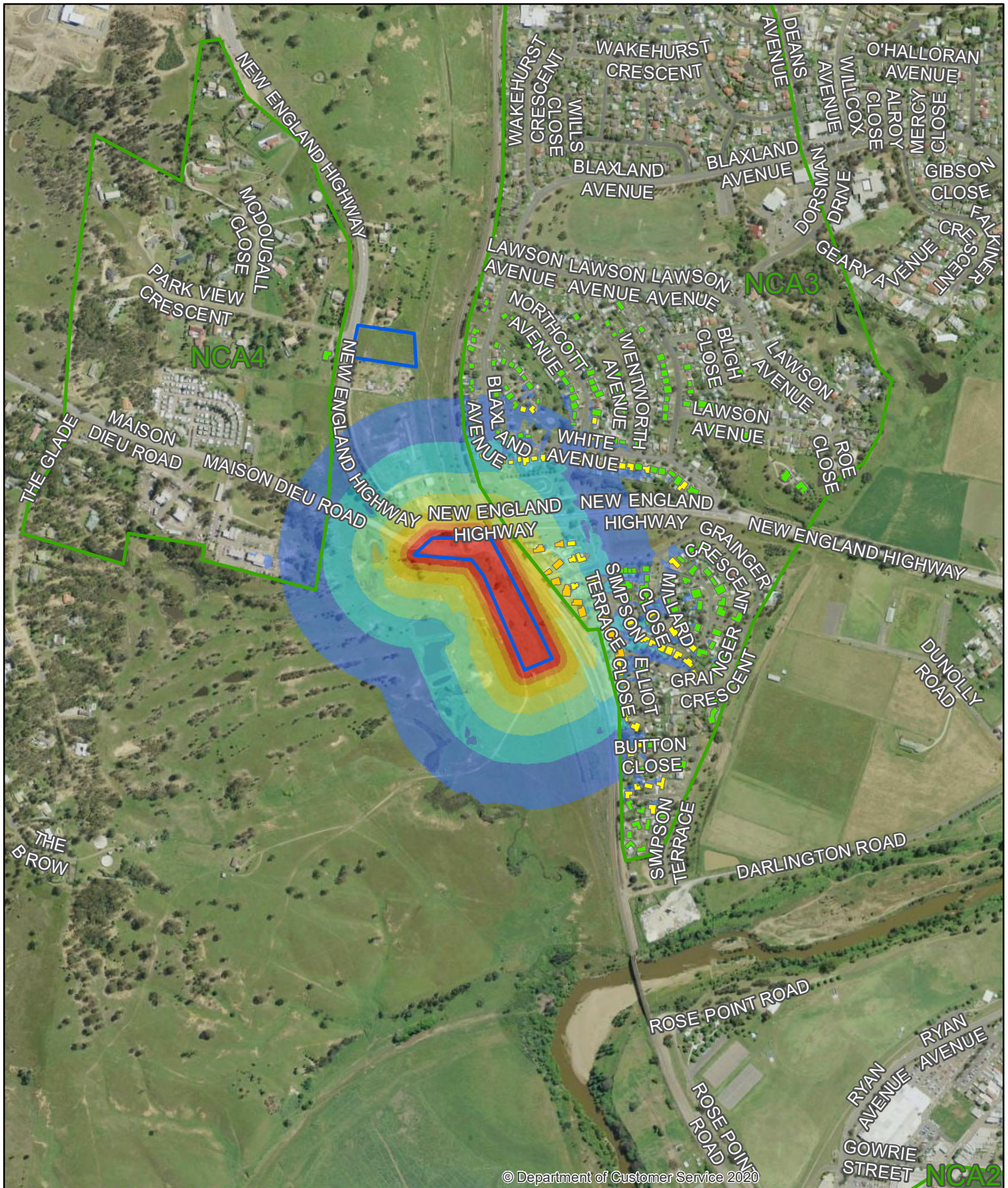


AECOM

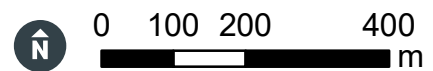
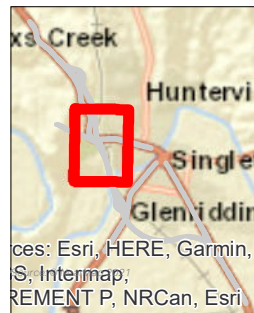
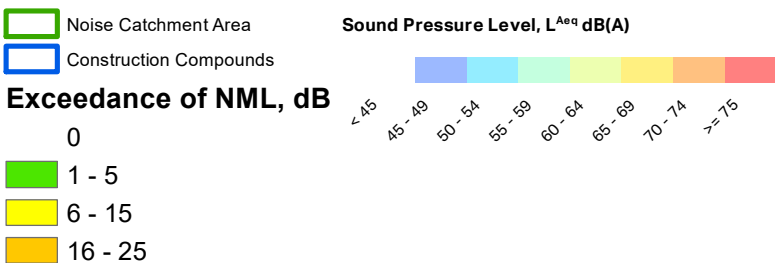
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Singleton Bypass - Noise Contours
 Gowrie Gates - Laydown, storage and delivery - Outside Standard Hours



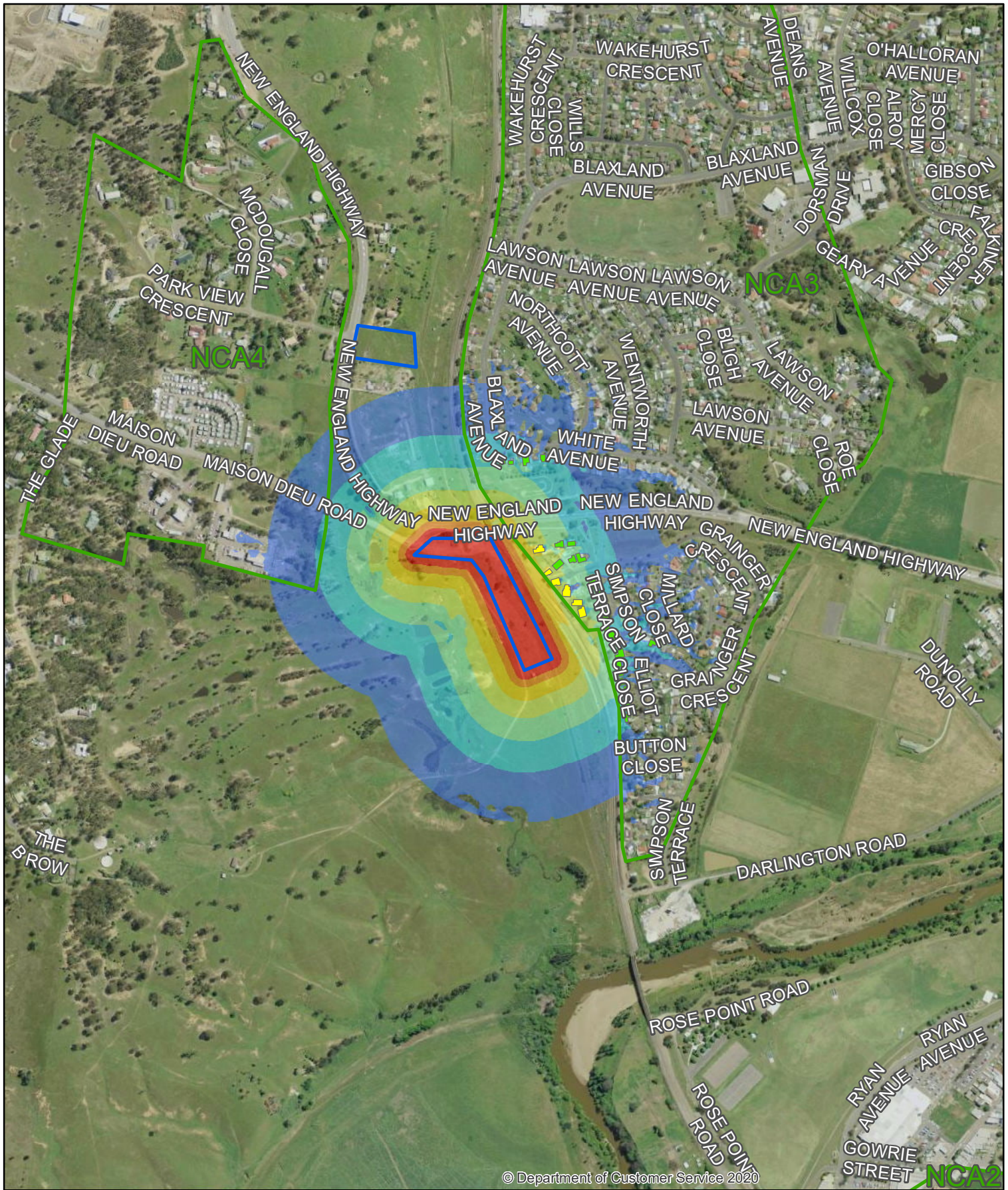
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

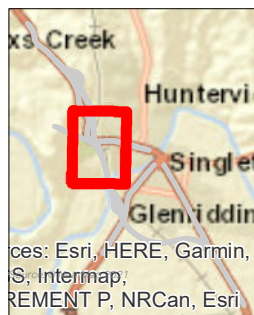
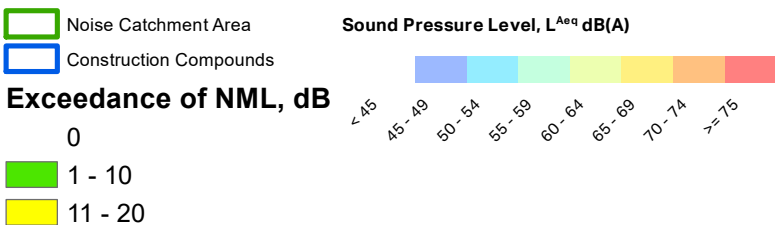
AECOM

Sources: Esri, HERE, Garmin, IGN, Intermap, Swire, GEBCO, DELorme, NAVTEQ, IGN, GEBCO, Esri, NRCAN, Esri



© Department of Customer Service 2020

Singleton Bypass - Noise Contours
Gowrie Gates - Stockpiling - Standard Hours



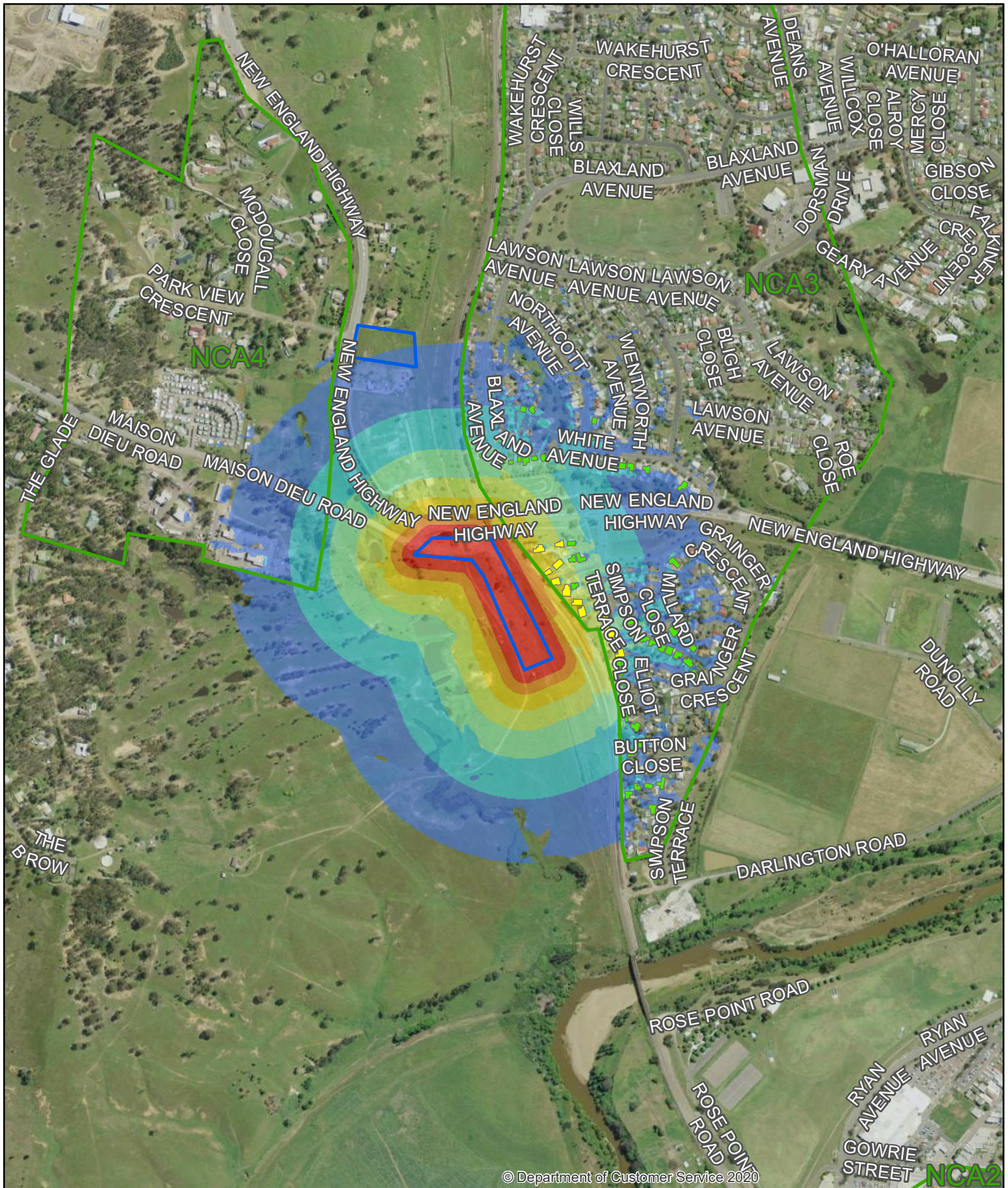
AECOM

0 100 200 400 m

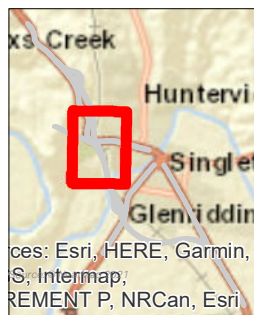
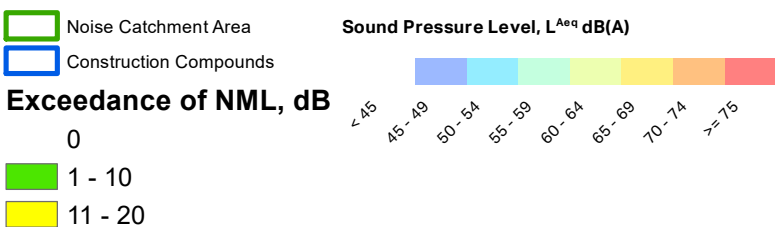
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright License). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Singleton Bypass - Noise Contours
 Gowrie Gates - Demobilisation - Standard Hours

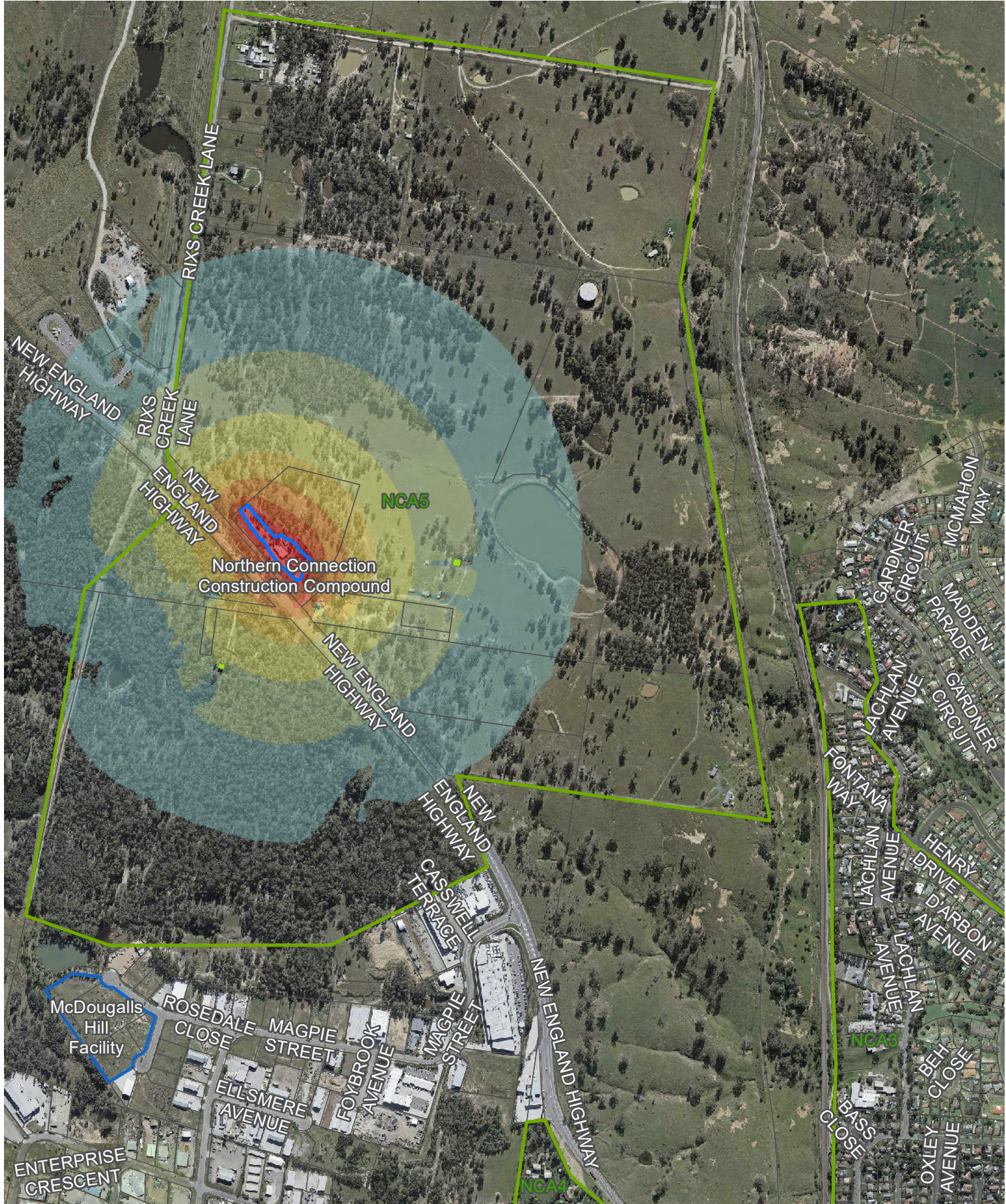


AECOM

Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020, (Digital Cadastral Database and/or Digital Topographic Database).

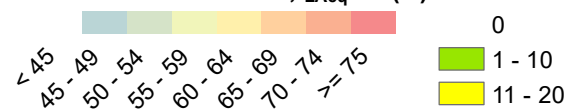
The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

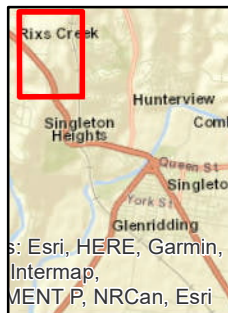


Singleton Bypass - Noise Contours
Northern Connection - Vegetation clearing - Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB



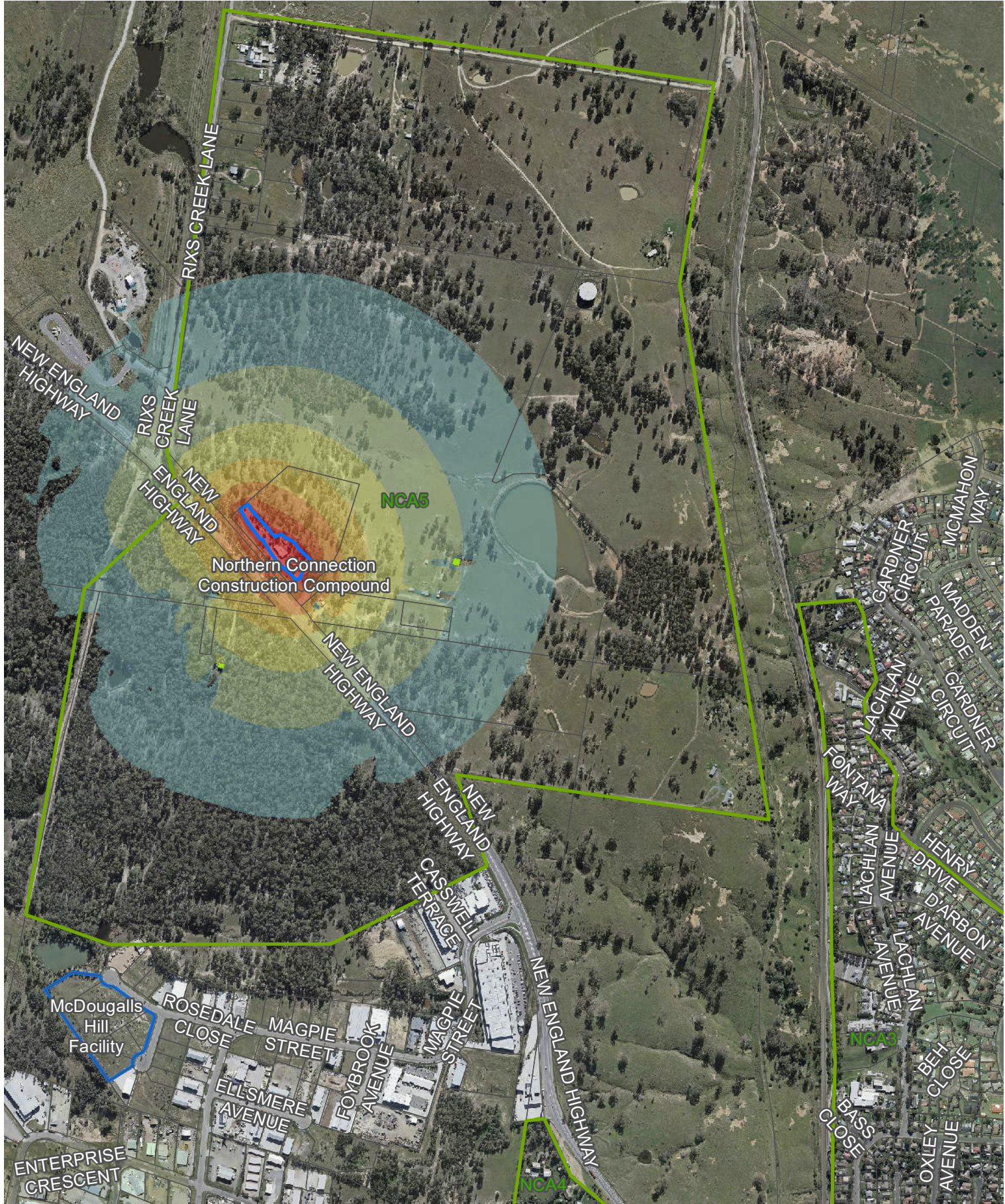
- Noise Catchment Area
- Compounds



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

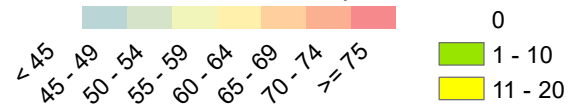
The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

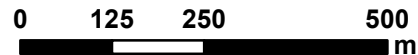
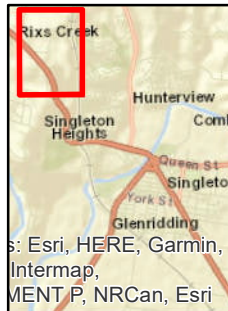


Singleton Bypass - Noise Contours
Northern Connection - Establishment of site - Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB



 Noise Catchment Area
 Compounds

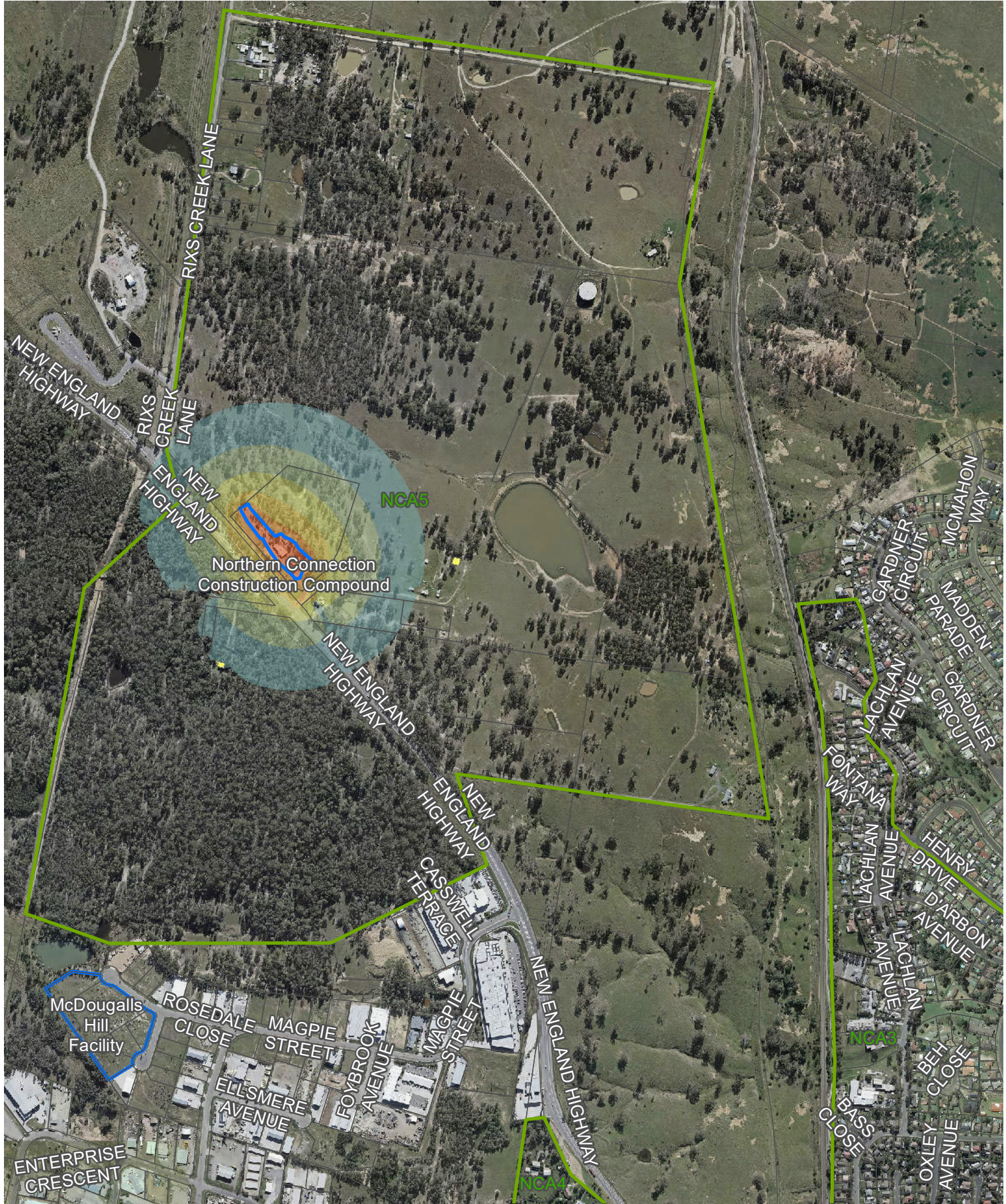


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

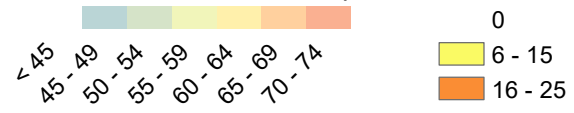
Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

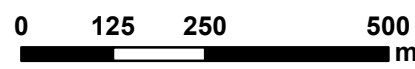


Singleton Bypass - Noise Contours
Northern Connection - Laydown, storage and delivery - Outside Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB



- Noise Catchment Area
- Compounds

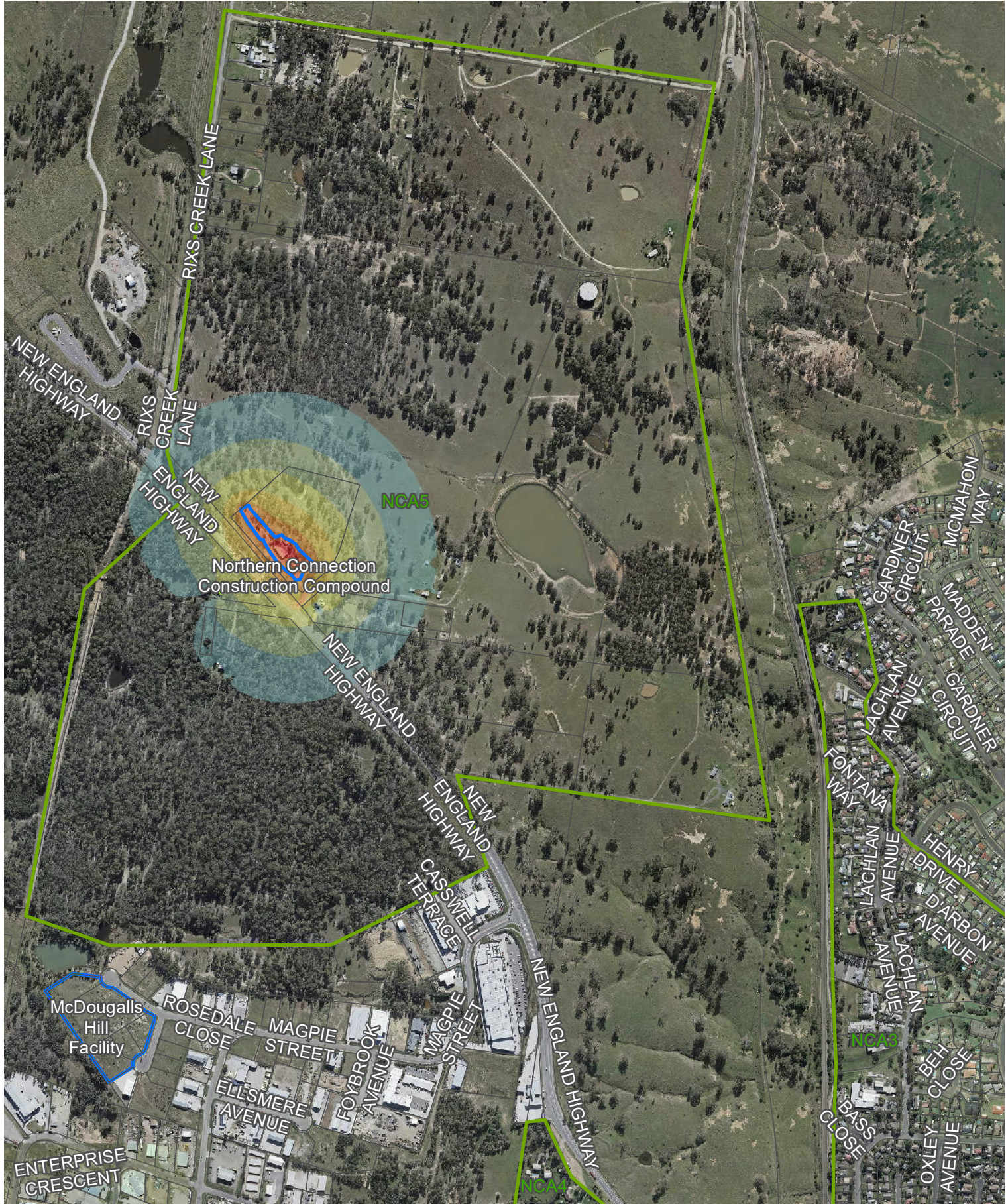


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

AECOM GIS Printout Date: 4/11/2019 P:\605\X\605683114_Tech Work Area\Acoustics\05_Map\Construction_Contours.mxd

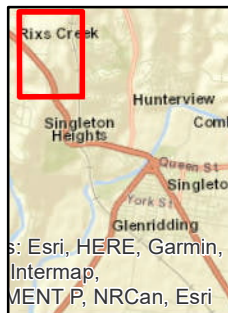


Singleton Bypass - Noise Contours
Northern Connection - Stockpiling - Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB



- Noise Catchment Area
- Compounds

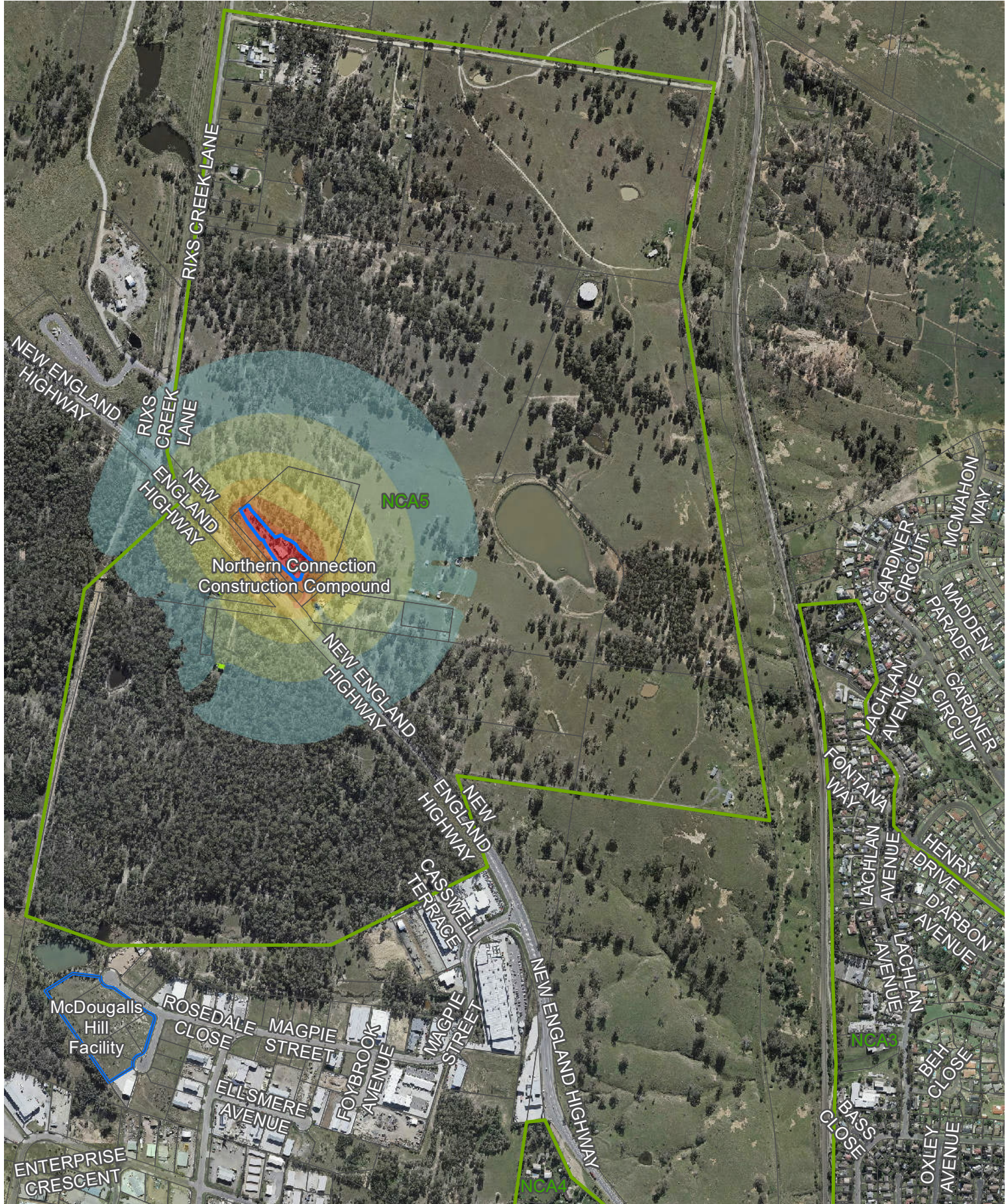


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

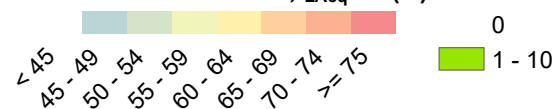
Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

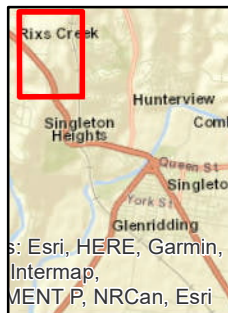


Singleton Bypass - Noise Contours
Northern Connection - Demobilisation - Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB



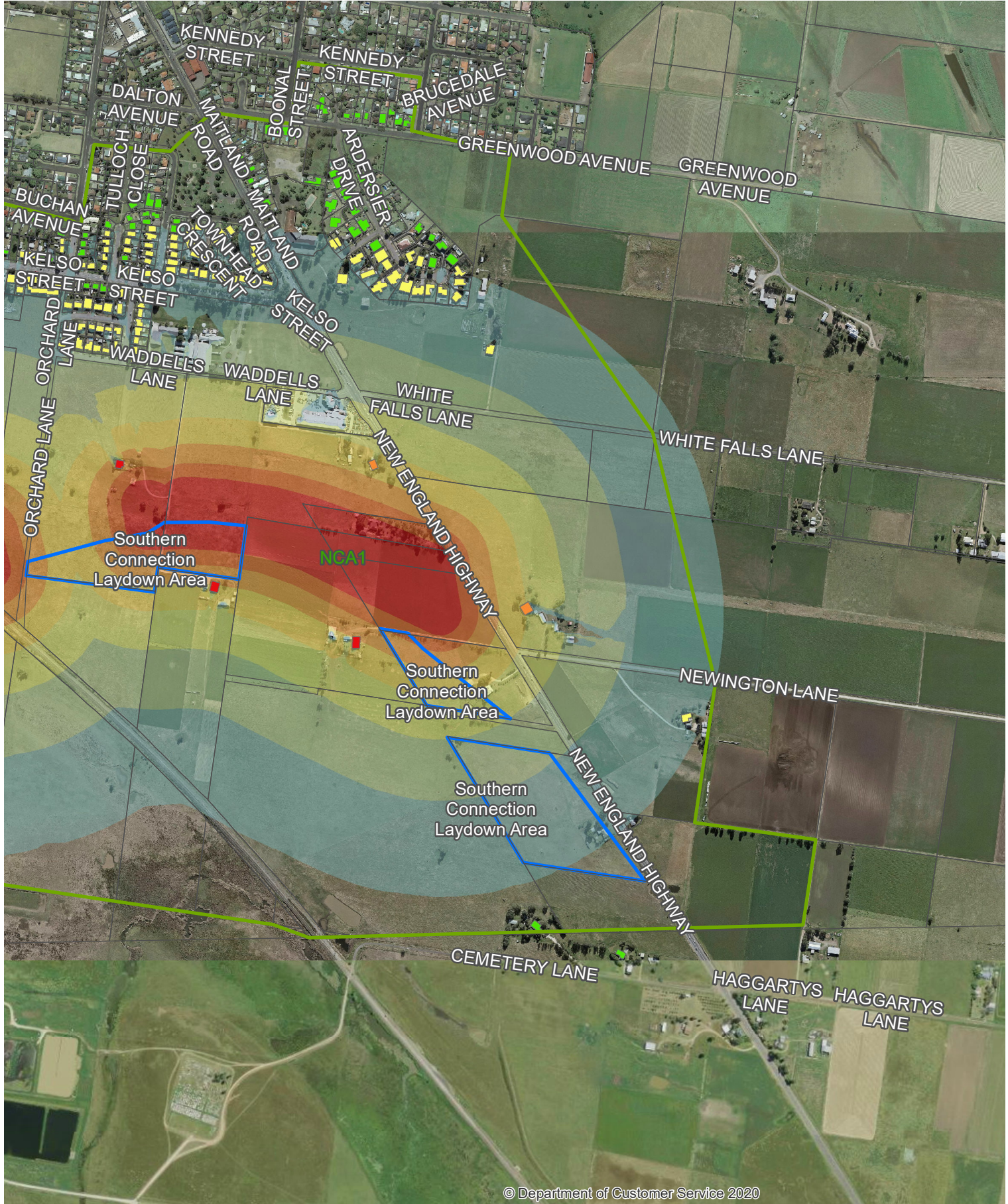
- Noise Catchment Area
- Compounds



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

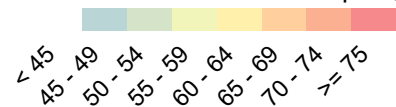
The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



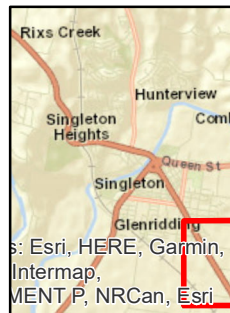
Singleton Bypass - Noise Contours
 Bridge construction - Outside Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB



- Noise Catchment Area
- Compounds

- 0
- 1 - 5
- 6 - 15
- 16 - 25
- > 25

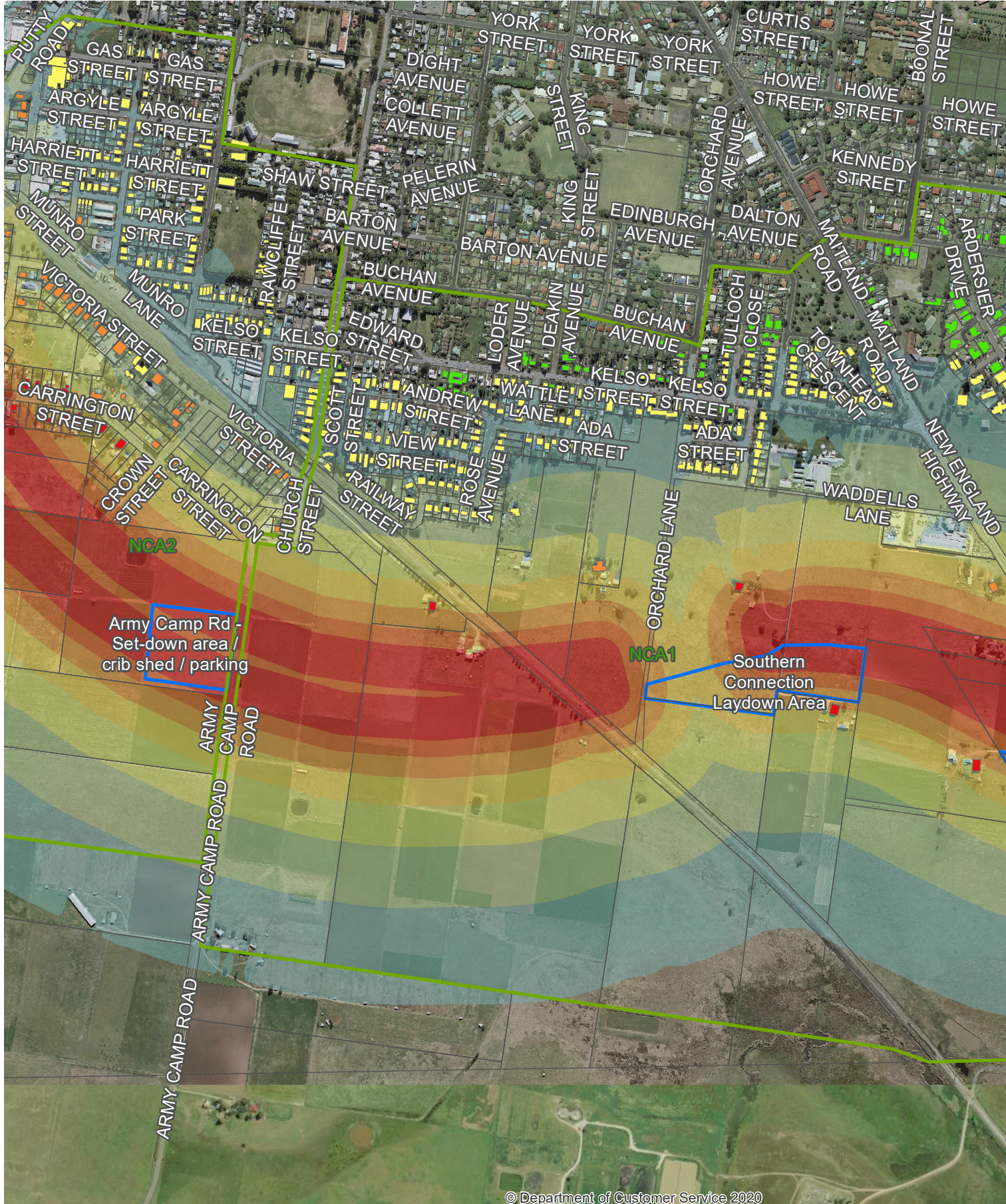


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
 © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

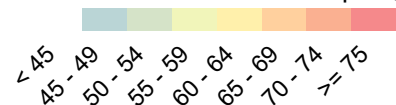
Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).
 AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

© Department of Customer Service 2020

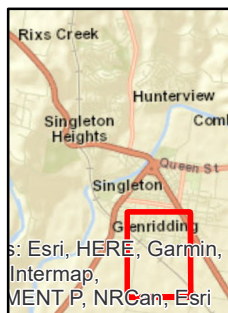


Singleton Bypass - Noise Contours
 Bridge construction - Outside Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB



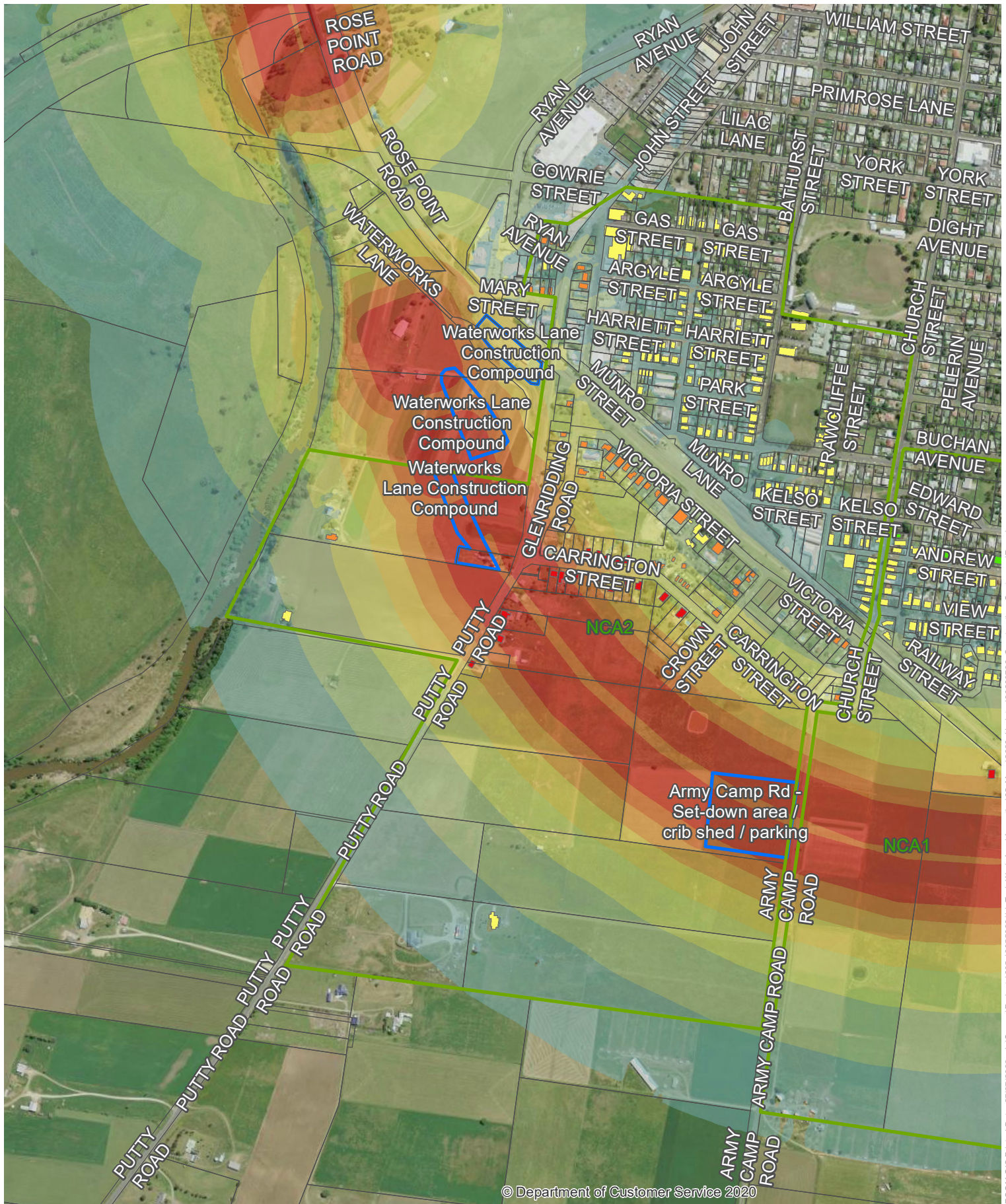
 Noise Catchment Area
 Compounds



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
 © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

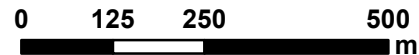
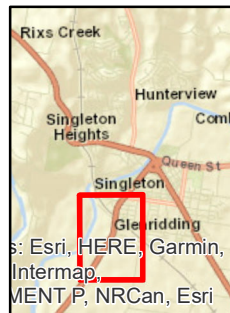
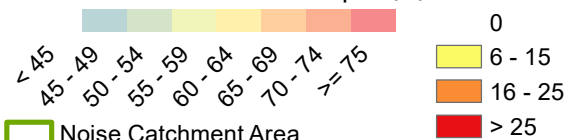
The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).
 AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Singleton Bypass - Noise Contours
 Bridge construction - Outside Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB

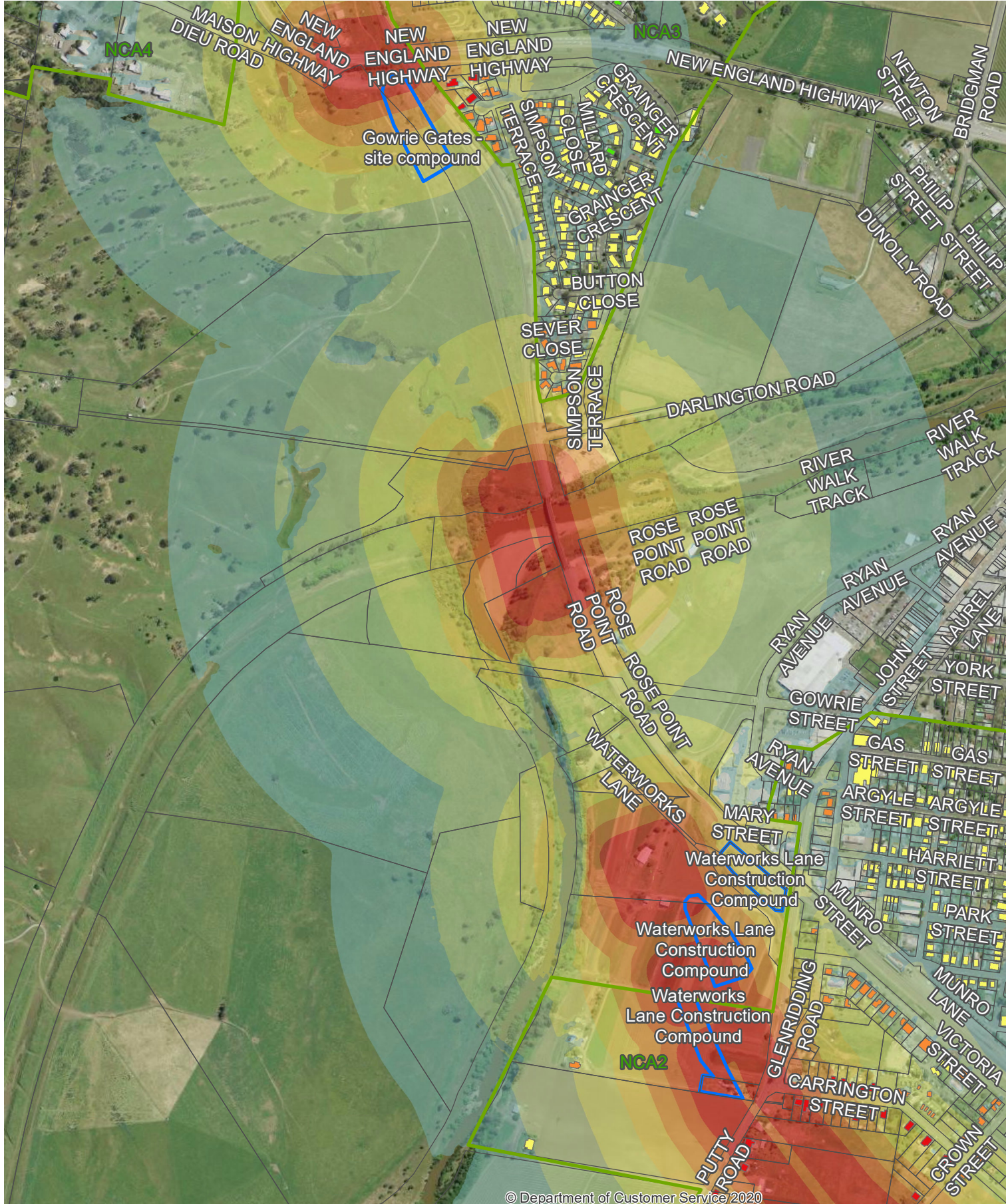


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
 © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

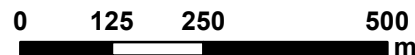
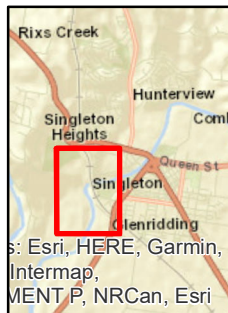
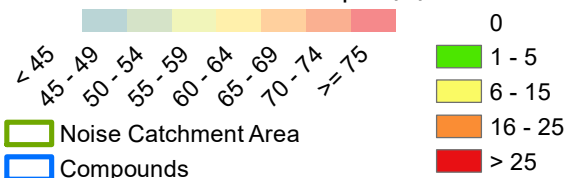
Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Singleton Bypass - Noise Contours
 Bridge construction - Outside Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB



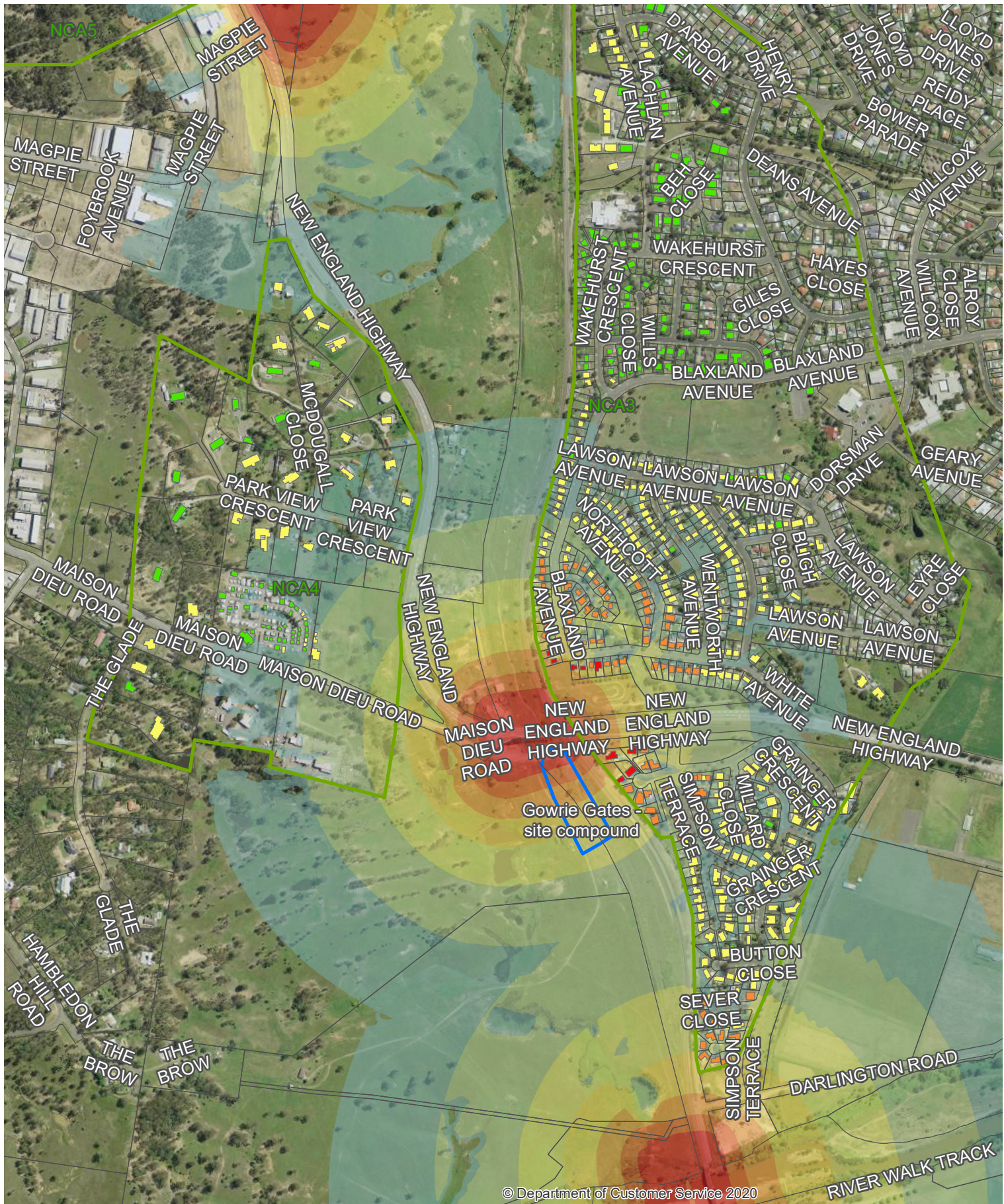
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

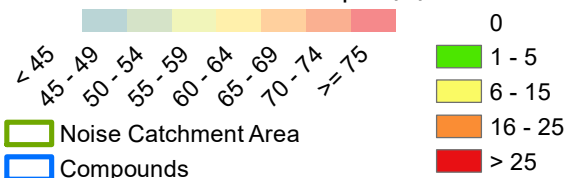
AECOM GIS Printed Date: 27/07/2023 L:\Secure\Projects\605x6055893114_Tech Work Area\Acoustics\05_Maps\2023_Updates\20230726_Construction_Contours_JR.mxd

© Department of Customer Service 2020



Singleton Bypass - Noise Contours
 Bridge construction - Outside Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB

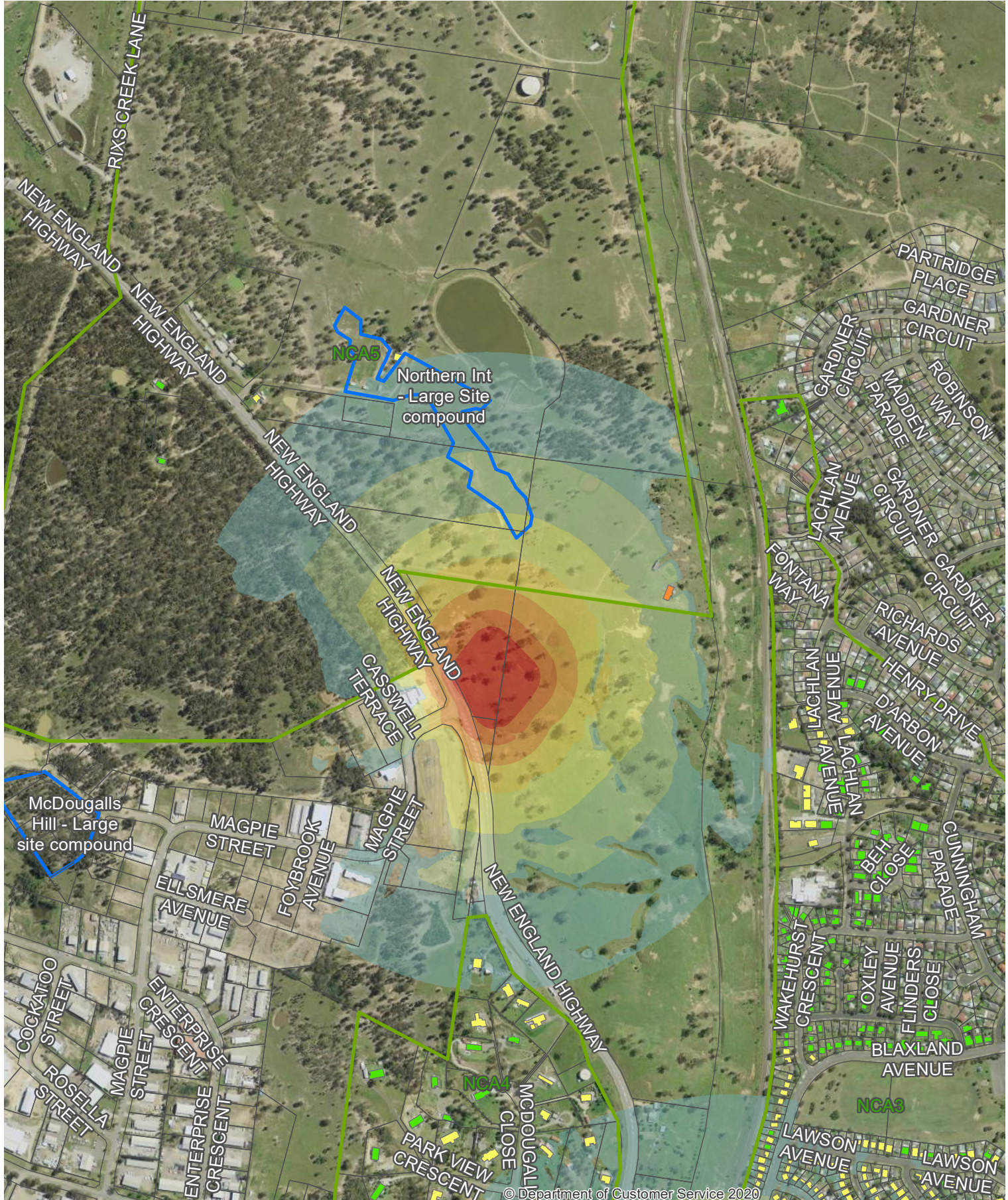


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

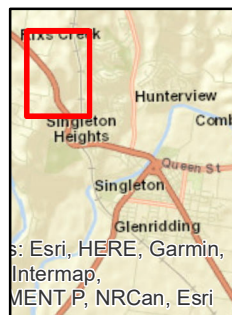
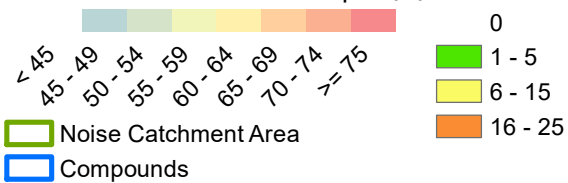
Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Singleton Bypass - Noise Contours
 Bridge construction - Outside Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB

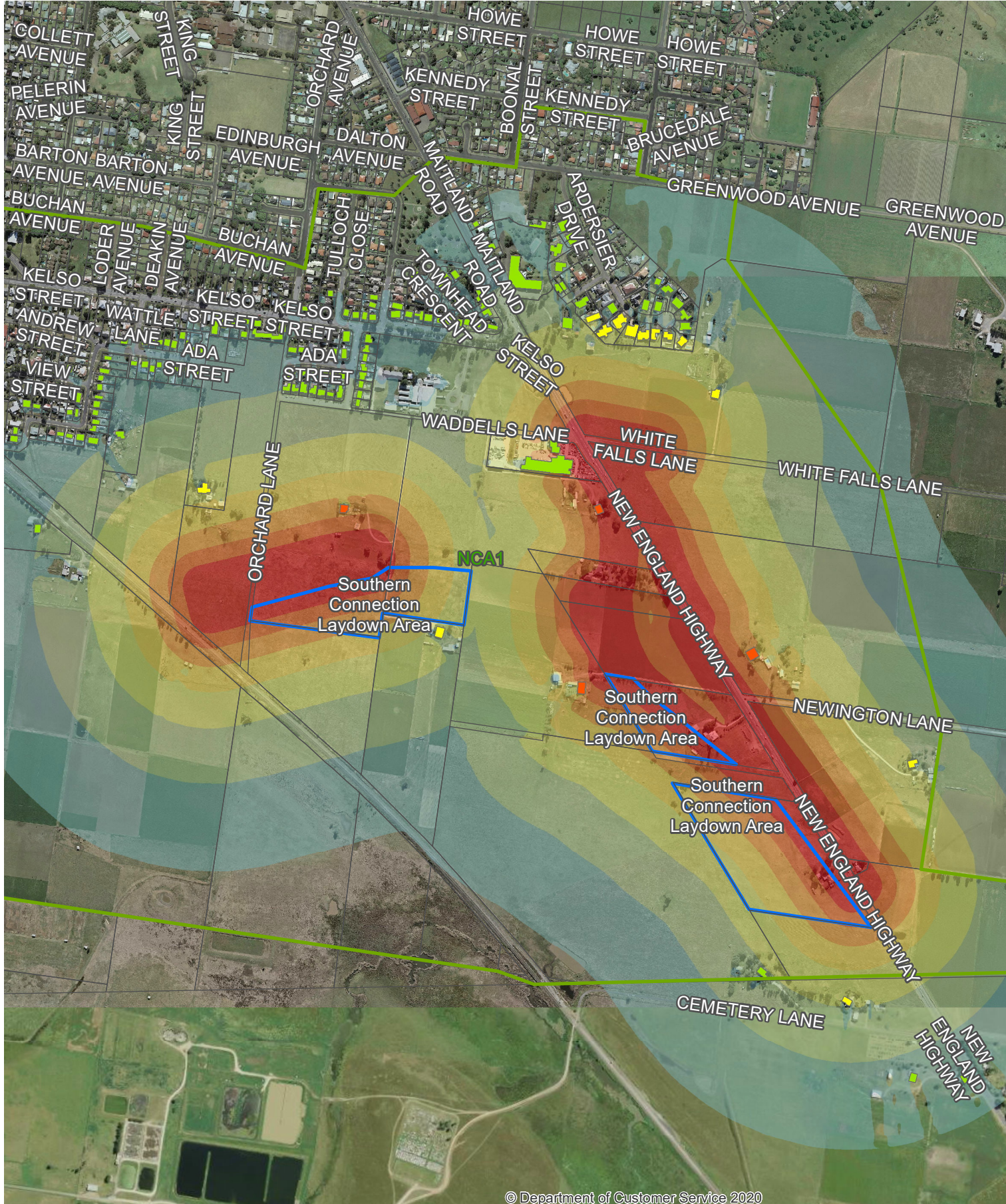


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

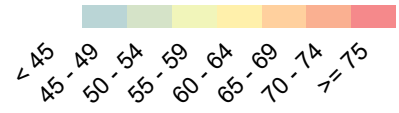
Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

AECOM GIS Printed Date: 27/07/2023 L:\Secure\Projects\605x605\5893114_Tech Work Area\Acoustics\05_Maps\2023_Updates\20230726_Construction_Contours_JR.mxd

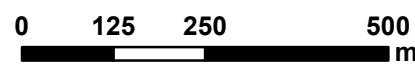
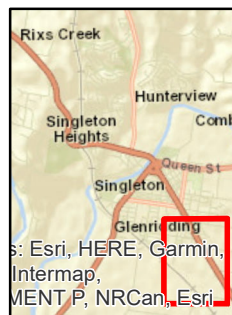


Singleton Bypass - Noise Contours
Earthworks - Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB



Noise Catchment Area
 Compounds



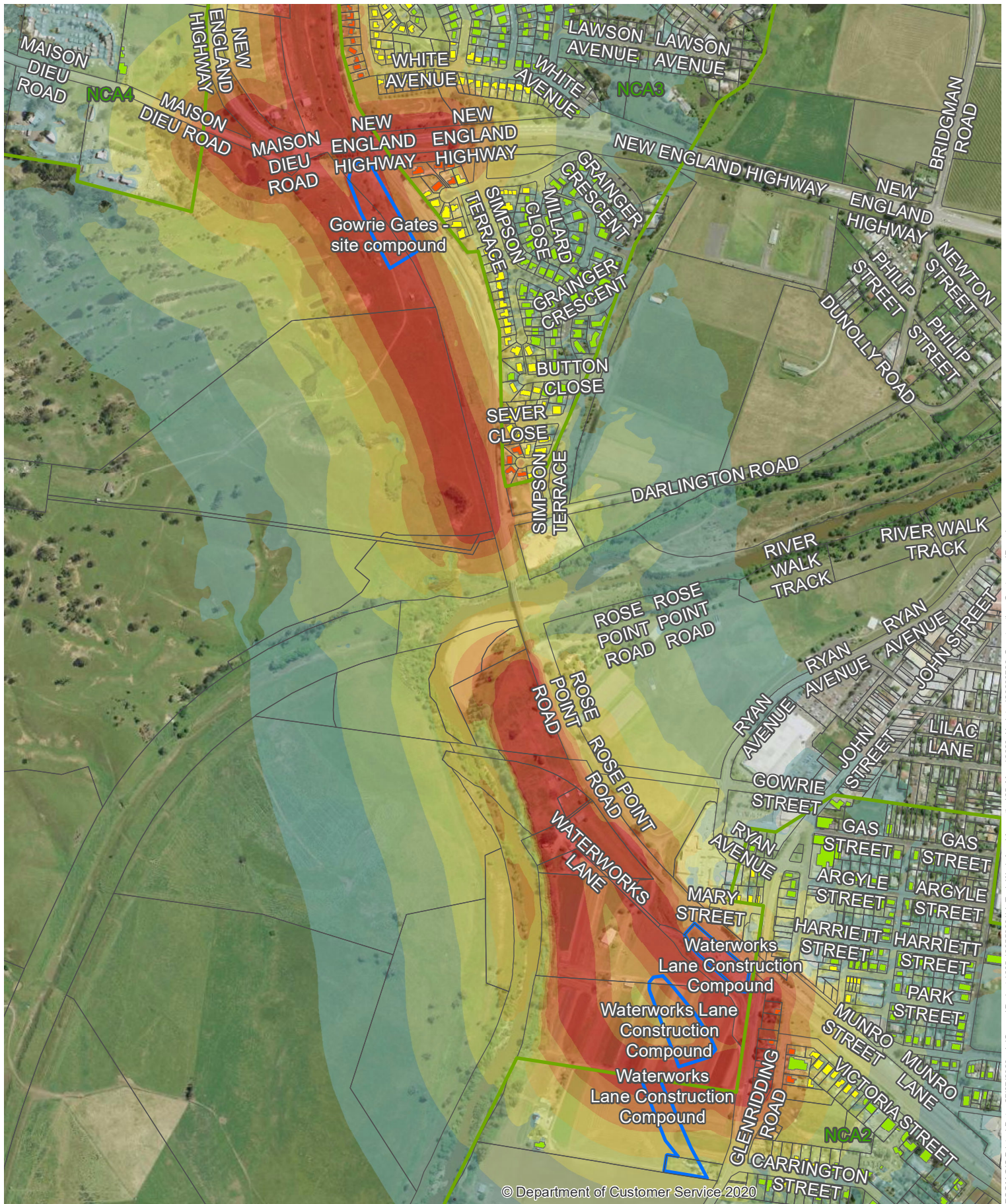
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

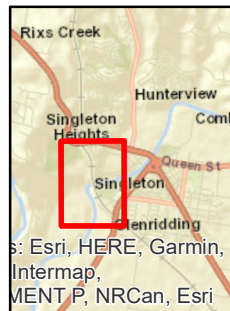
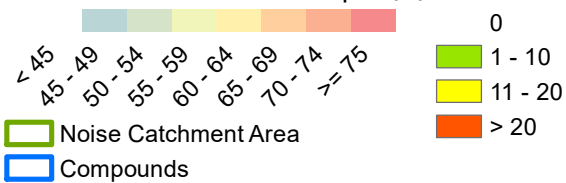
AECOM GIS Printed Date: 14/09/2023 L:\Secure\Projects\605x605\5893114_Tech Work Area\Acoustics\05_Maps\2023_Updates\20230914_Construction_Contours_JR.mxd

© Department of Customer Service 2020



Singleton Bypass - Noise Contours
Earthworks - Standard Hours

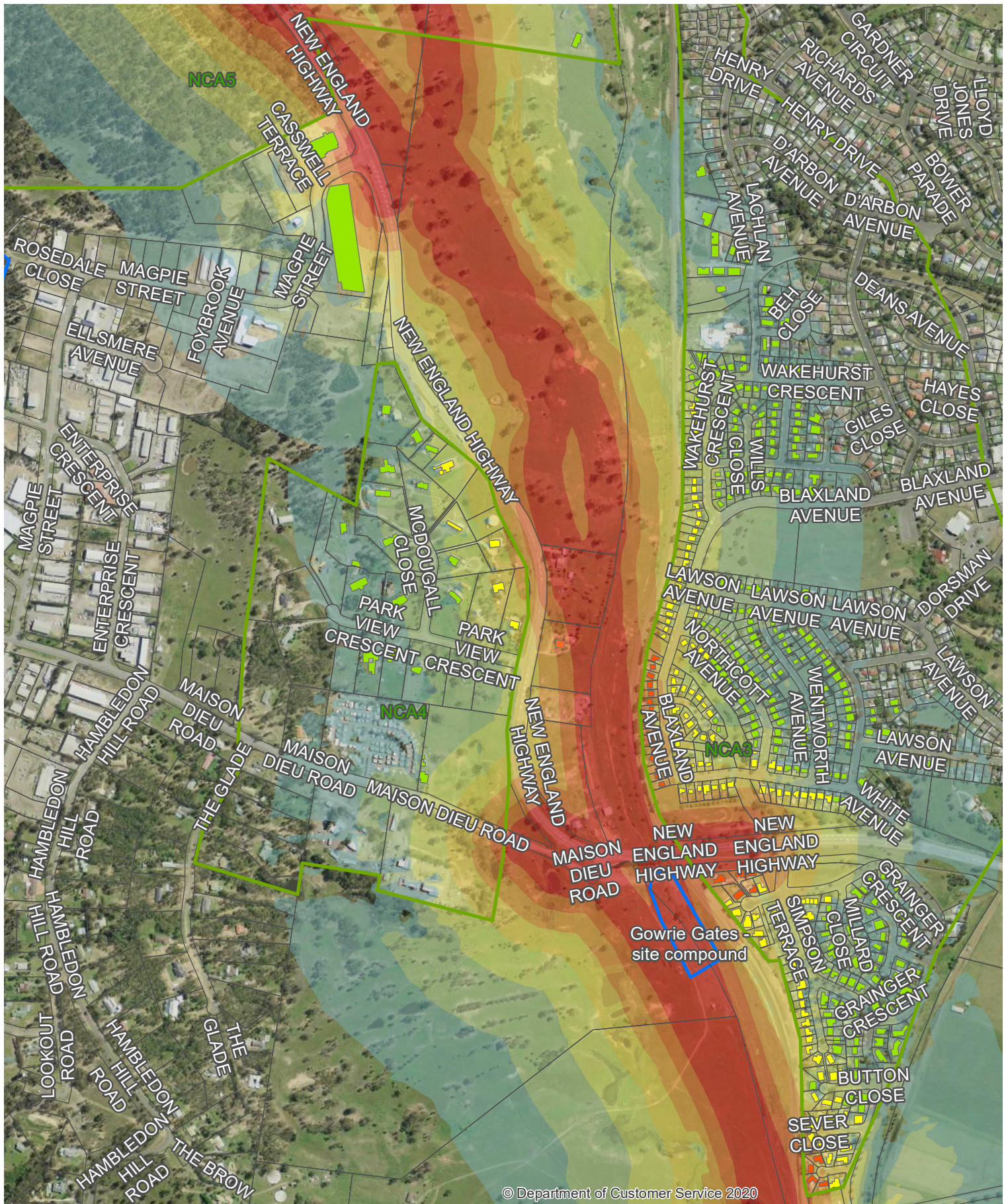
Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
© Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).
AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

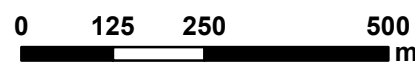


Singleton Bypass - Noise Contours
Earthworks - Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB



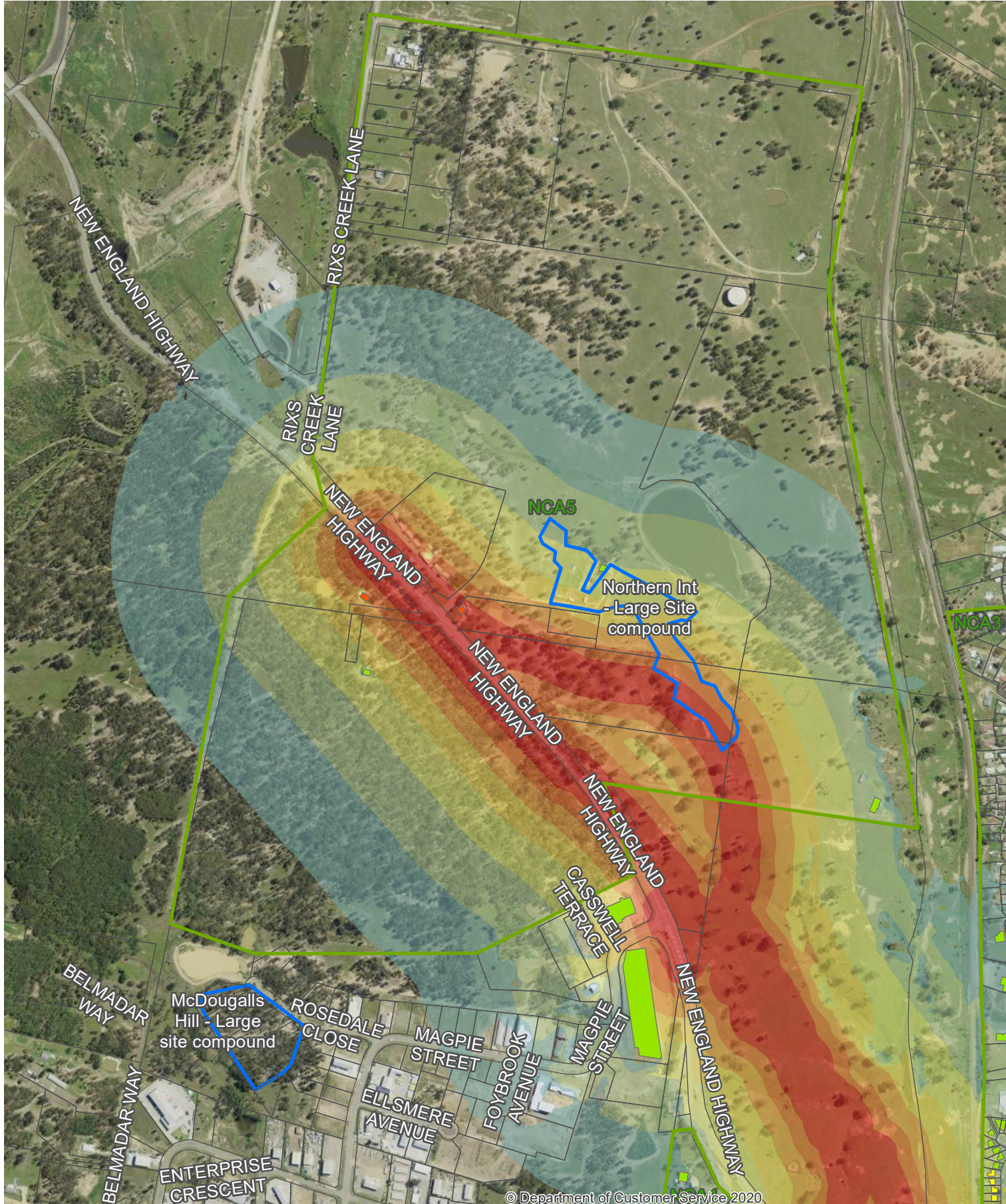
- Noise Catchment Area
- Compounds



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
 © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).
 The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)
 Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).
 AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

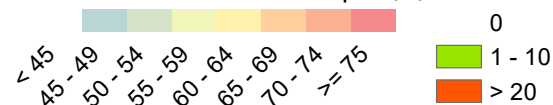
AECOM GIS Printed Date: 27/07/2023 L:\Secure\Projects\605x605\589314_Tech Work Area\Acoustics\05_Maps\2023_Updates\20230726_Construction_Contours_JR.mxd

© Department of Customer Service 2020

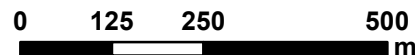
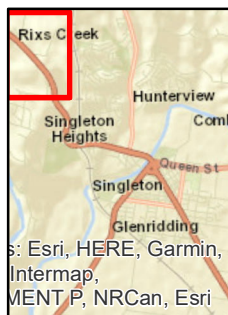


Singleton Bypass - Noise Contours
Earthworks - Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB

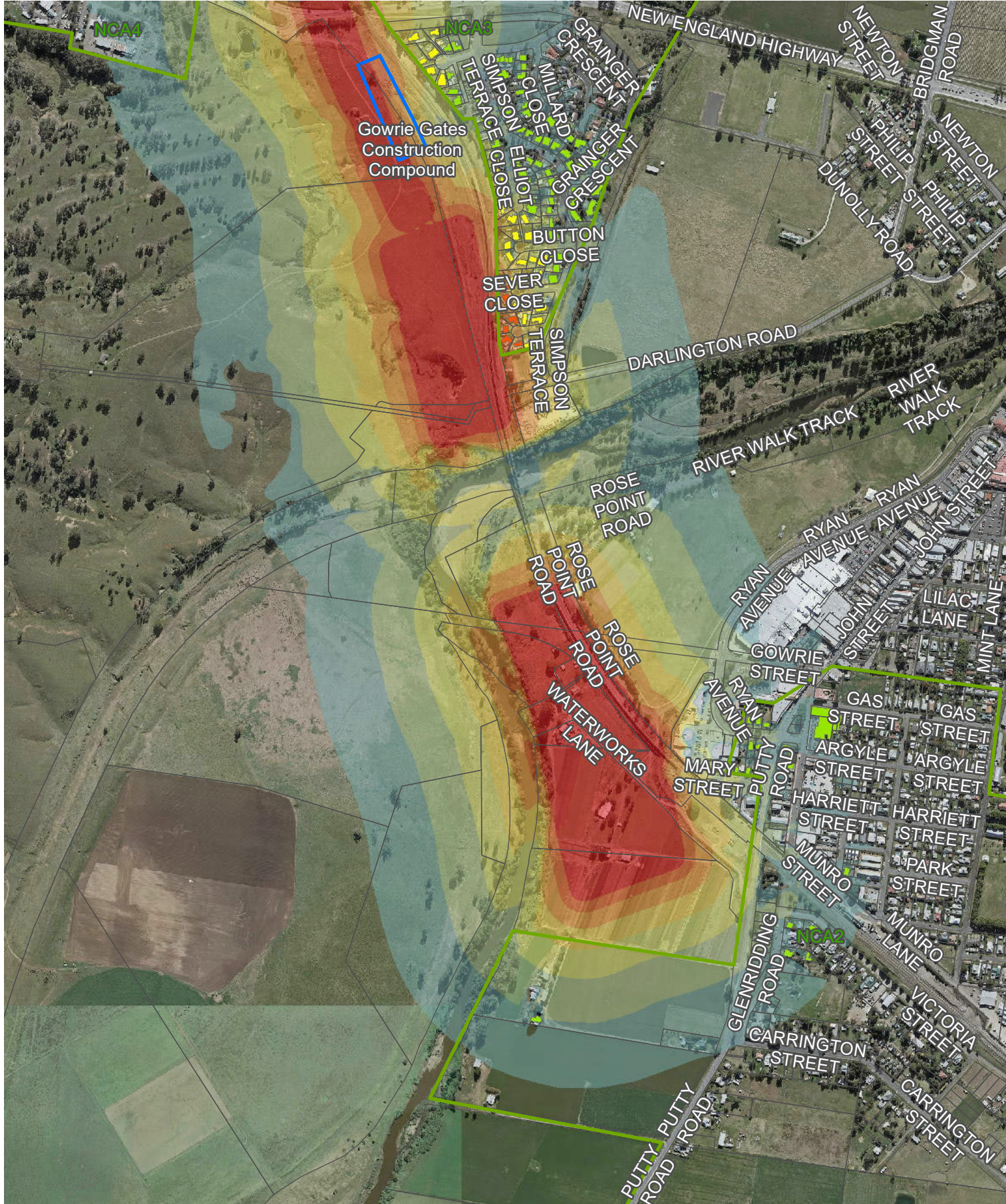


- Noise Catchment Area
- Compounds



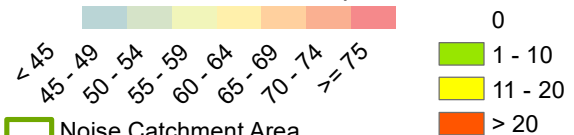
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence). Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

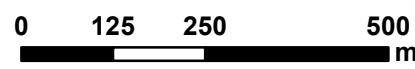
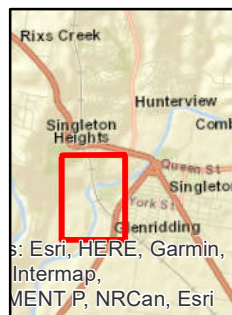


Singleton Bypass - Noise Contours
Drainage - Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB



Noise Catchment Area
 Compounds



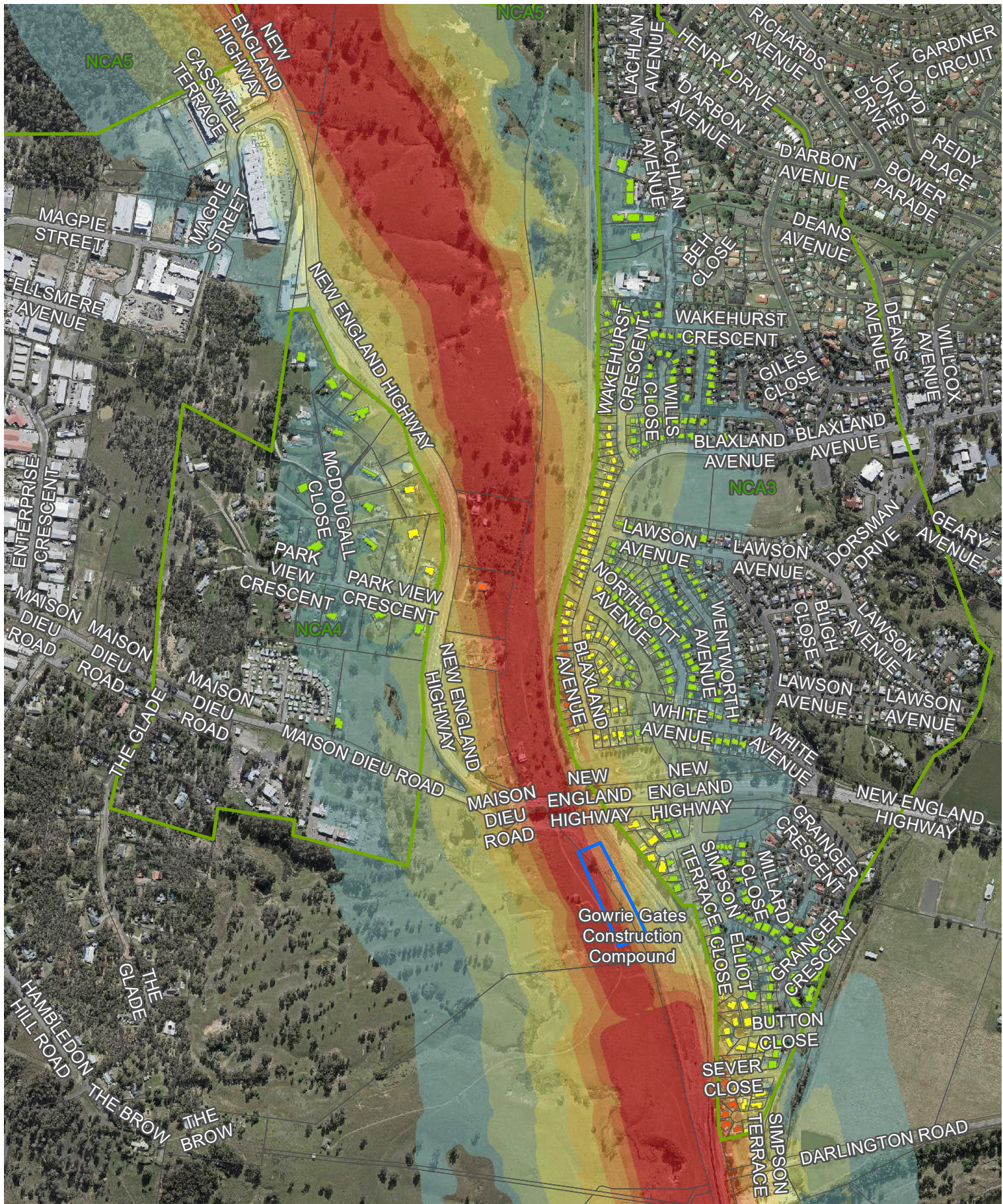
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).

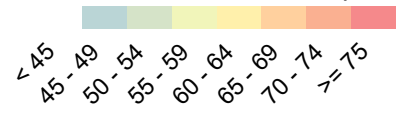
AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

AECOM GIS Printout Date: 4/11/2019 P:\605\X\6056893114_Tech Work Area\Acoustics\05_Map\Construction_Contours.mxd



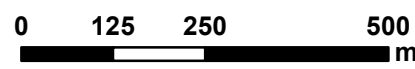
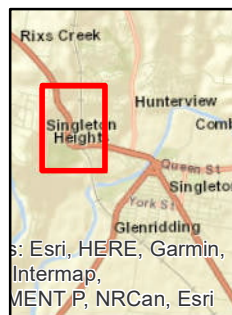
Singleton Bypass - Noise Contours
Drainage - Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB



Noise Catchment Area
 Compounds

0
 1 - 10
 11 - 20
 > 20



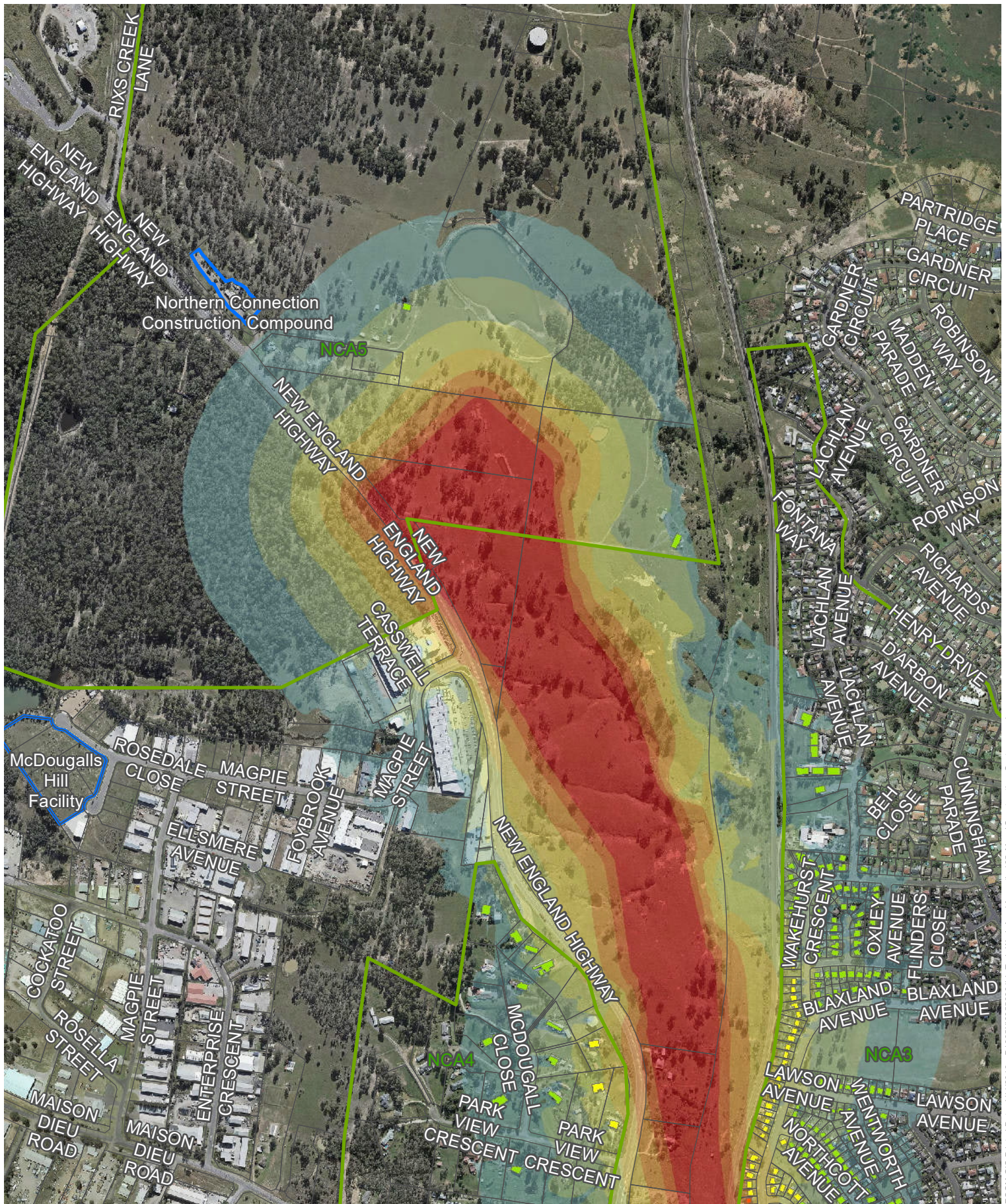
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

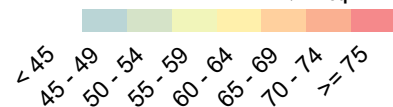
AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

AECOM GIS Printed Date: 4/11/2019 P:\G05\X\B05689314_Tech Work Area\Acoustics\05_Map\Construction_Countours.mxd

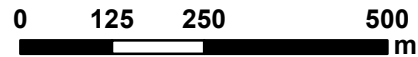
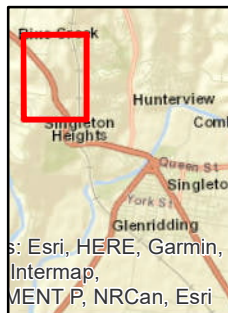
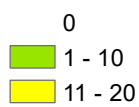


Singleton Bypass - Noise Contours
Drainage - Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB



- Noise Catchment Area
- Compounds

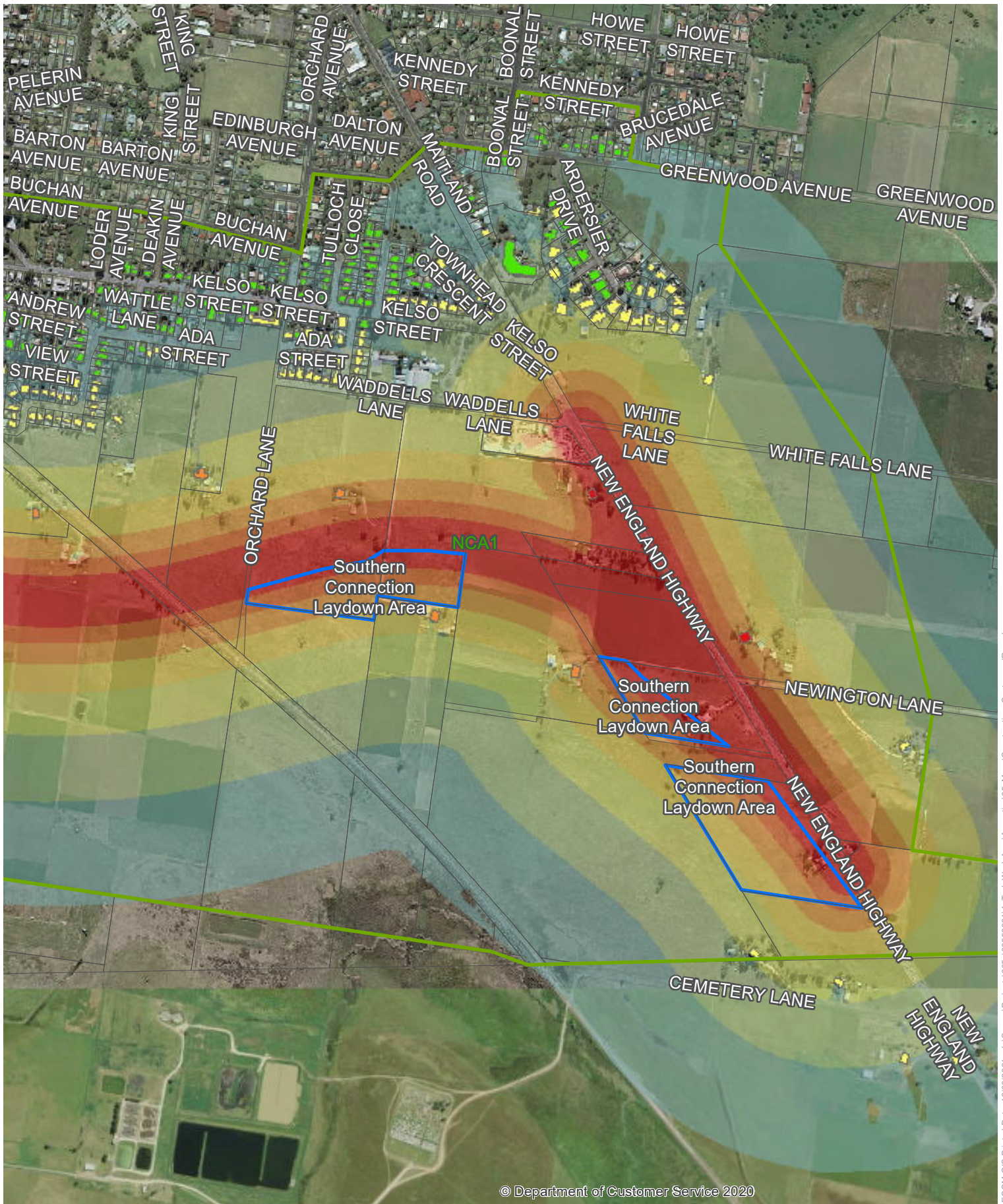


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license
© Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

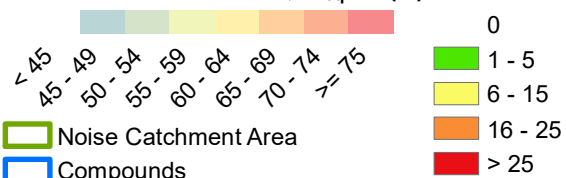
Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

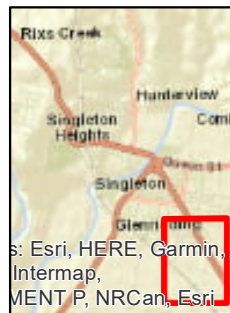


Singleton Bypass - Noise Contours
Pavement Works - Outside Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB



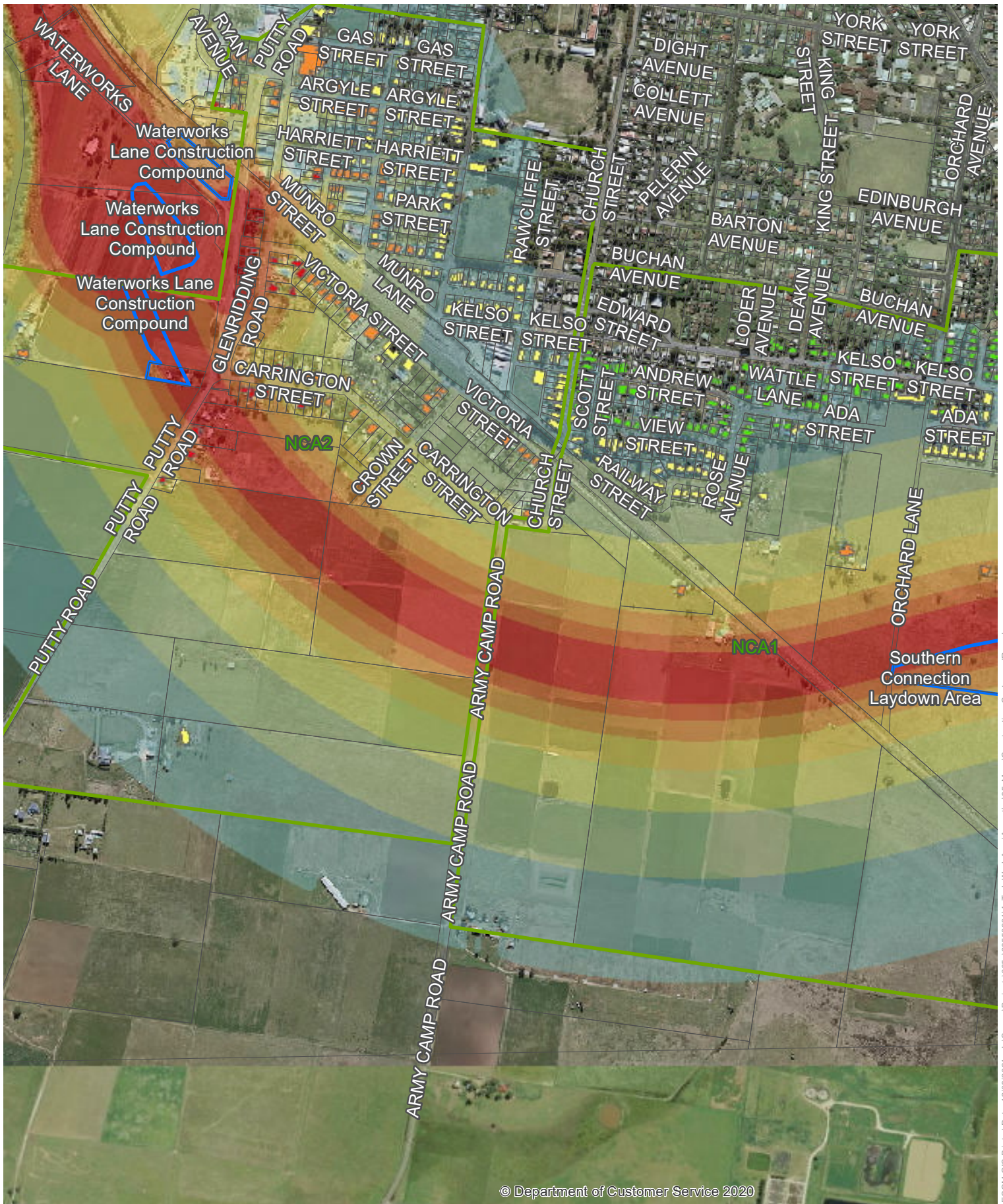
© Department of Customer Service 2020



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

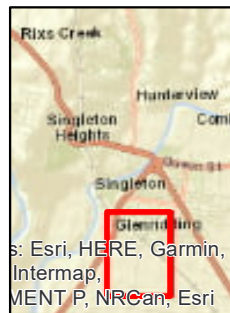
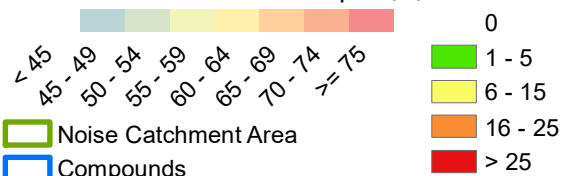
The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Singleton Bypass - Noise Contours
Pavement Works - Outside Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB

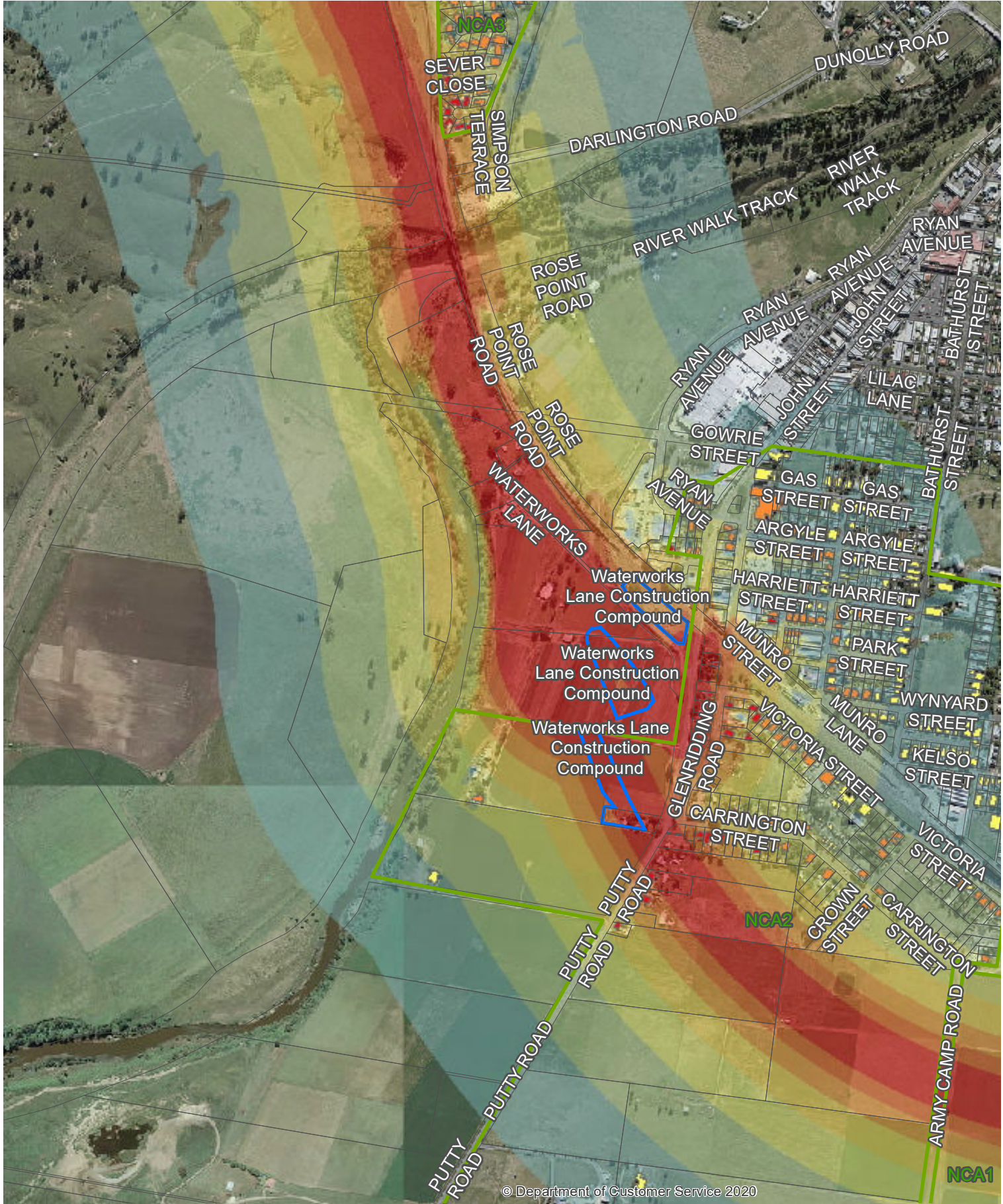


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

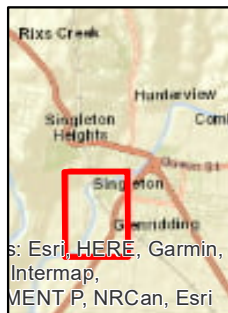
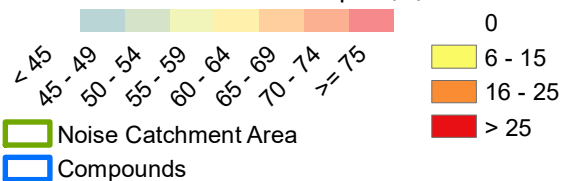
Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

© Department of Customer Service 2020



Singleton Bypass - Noise Contours
Pavement Works - Outside Standard Hours

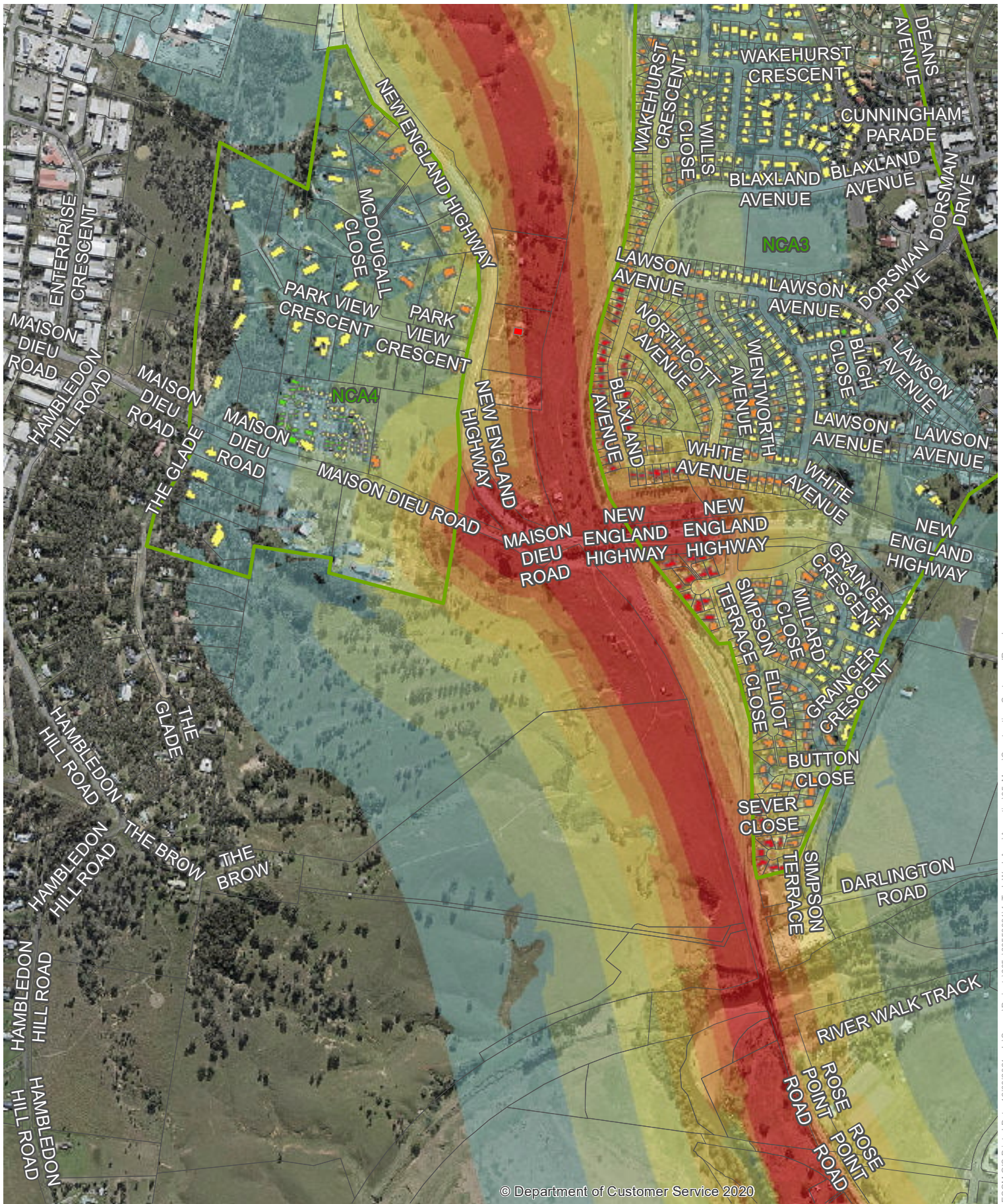
Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

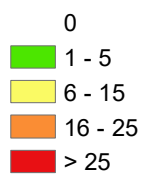


Singleton Bypass - Noise Contours
Pavement Works - Outside Standard Hours

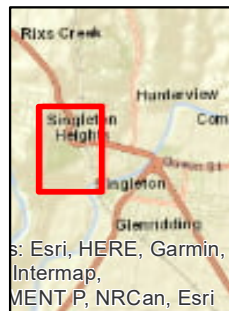
Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB



 Noise Catchment Area



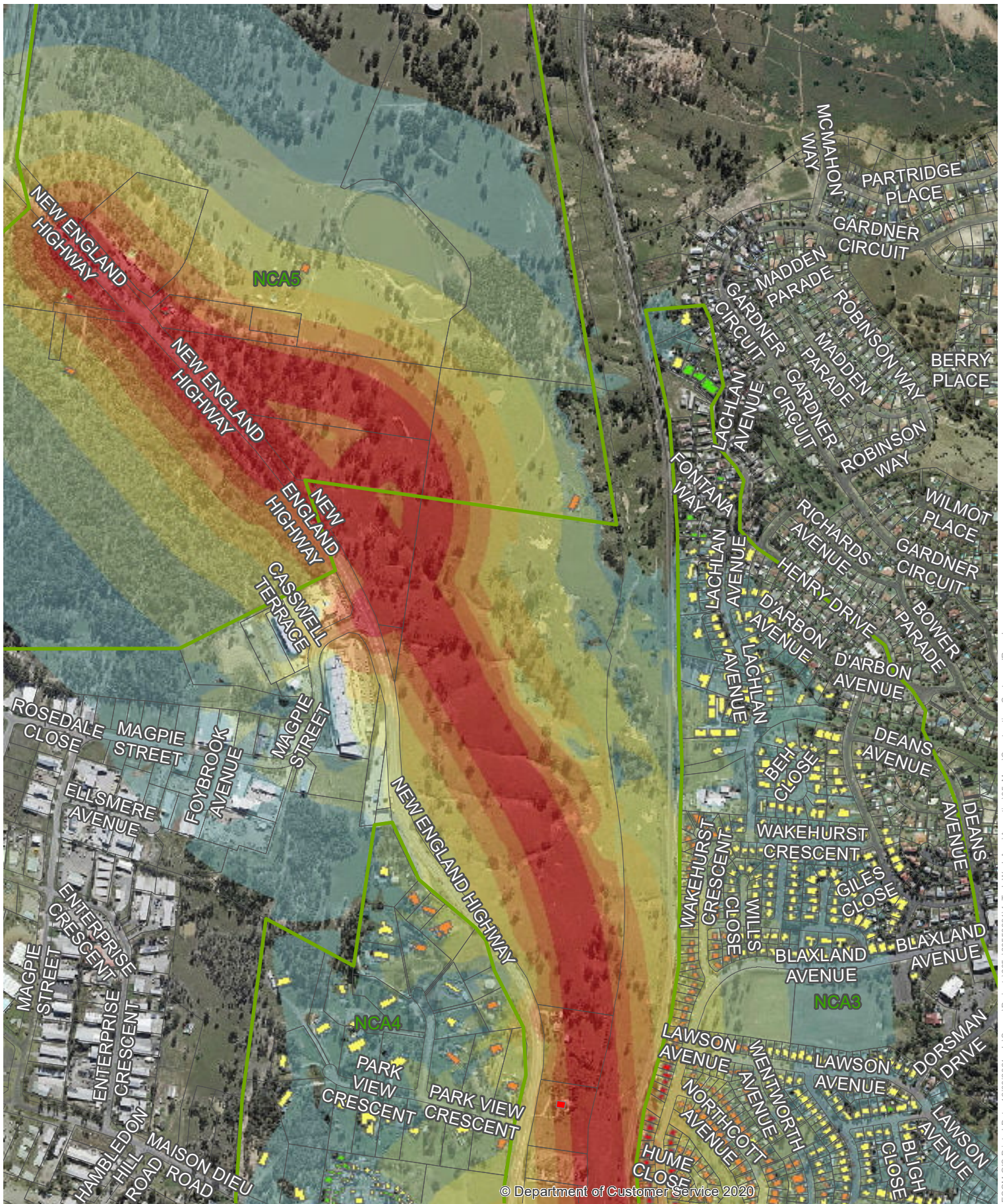
© Department of Customer Service 2020



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

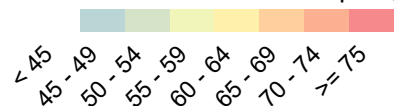
The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

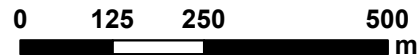
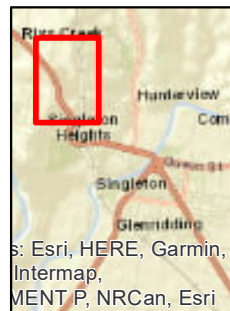
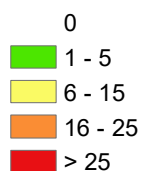


Singleton Bypass - Noise Contours
Pavement Works - Outside Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB



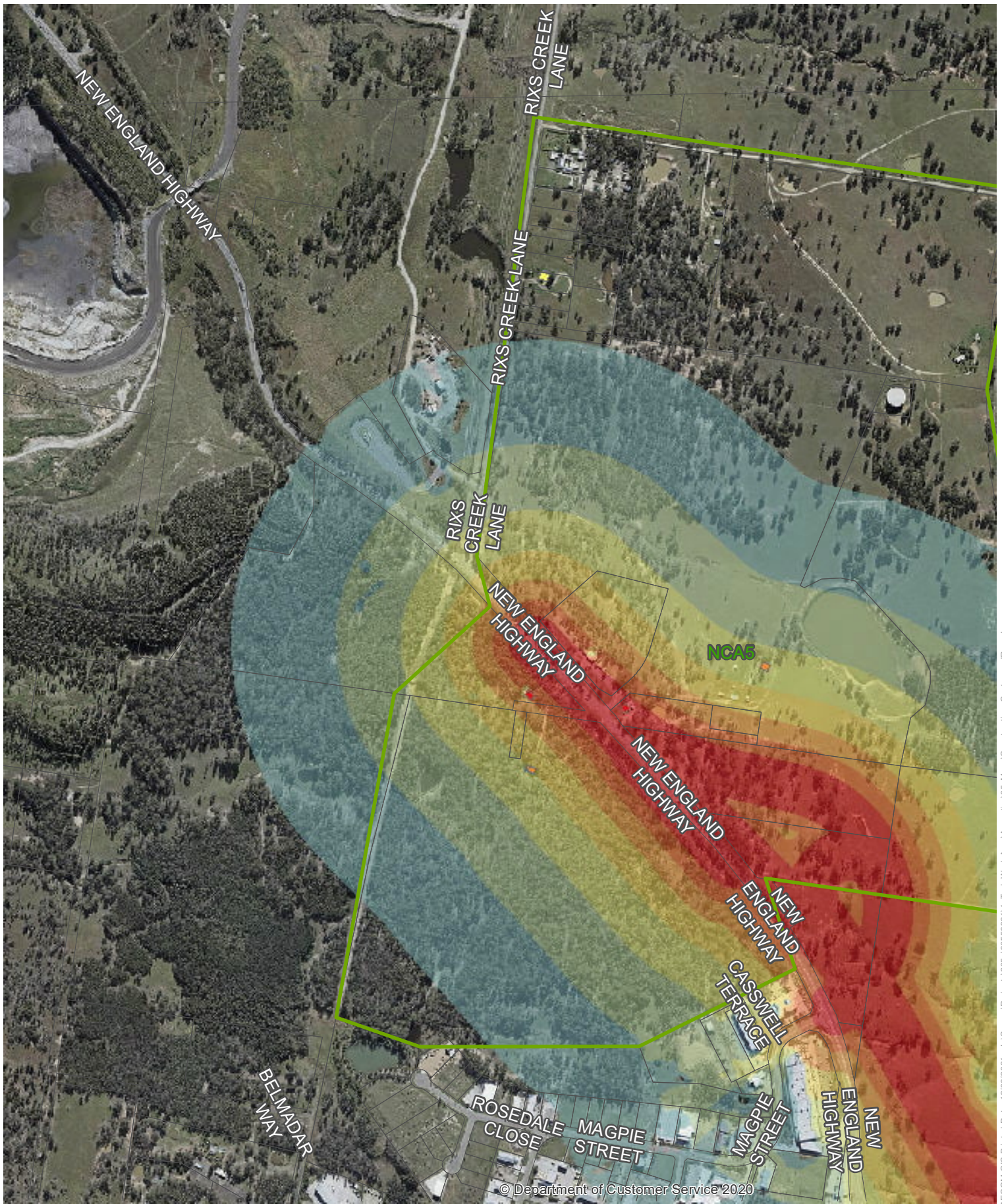
Noise Catchment Area



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

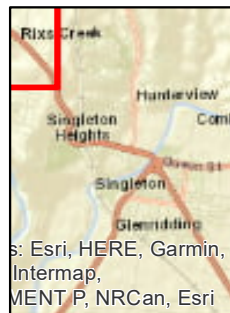
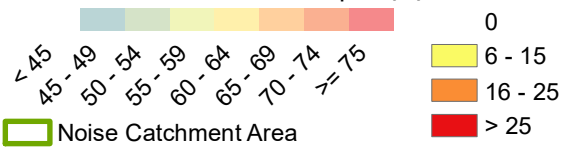
The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



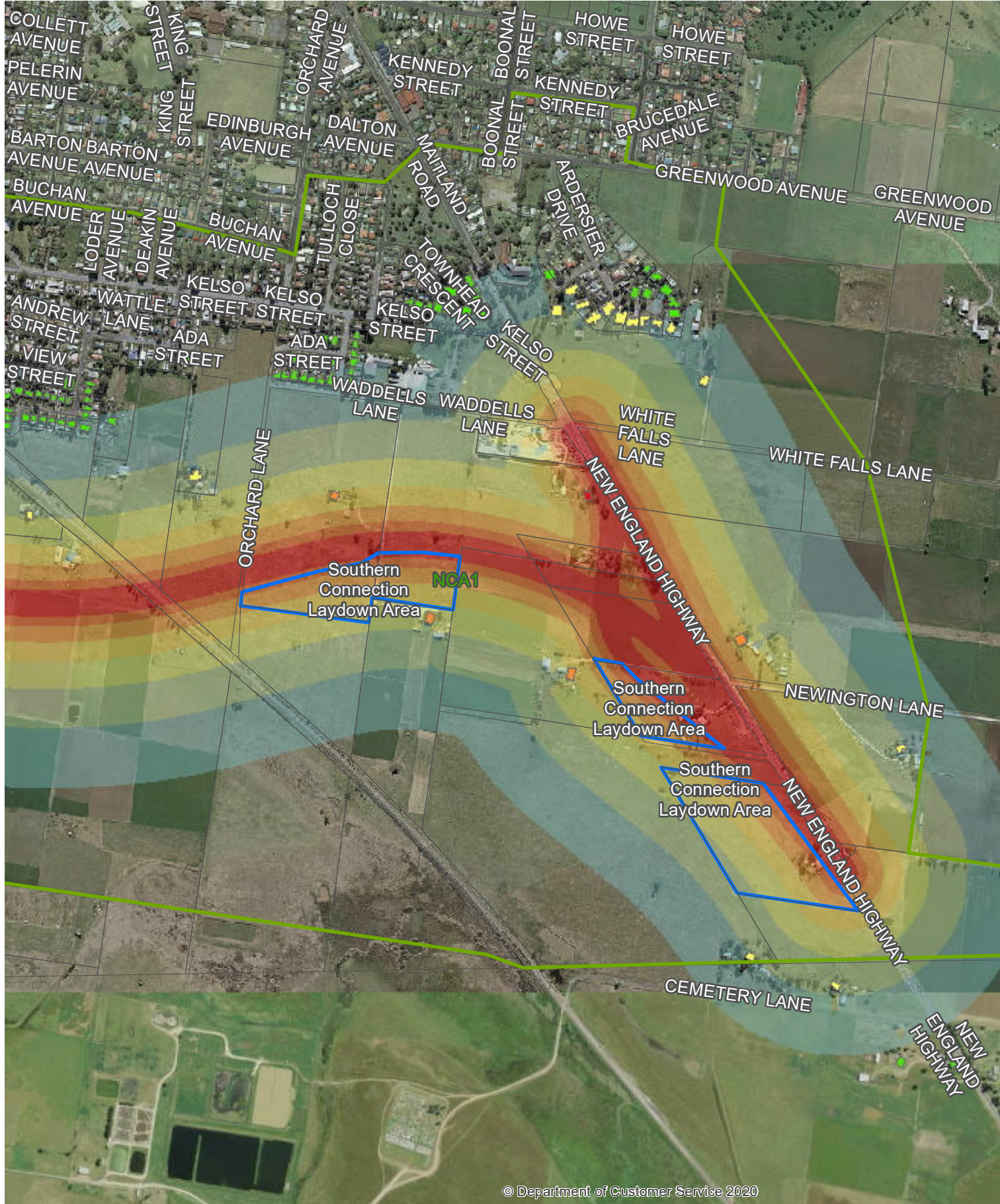
Singleton Bypass - Noise Contours
Pavement Works - Outside Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Exceedance of NML, dB

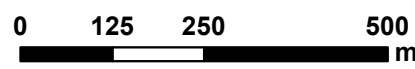
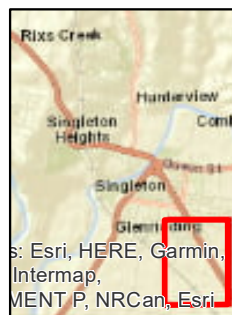
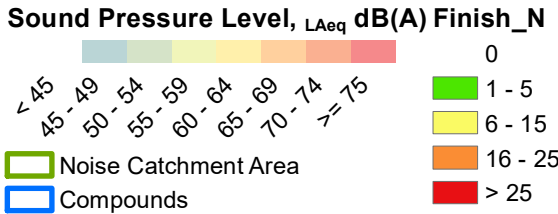


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
© Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)
Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).
AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Singleton Bypass - Noise Contours
Finishing Works - Outside Standard Hours



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

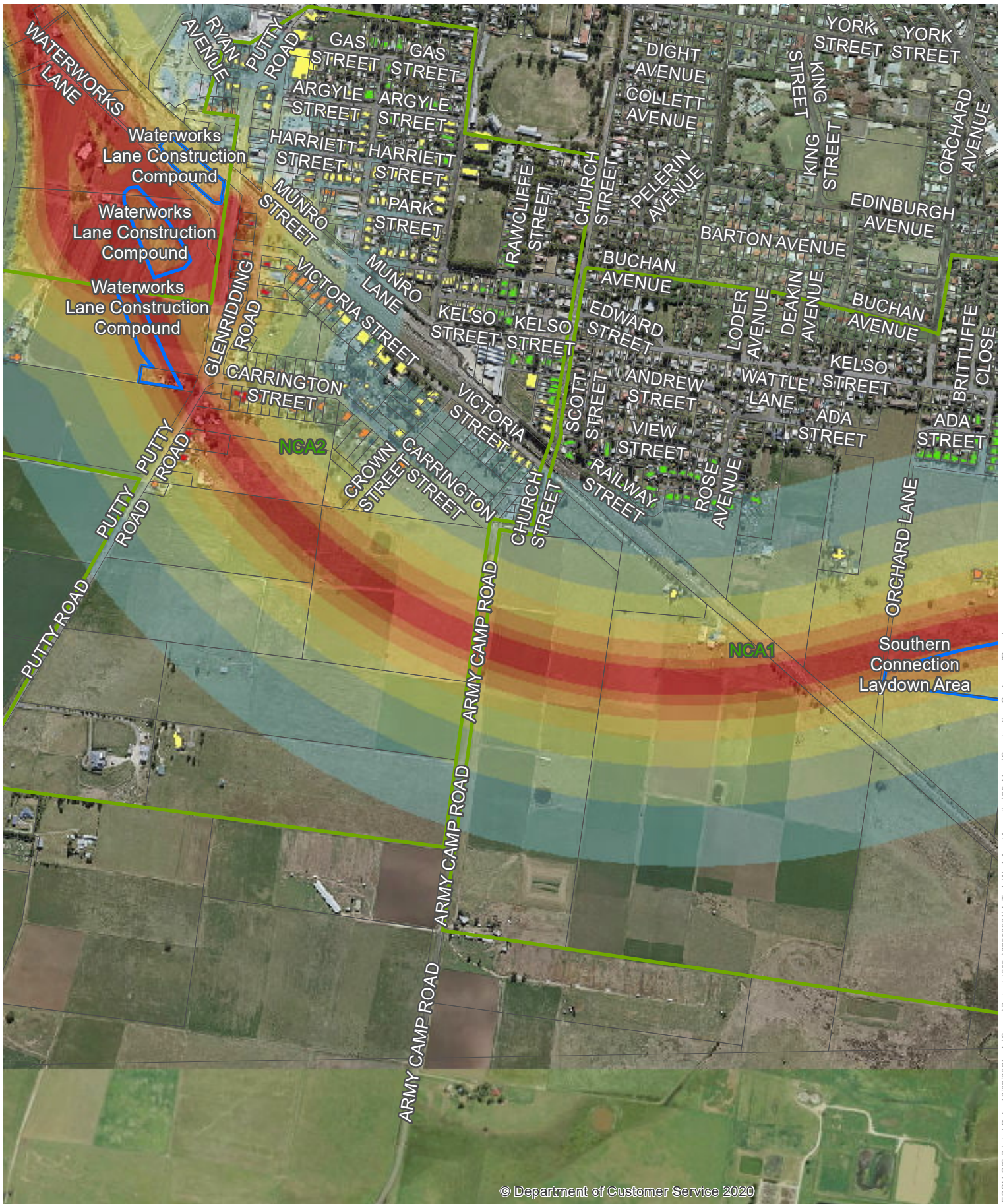
The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).

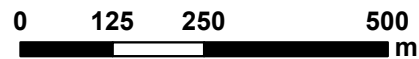
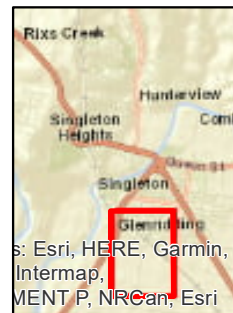
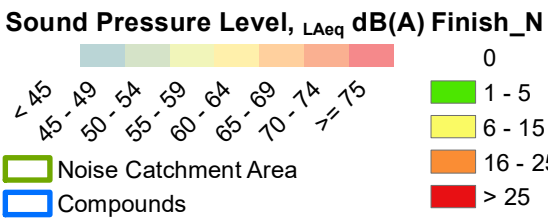
AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

AECOM GIS Printed Date: 12/08/2021 L:\Secure\Projects\605x605\5893114_Tech Work Area\Acoustics\05_Maps\Construction_Contours_JR.mxd

© Department of Customer Service 2020



Singleton Bypass - Noise Contours
Finishing Works - Outside Standard Hours



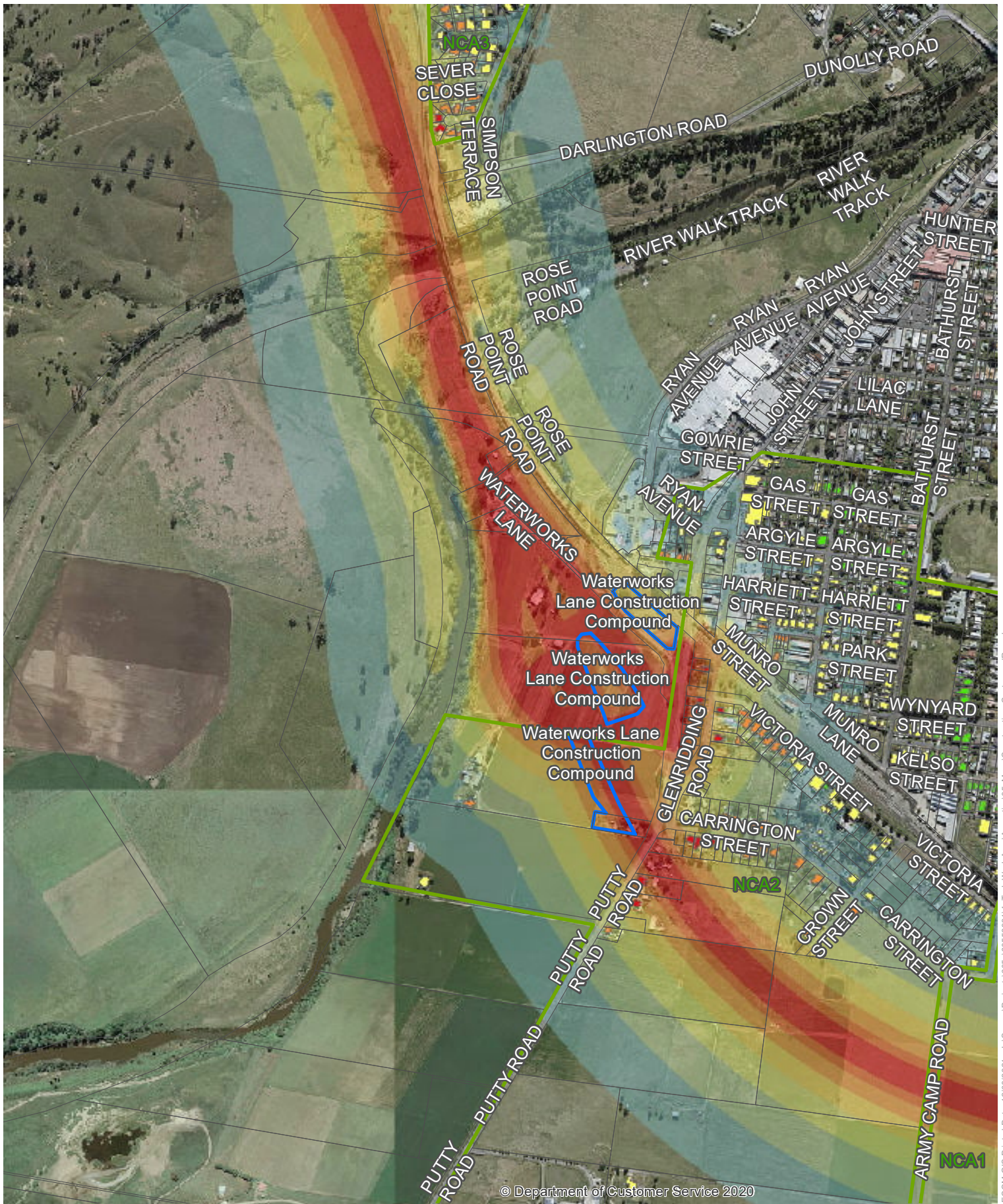
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
 © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).
 AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

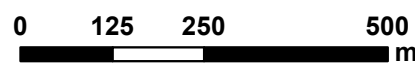
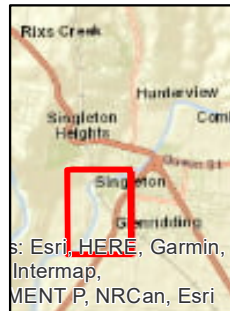
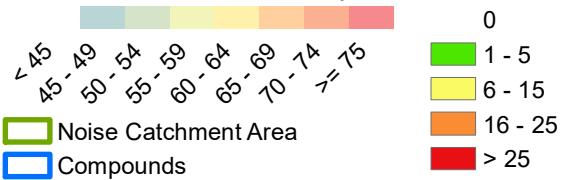
© Department of Customer Service 2020

AECOM GIS Printed: Date: 12/08/2021 L:\Secure\Projects\605x605\5893114_Tech Work Area\Acoustics\05_Maps\Construction_Contours_JR.mxd



Singleton Bypass - Noise Contours
Finishing Works - Outside Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Finish_N



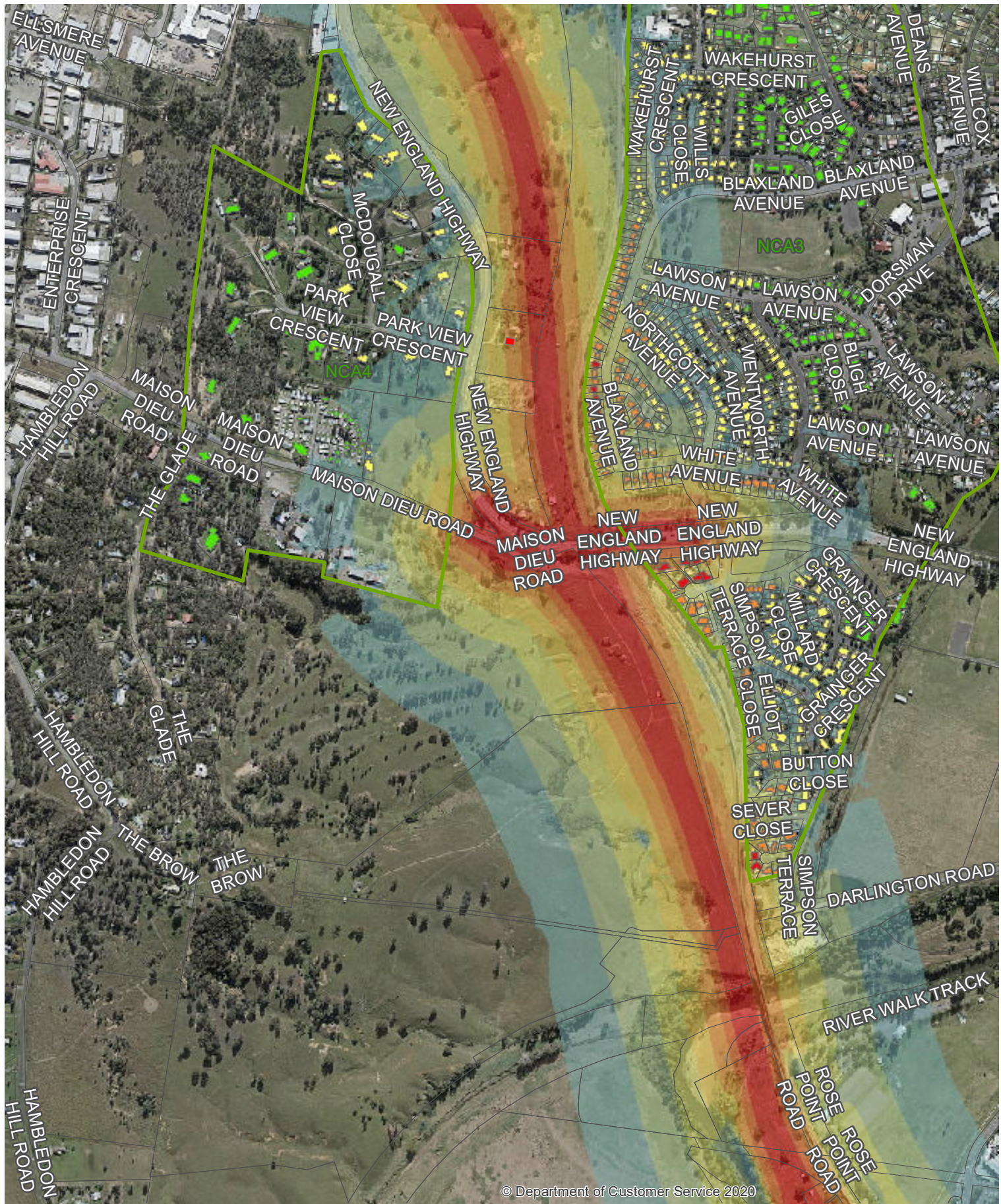
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

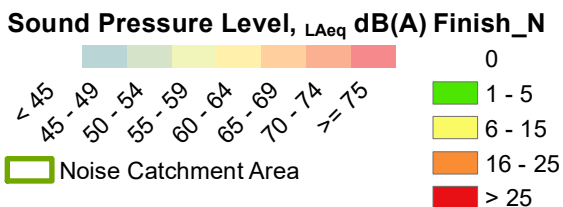
Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

AECOM GIS Printed: Date: 12/08/2021 L:\Secure\Projects\605x605\5893114_Tech Work Area\Acoustics\05_Maps\Construction_Contours_JR.mxd

© Department of Customer Service 2020



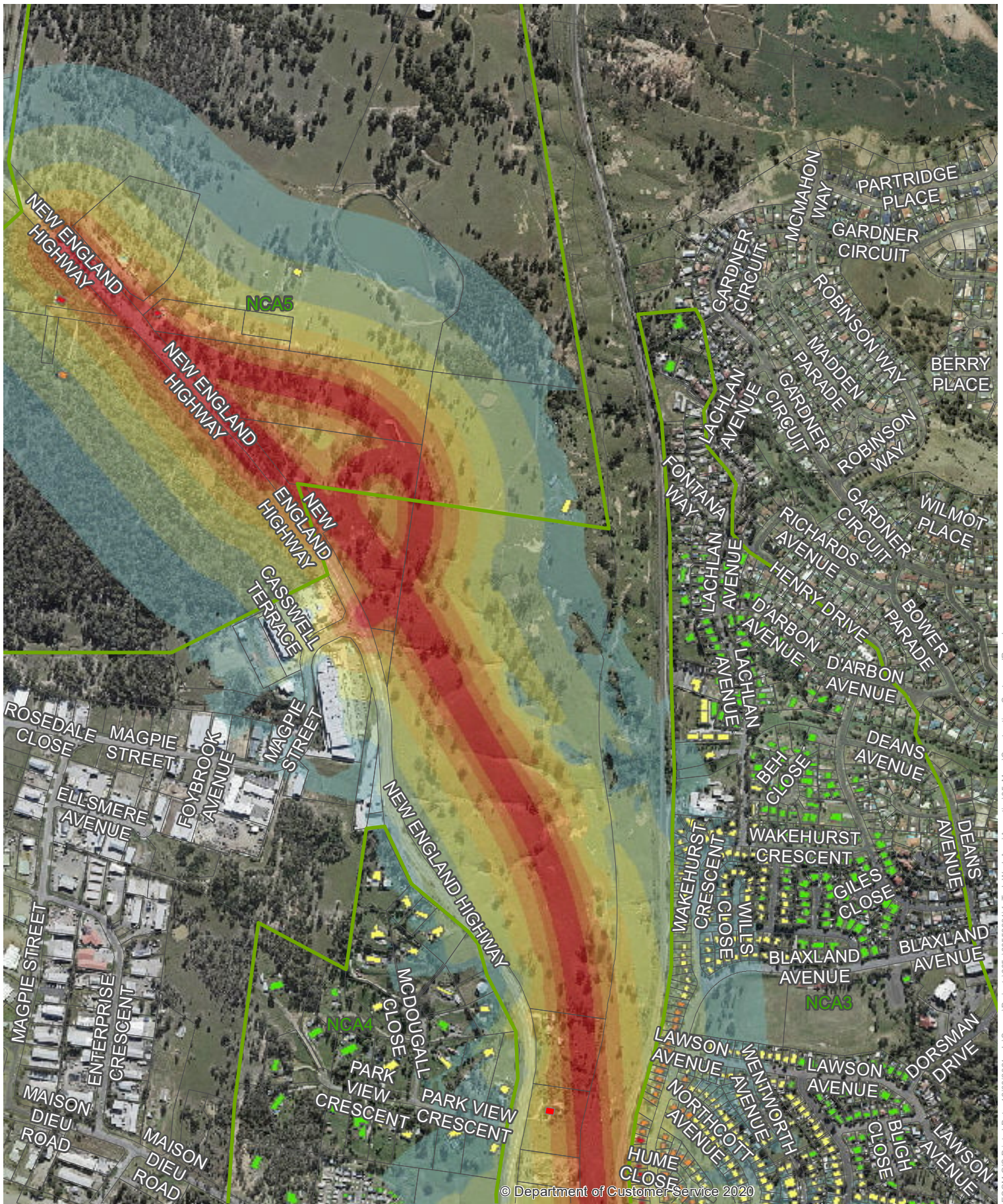
Singleton Bypass - Noise Contours
Finishing Works - Outside Standard Hours



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

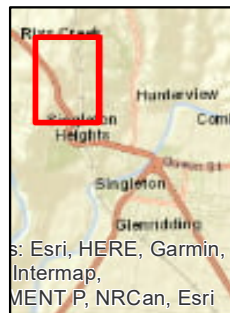
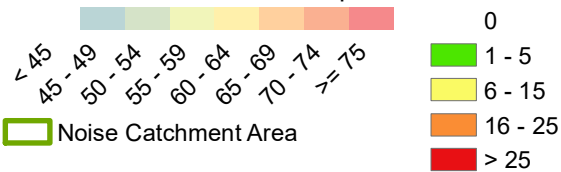
The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Singleton Bypass - Noise Contours
Finishing Works - Outside Standard Hours

Sound Pressure Level, L_{Aeq} dB(A) Finish_N

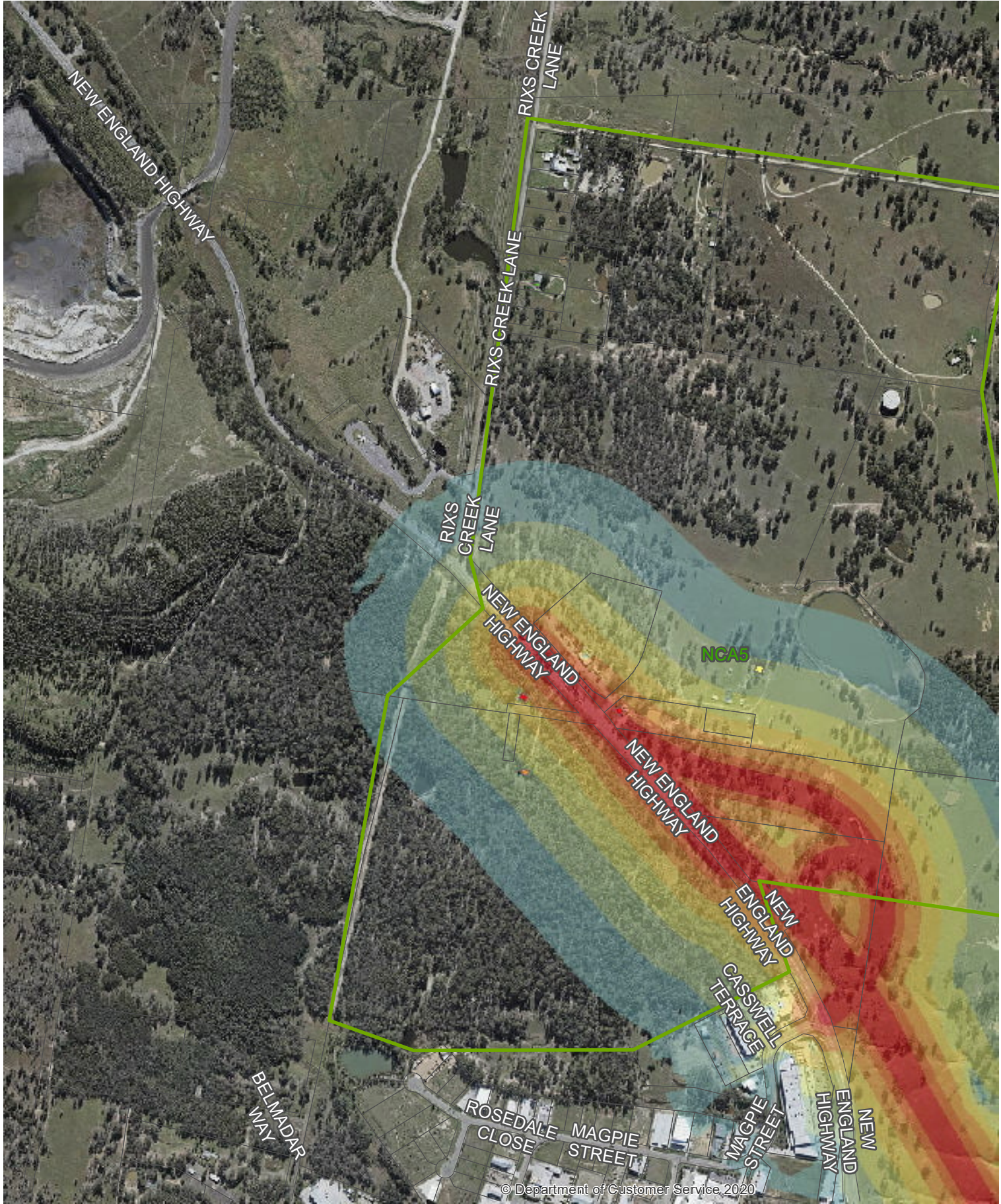


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

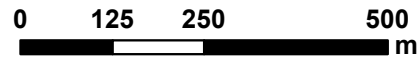
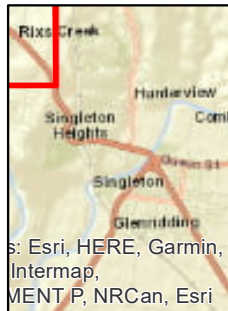
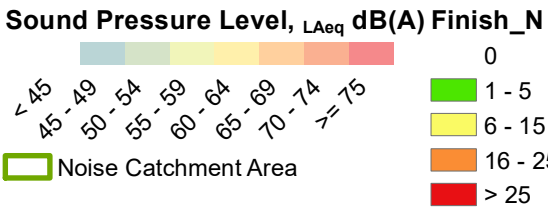
The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Singleton Bypass - Noise Contours
Finishing Works - Outside Standard Hours

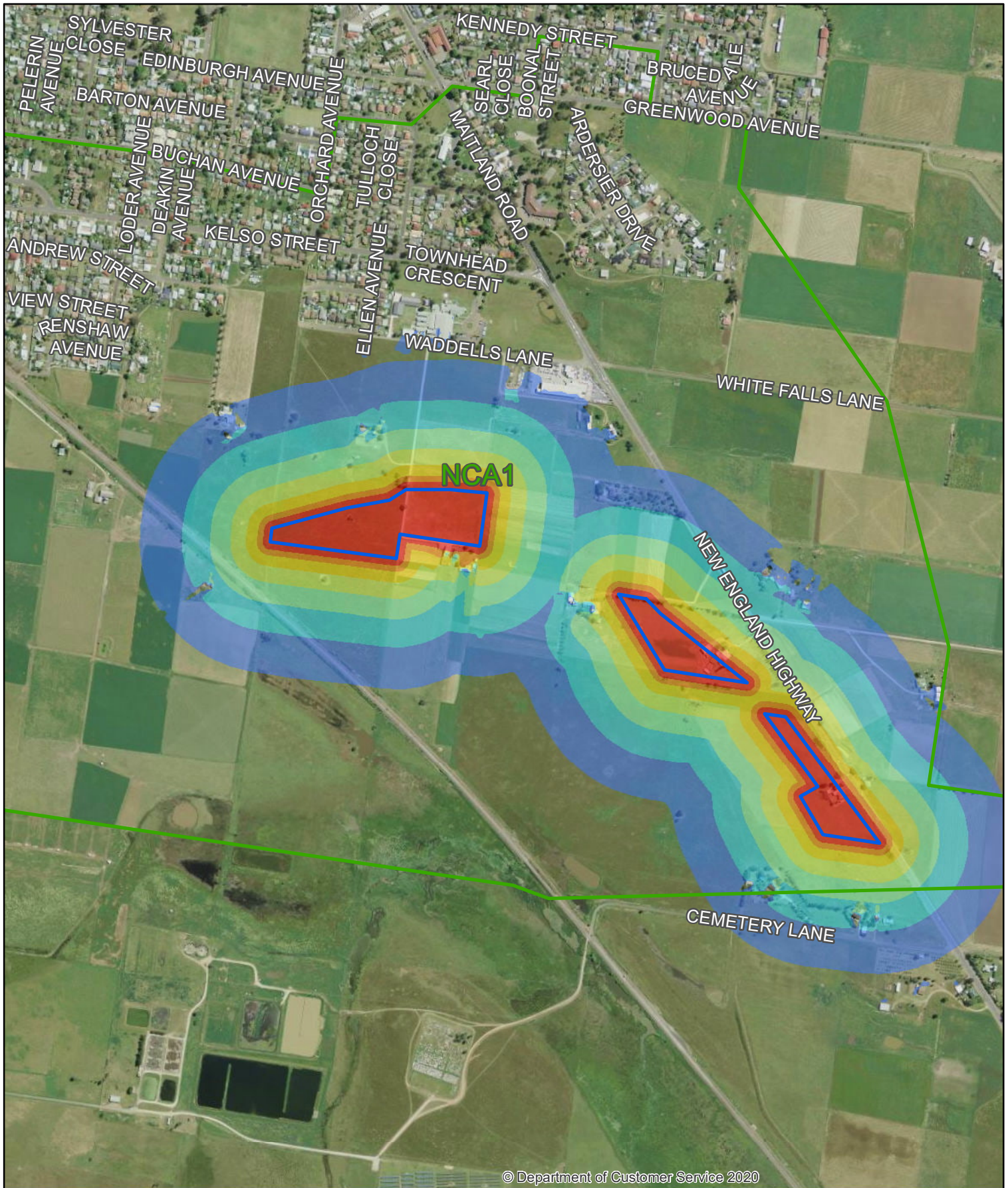


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).

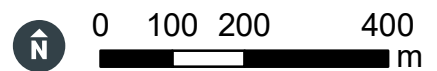
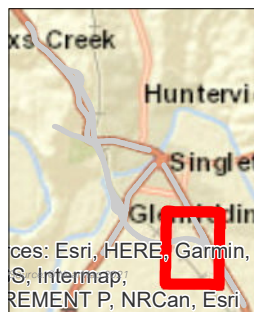
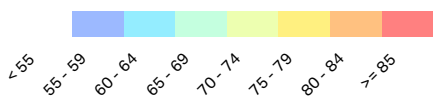
AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Singleton Bypass - L_{A1} Noise Contours
 Southern Connection - Laydown, storage and delivery - Outside Standard Hours

AECOM

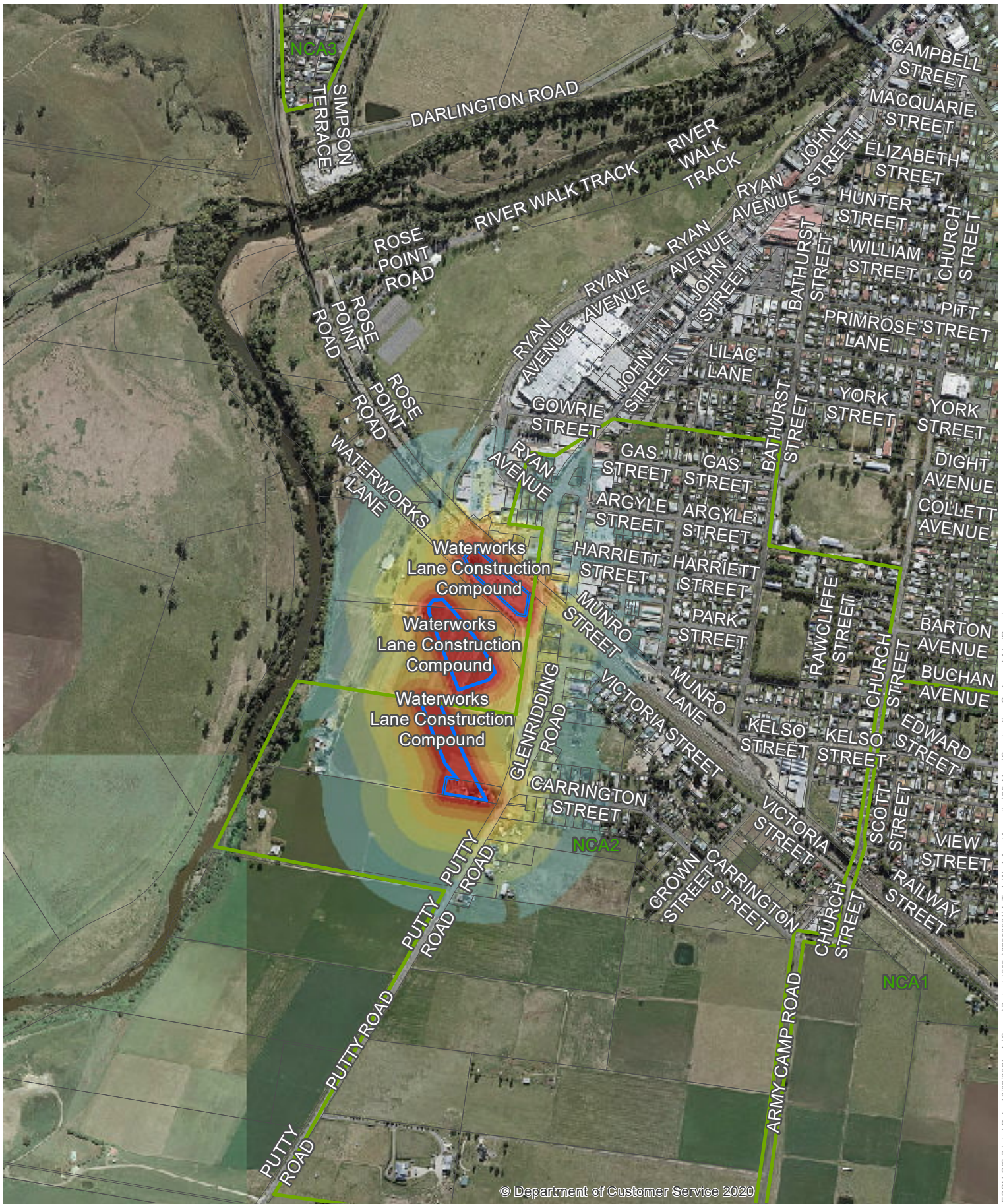
- Noise Catchment Area
- Construction Compounds



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 4.0 Australia licence © Department of Customer Service 2020, (Digital Cadastral Database and/or Digital Topographic Database).

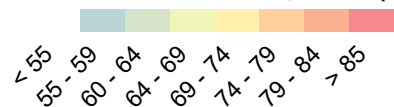
The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

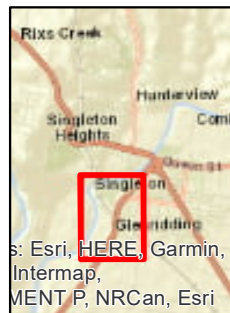


Singleton Bypass - Sleep Disturbance Noise Contours
 Waterworks Lane - Laydown, storage and delivery - Outside Standard Hours

Sound Pressure Level, LA_1 dB(A)



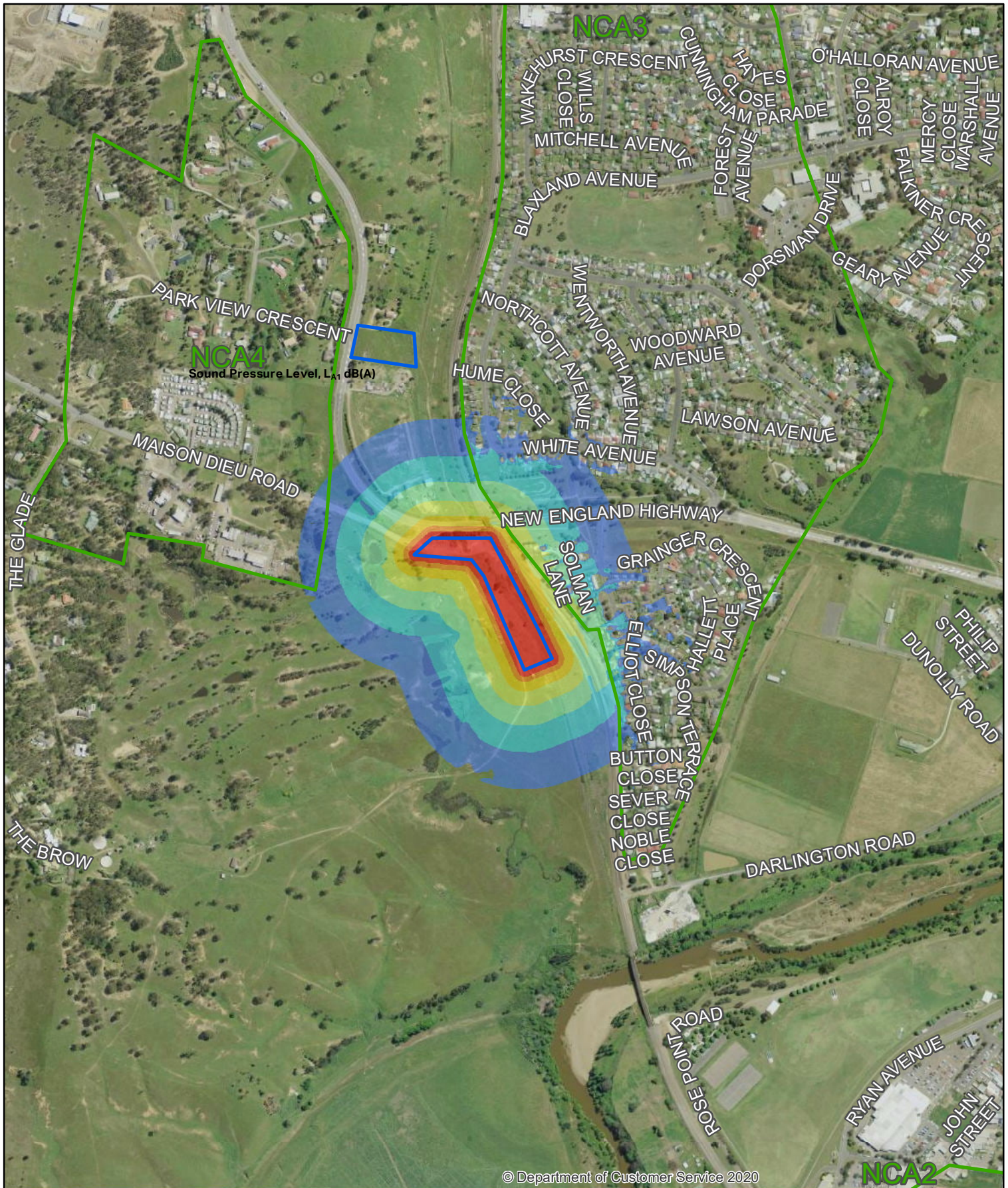
- Noise Catchment Area
- Compounds



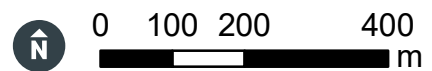
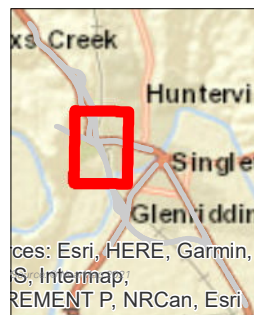
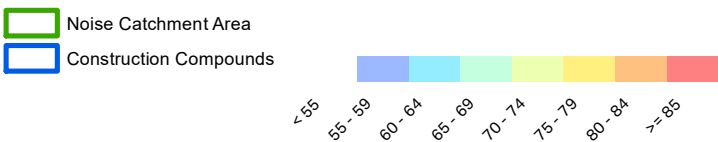
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Singleton Bypass - L_{A1} Noise Contours
 Gowrie Gates - Laydown, storage and delivery - Outside Standard Hours

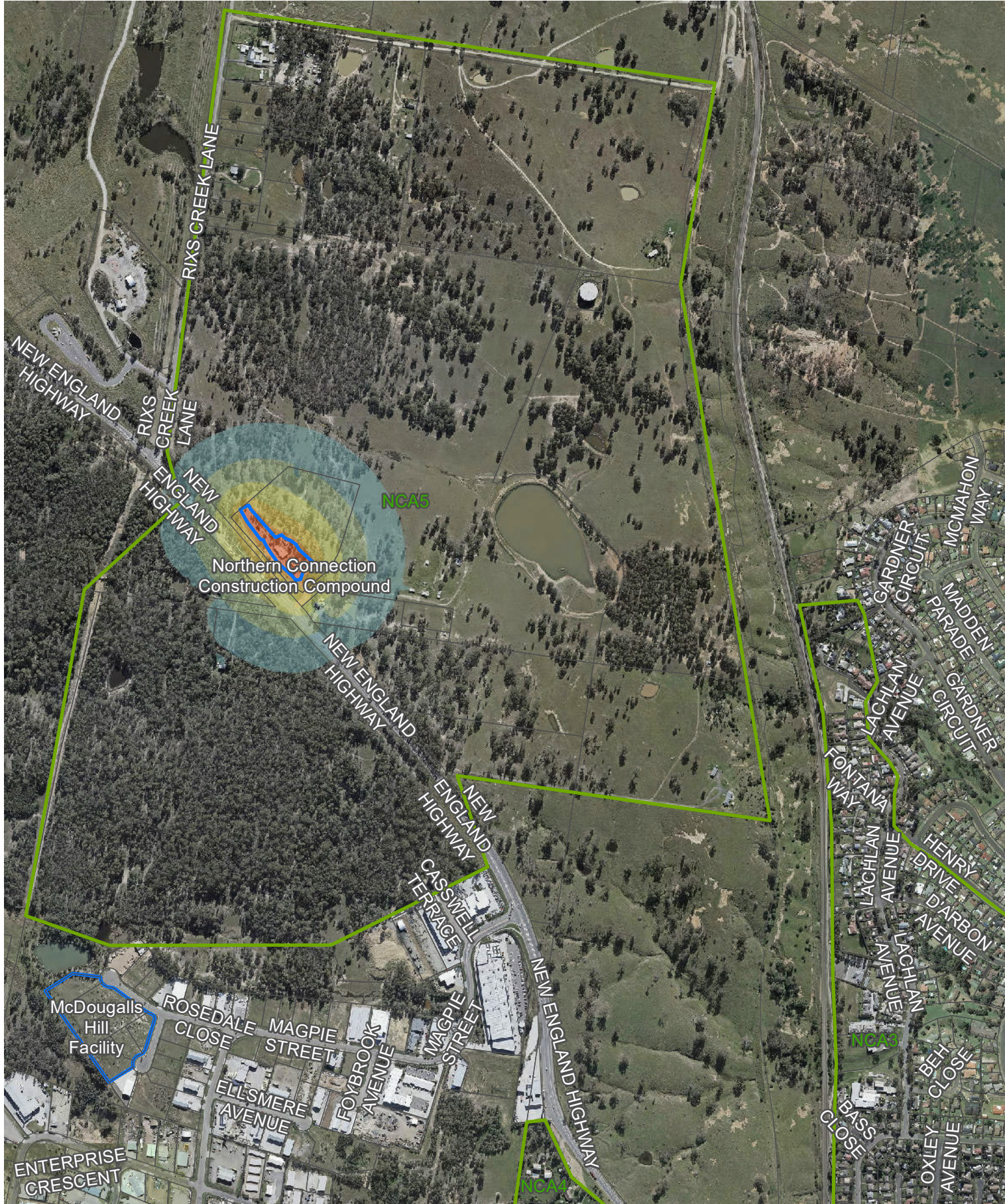


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/legalcode> (Copyright Licence)

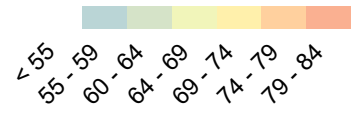
Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

AECOM

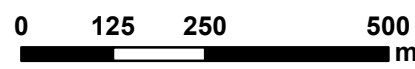
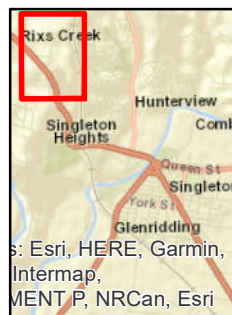


Singleton Bypass - Sleep Disturbance Noise Contours
 Northern Connection - Laydown, storage and delivery - Outside Standard Hours

Sound Pressure Level, LA1 dB(A)



- Noise Catchment Area
- Compounds



AECOM

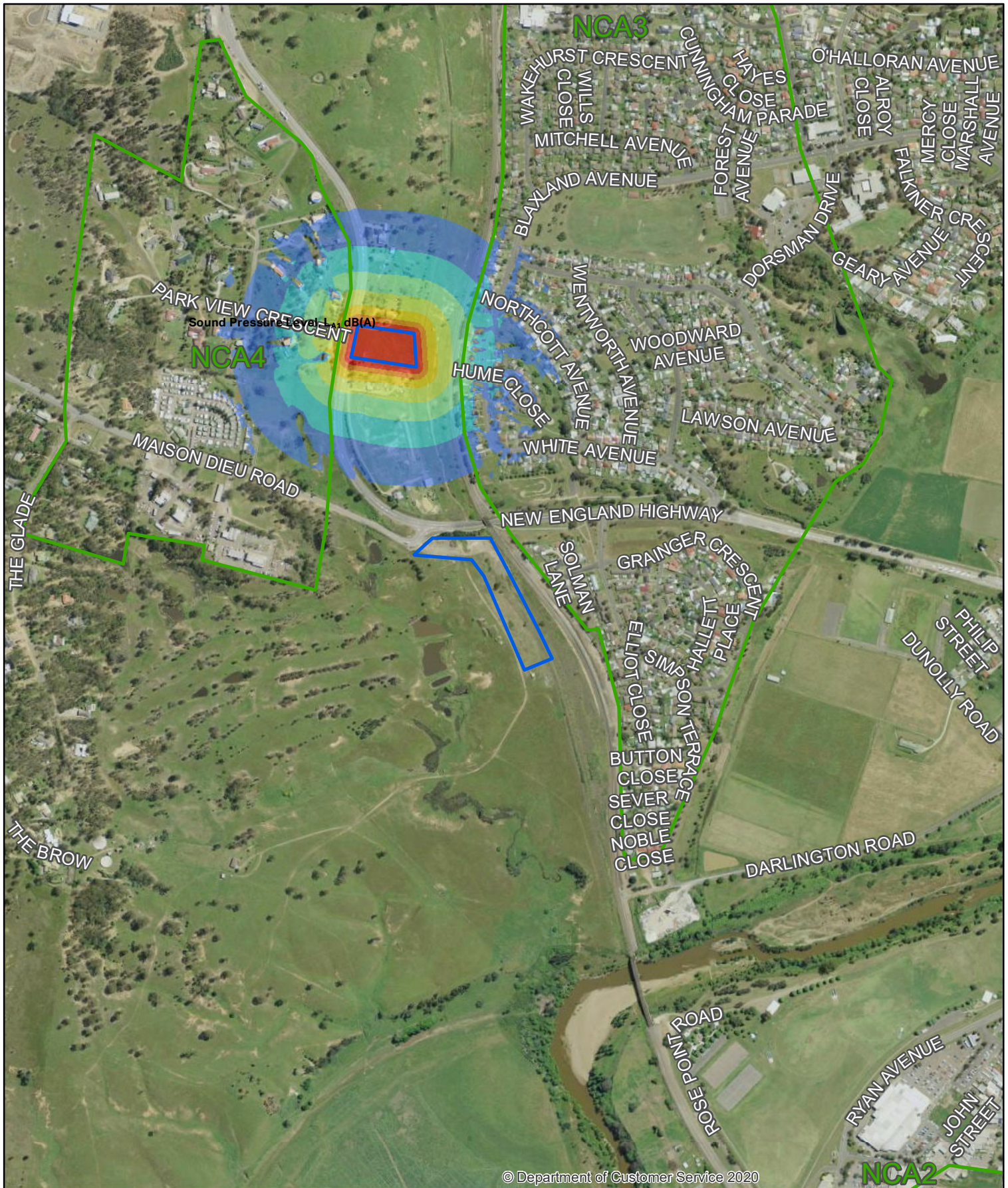
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

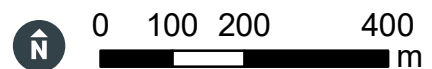
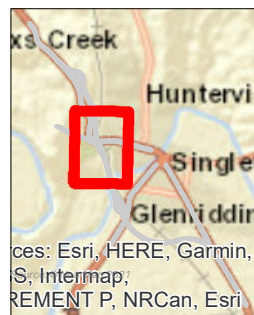
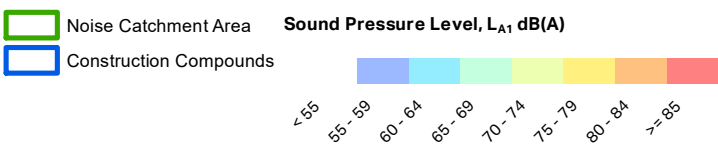
Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

AECOM GIS Printout Date: 4/11/2019 P:\605\X\6056893114_Tech Work Area\Acoustics\05_Mapst\Construction_Contours_LA1.mxd



Singleton Bypass - L_{A1} Noise Contours
 Northern Cut - Laydown, storage and delivery - Outside Standard Hours

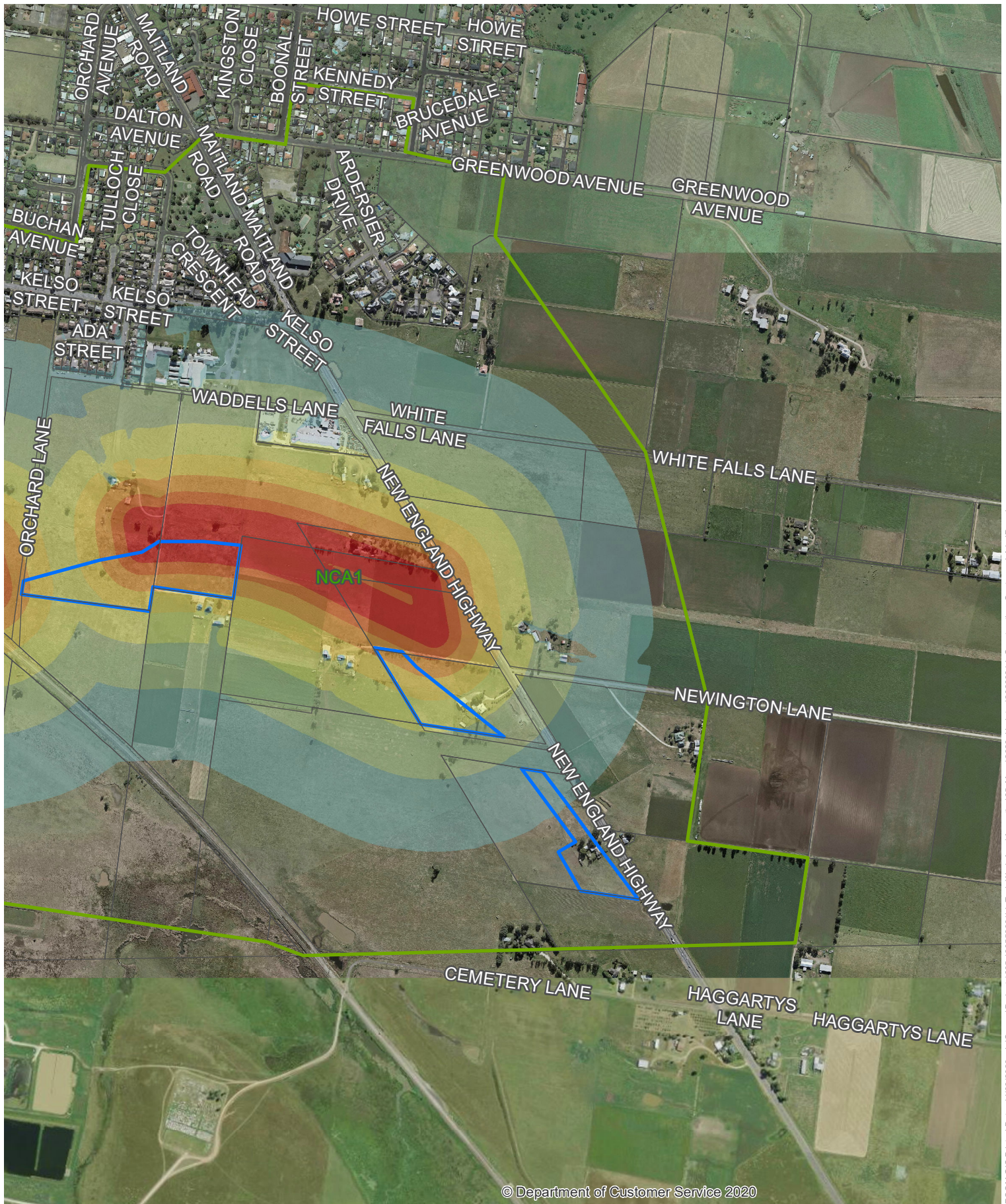


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/legalcode> (Copyright Licence)

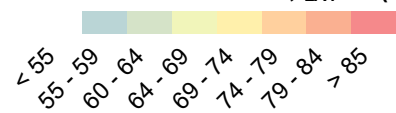
Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

AECOM

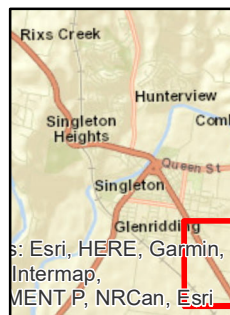


Singleton Bypass - Sleep Disturbance Noise Contours
 Bridge construction - Outside Standard Hours

Sound Pressure Level, LA1 dB(A)



- Noise Catchment Area
- Compounds

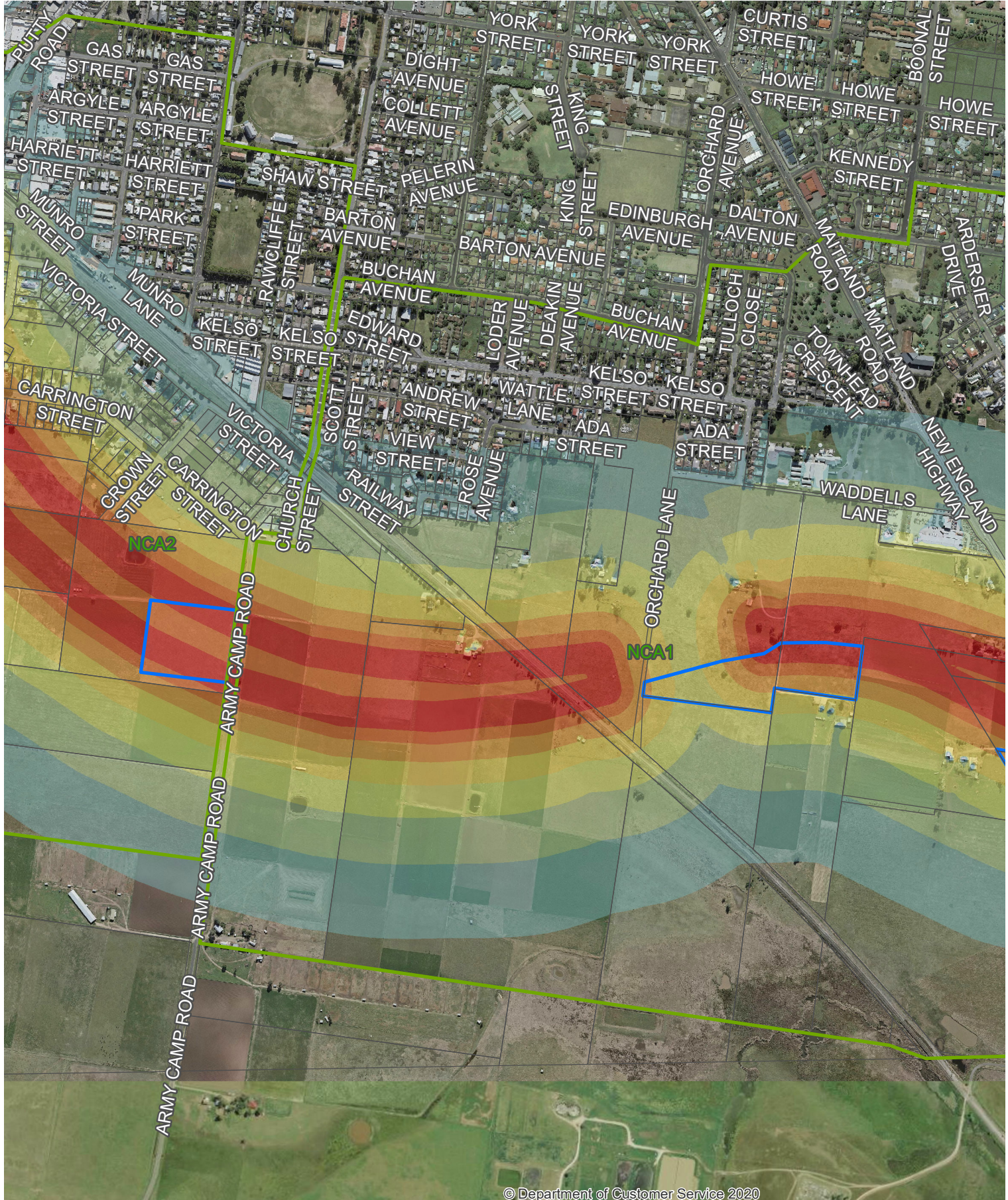


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
 © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

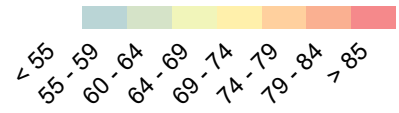
Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

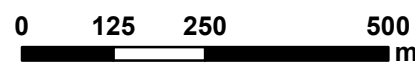
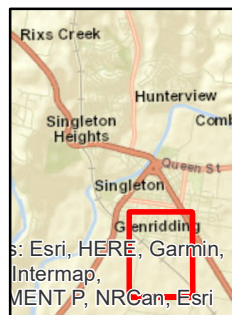


Singleton Bypass - Sleep Disturbance Noise Contours
 Bridge construction - Outside Standard Hours

Sound Pressure Level, LA1 dB(A)



- Noise Catchment Area
- Compounds



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
 © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

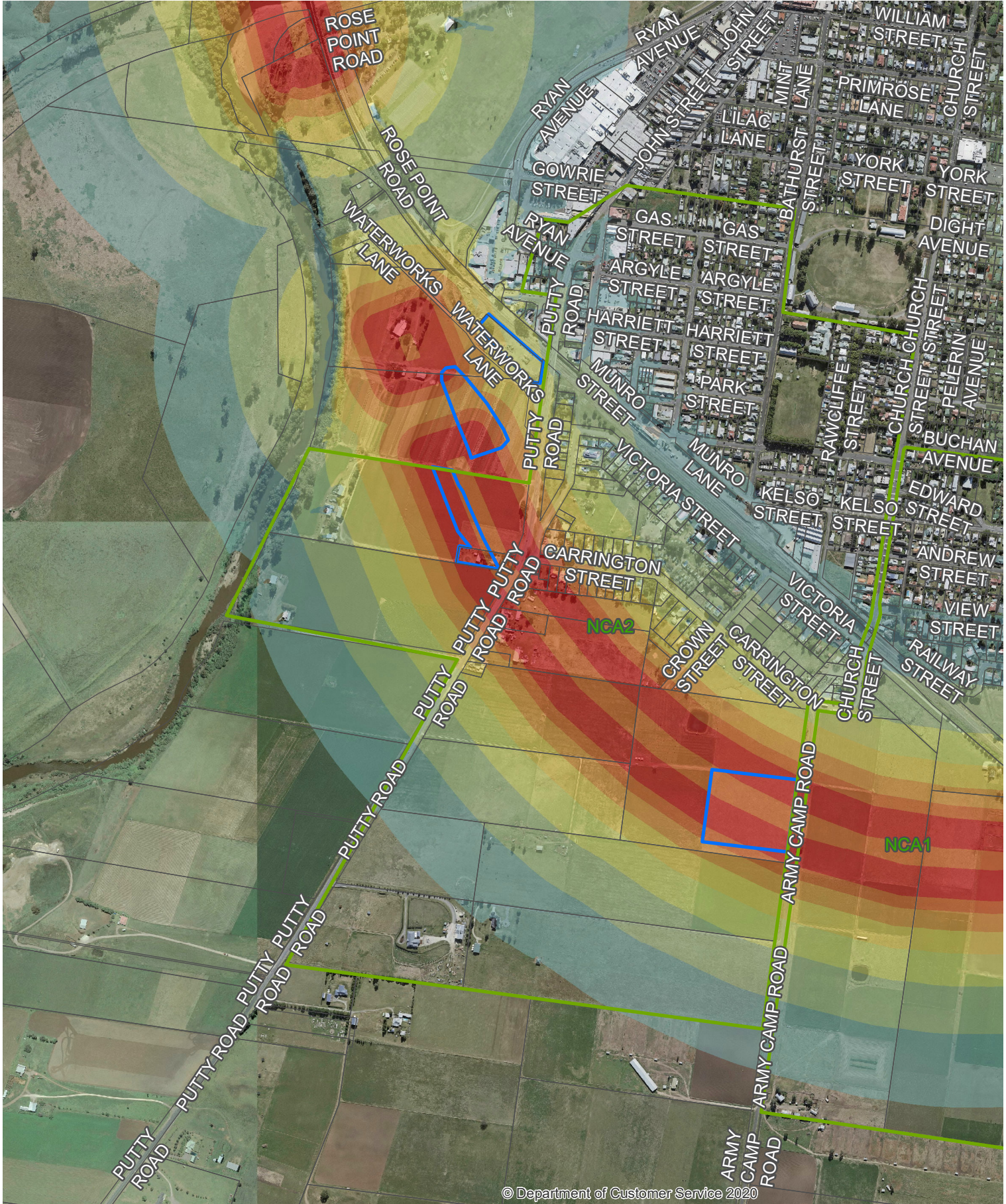
The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

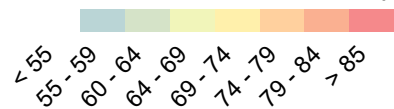
AECOM GIS Printed Date: 14/09/2023 L:\Secure\Projects\605x60558931\4_Tech Work Area\Acoustics\05_Maps\20230914_Construction_Contours_LA1_JR.mxd

© Department of Customer Service 2020

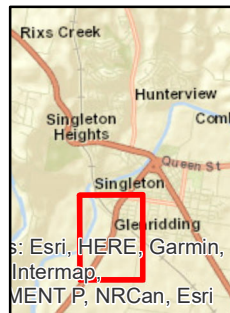


Singleton Bypass - Sleep Disturbance Noise Contours
 Bridge construction - Outside Standard Hours

Sound Pressure Level, LA1 dB(A)



- Noise Catchment Area
- Compounds

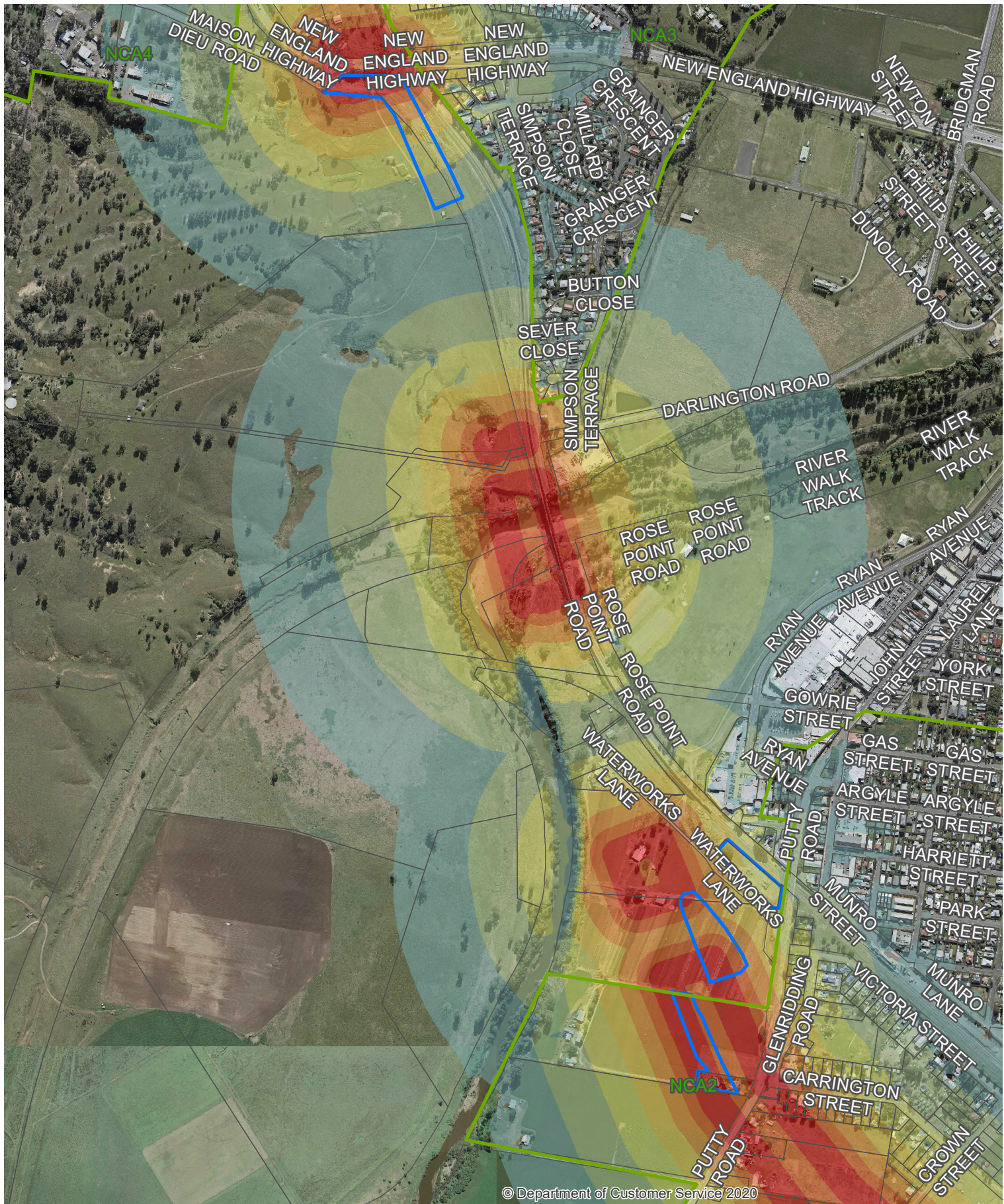


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
 © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).

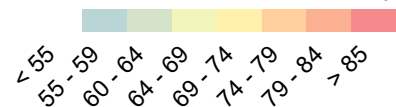
AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



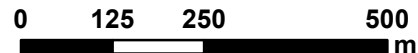
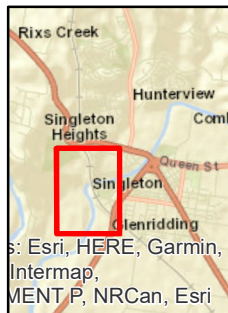
© Department of Customer Service 2020

Singleton Bypass - Sleep Disturbance Noise Contours
Bridge construction - Outside Standard Hours

Sound Pressure Level, LA1 dB(A)



- Noise Catchment Area
- Compounds



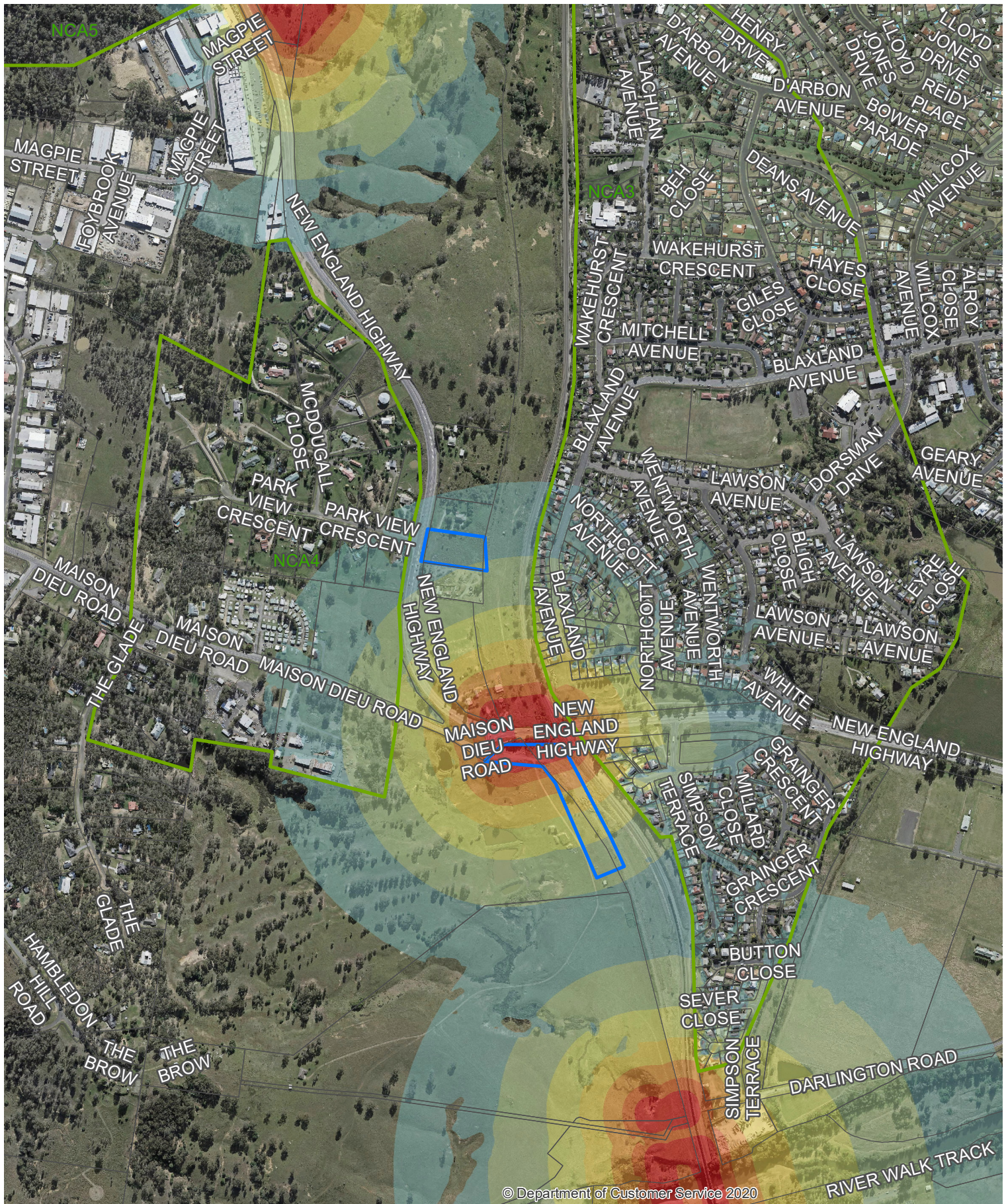
AECOM

Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

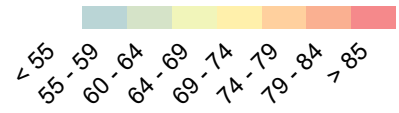
Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

AECOM GIS Printed Date: 14/09/2023 L:\Secure\Projects\605x6055893114_Tech Work Area\Acoustics\05_Maps\2023_Updates\20230914_Construction_Contours_LA1_JR.mxd

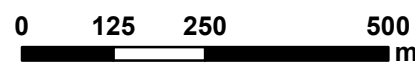
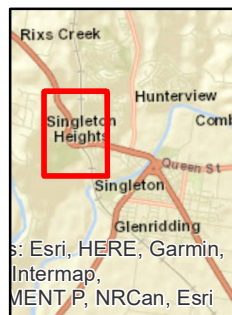


Singleton Bypass - Sleep Disturbance Noise Contours
 Bridge construction - Outside Standard Hours

Sound Pressure Level, LA1 dB(A)



- Noise Catchment Area
- Compounds



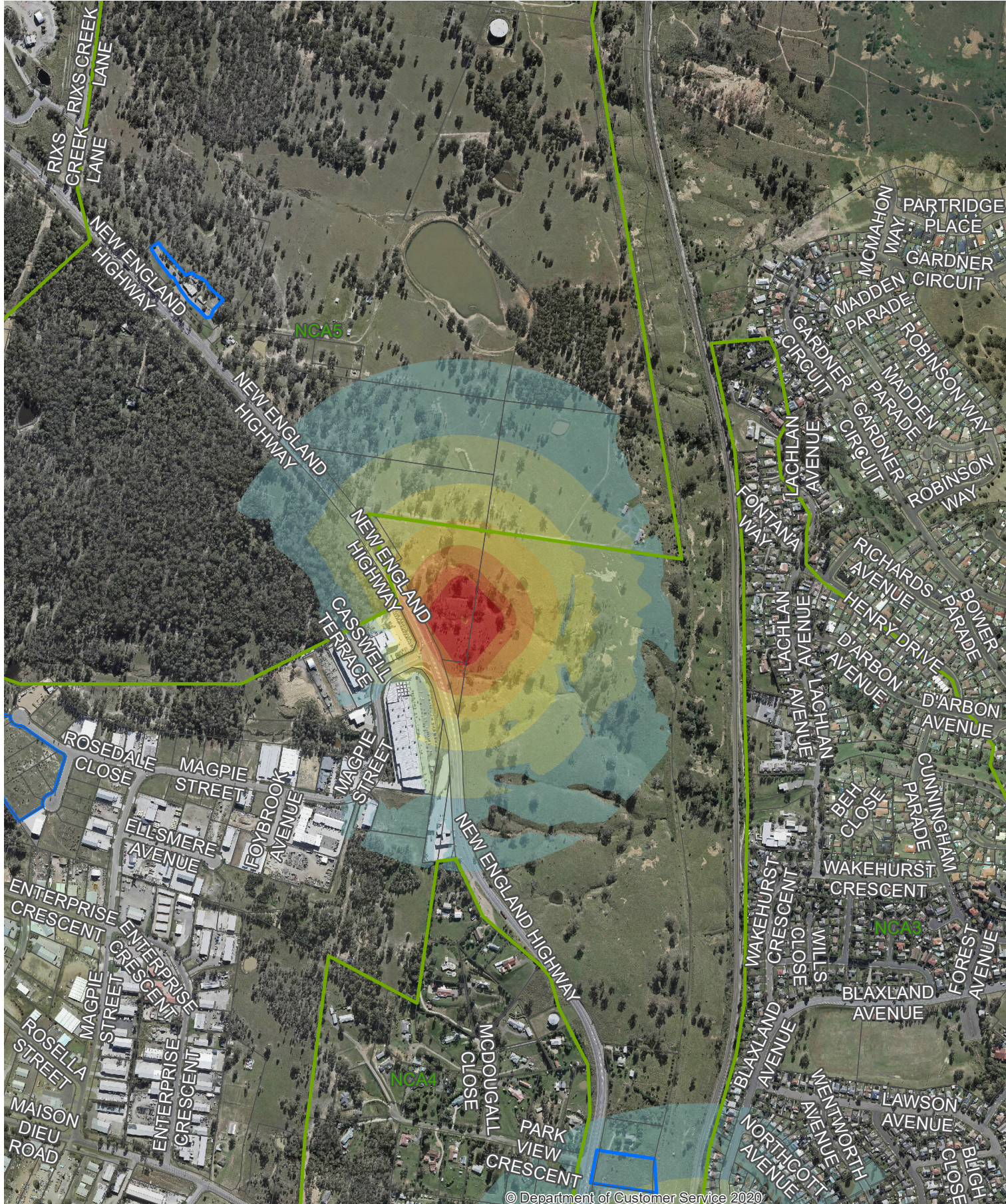
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

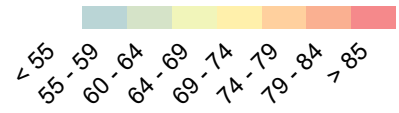
AECOM GIS Printed Date: 14/09/2023 L:\Secure\Projects\605x605\5893114_Tech Work Area\Acoustics\05_Maps\2023_Updates\20230914_Construction_Contours_LA1_JR.mxd

© Department of Customer Service 2020

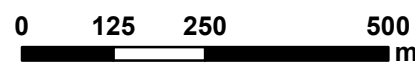
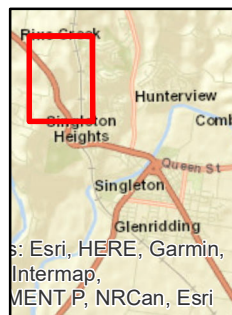


Singleton Bypass - Sleep Disturbance Noise Contours
 Bridge construction - Outside Standard Hours

Sound Pressure Level, LA1 dB(A)



- Noise Catchment Area
- Compounds



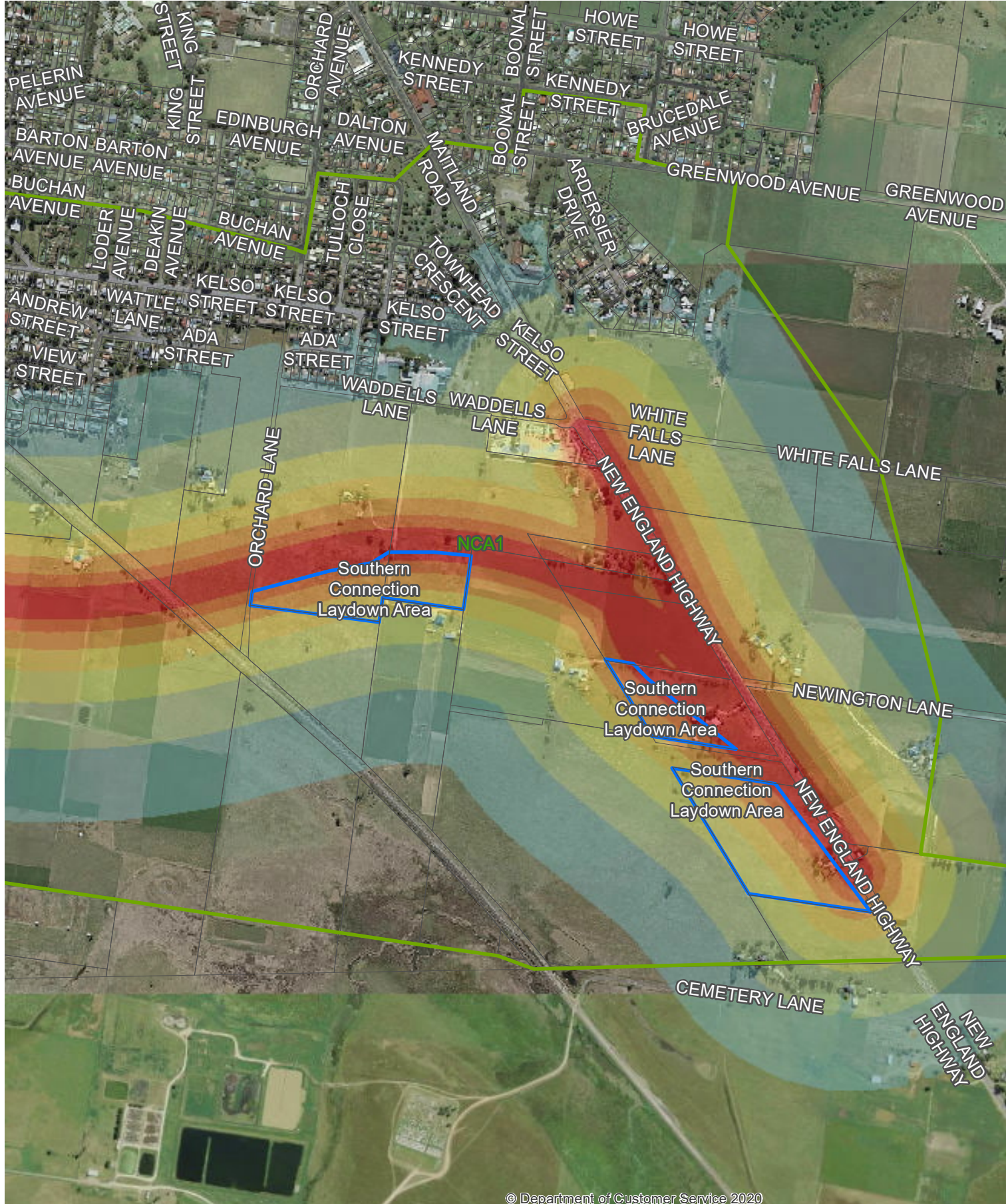
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
 © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

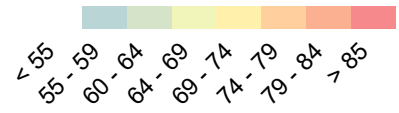
AECOM GIS Printed Date: 14/09/2023 L:\Secure\Projects\605x605\5893114_Tech Work Area\Acoustics\05_Maps\2023_Updates\20230914_Construction_Contours_LA1_JR.mxd



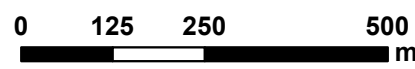
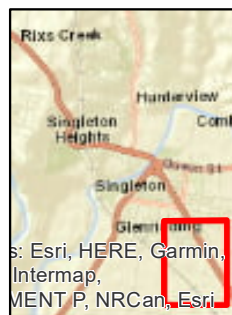
© Department of Customer Service 2020

Singleton Bypass - Sleep Disturbance Noise Contours
Pavement Works - Outside Standard Hours

Sound Pressure Level, LA_1 dB(A)



- Noise Catchment Area
- Compounds



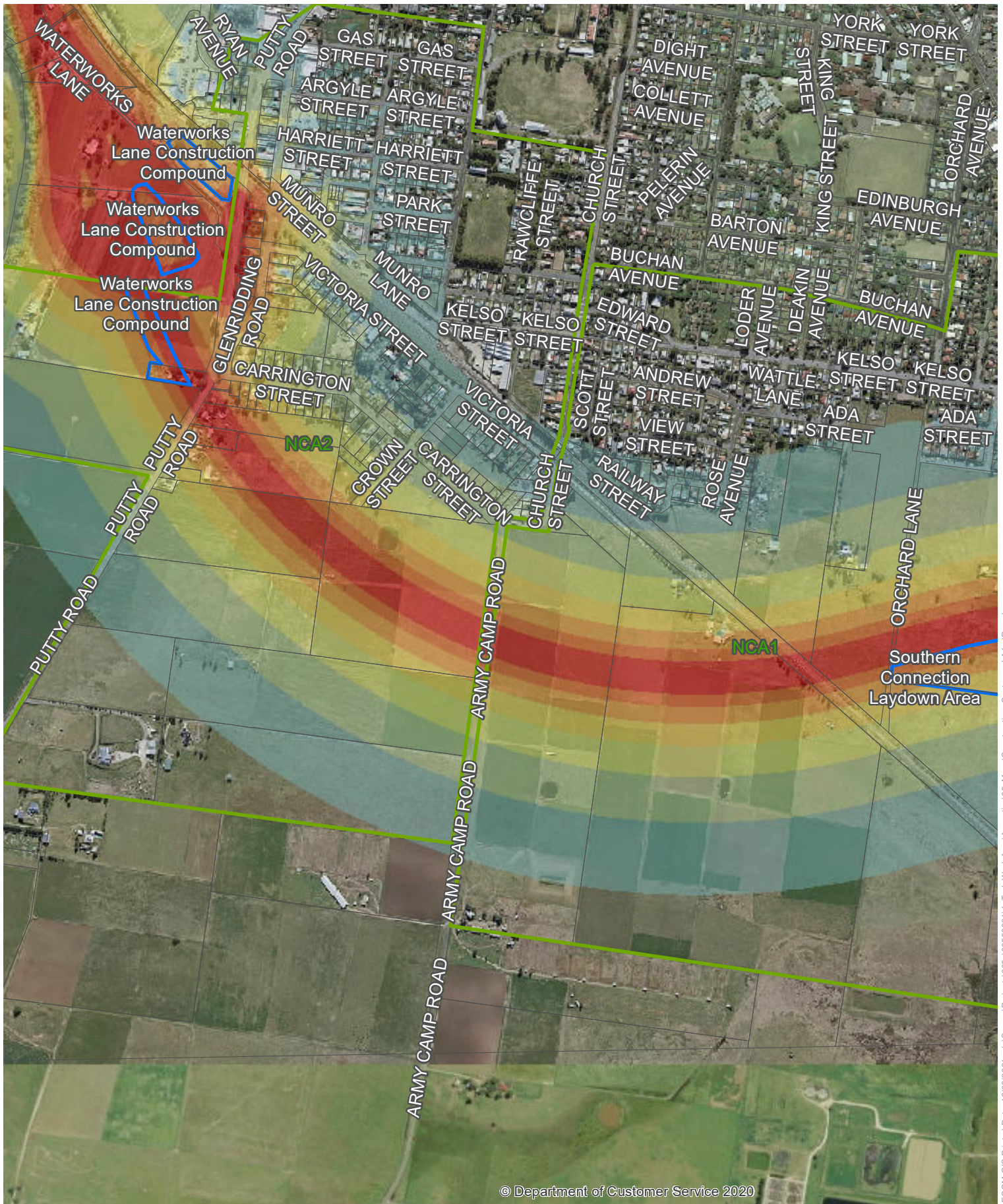
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

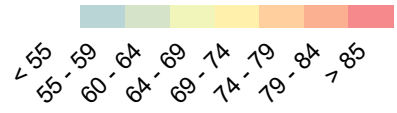
AECOM GIS Printed: Date: 12/08/2021 | L:\Secure\Projects\605x60558931\4_Tech\Work Area\Acoustics\05_Maps\Construction_Contours_LA1_JR.mxd



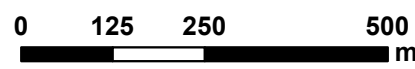
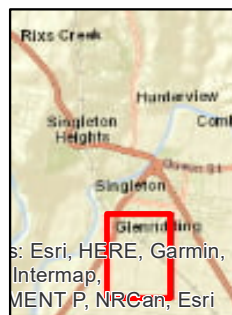
© Department of Customer Service 2020

Singleton Bypass - Sleep Disturbance Noise Contours
Pavement Works - Outside Standard Hours

Sound Pressure Level, LA_1 dB(A)



- Noise Catchment Area
- Compounds



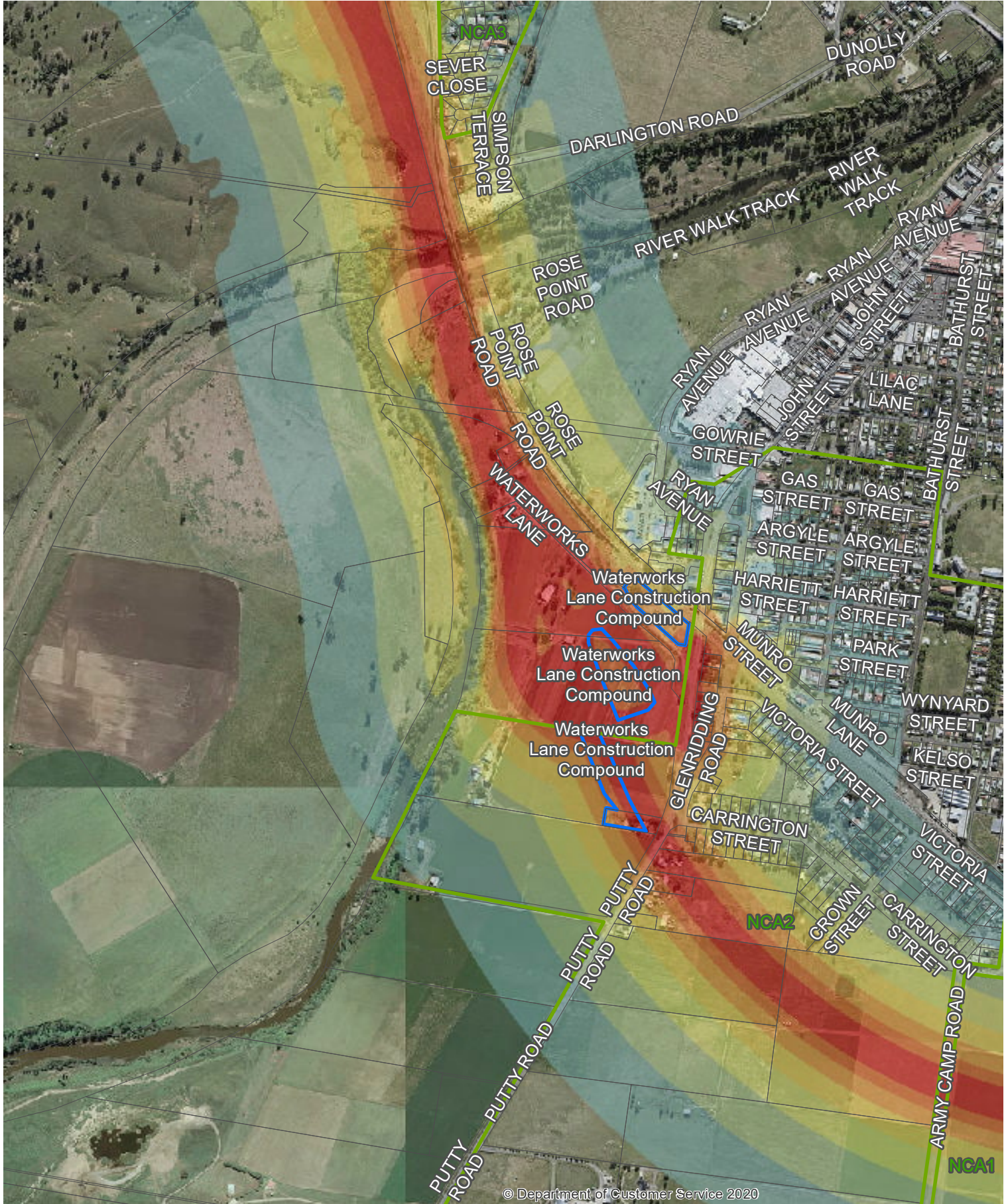
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
 © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).

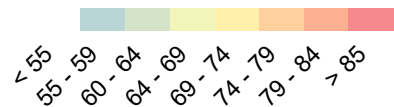
AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

AECOM GIS Printed Date: 12/08/2021 L:\Secure\Projects\605x60558931\4_Tech Work Area\Acoustics\05_Maps\Construction_Contours_LA1_JR.mxd

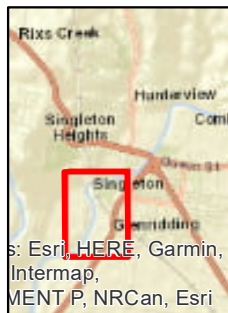


Singleton Bypass - Sleep Disturbance Noise Contours
Pavement Works - Outside Standard Hours

Sound Pressure Level, LA_1 dB(A)



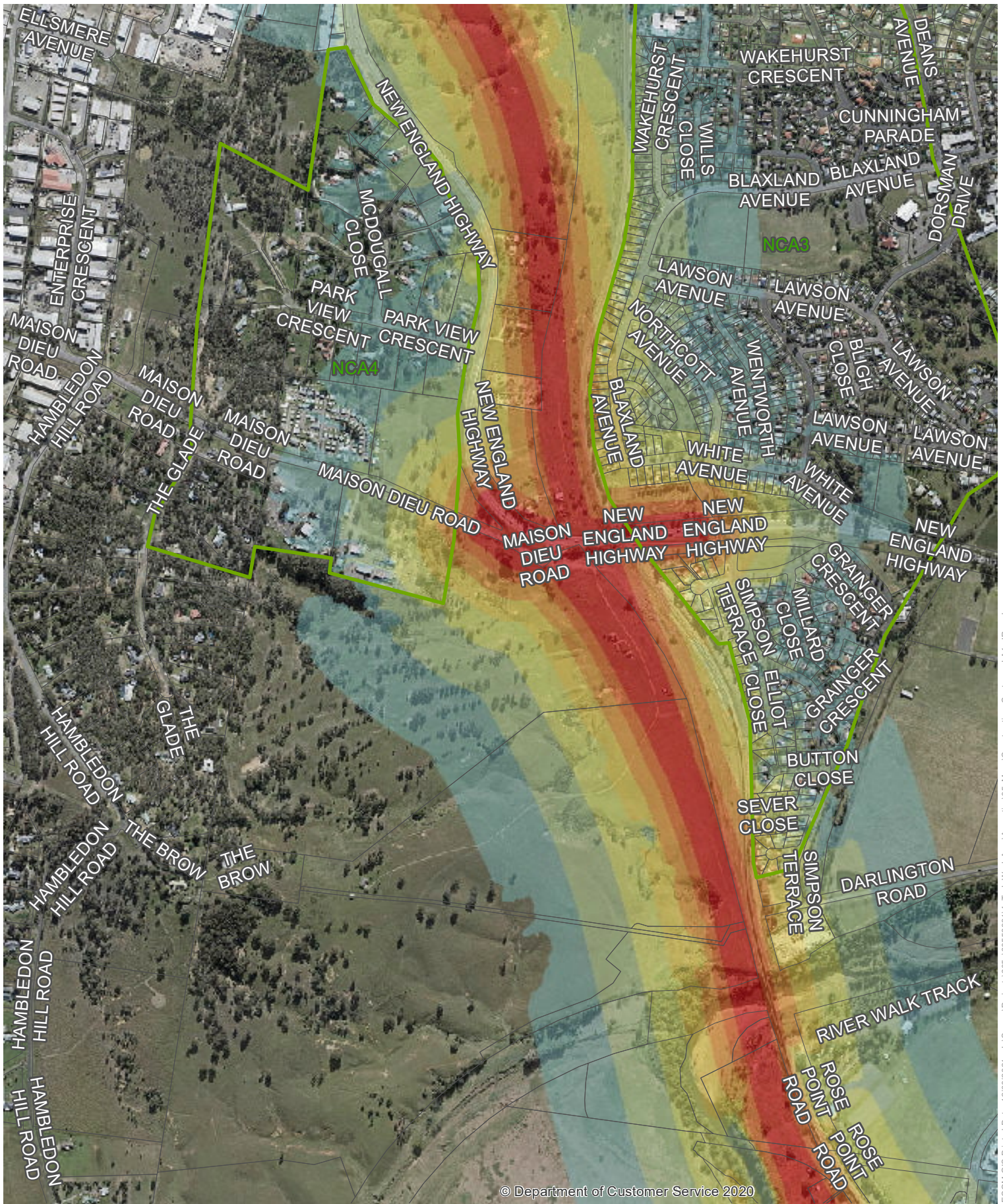
- Noise Catchment Area
- Compounds



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

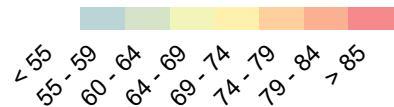
The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



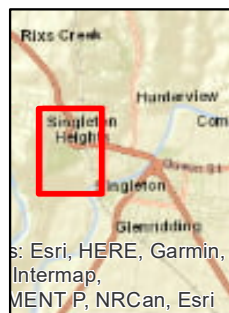
Singleton Bypass - Sleep Disturbance Noise Contours
Pavement Works - Outside Standard Hours

Sound Pressure Level, LA_1 dB(A)



 Noise Catchment Area

© Department of Customer Service 2020

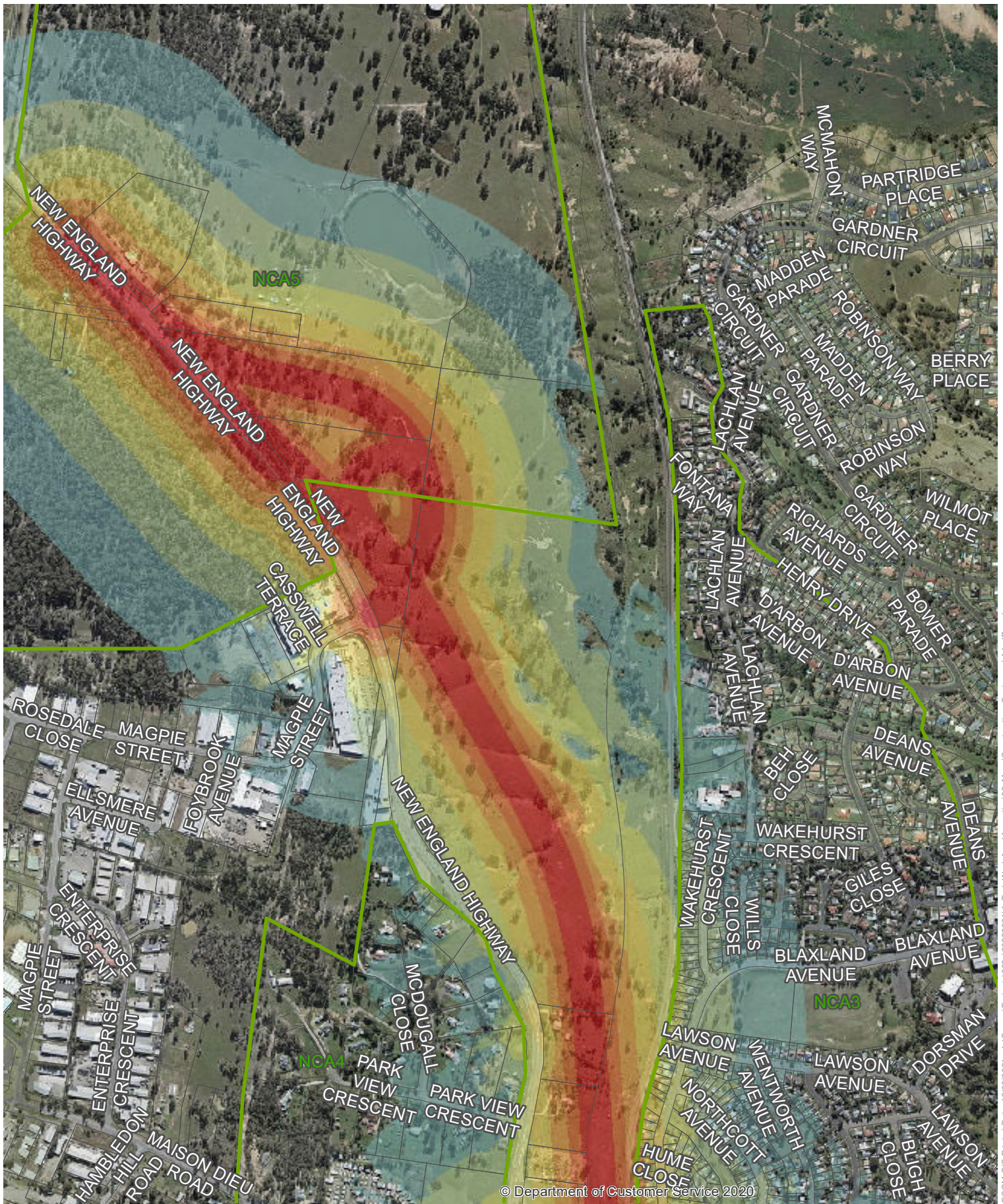


AECOM

Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
© Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

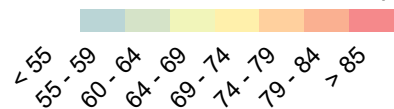
The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).
AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

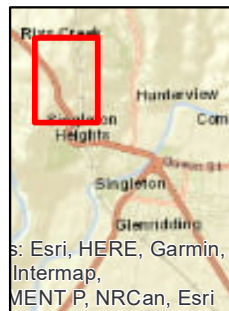


Singleton Bypass - Sleep Disturbance Noise Contours
Pavement Works - Outside Standard Hours

Sound Pressure Level, LA_1 dB(A)



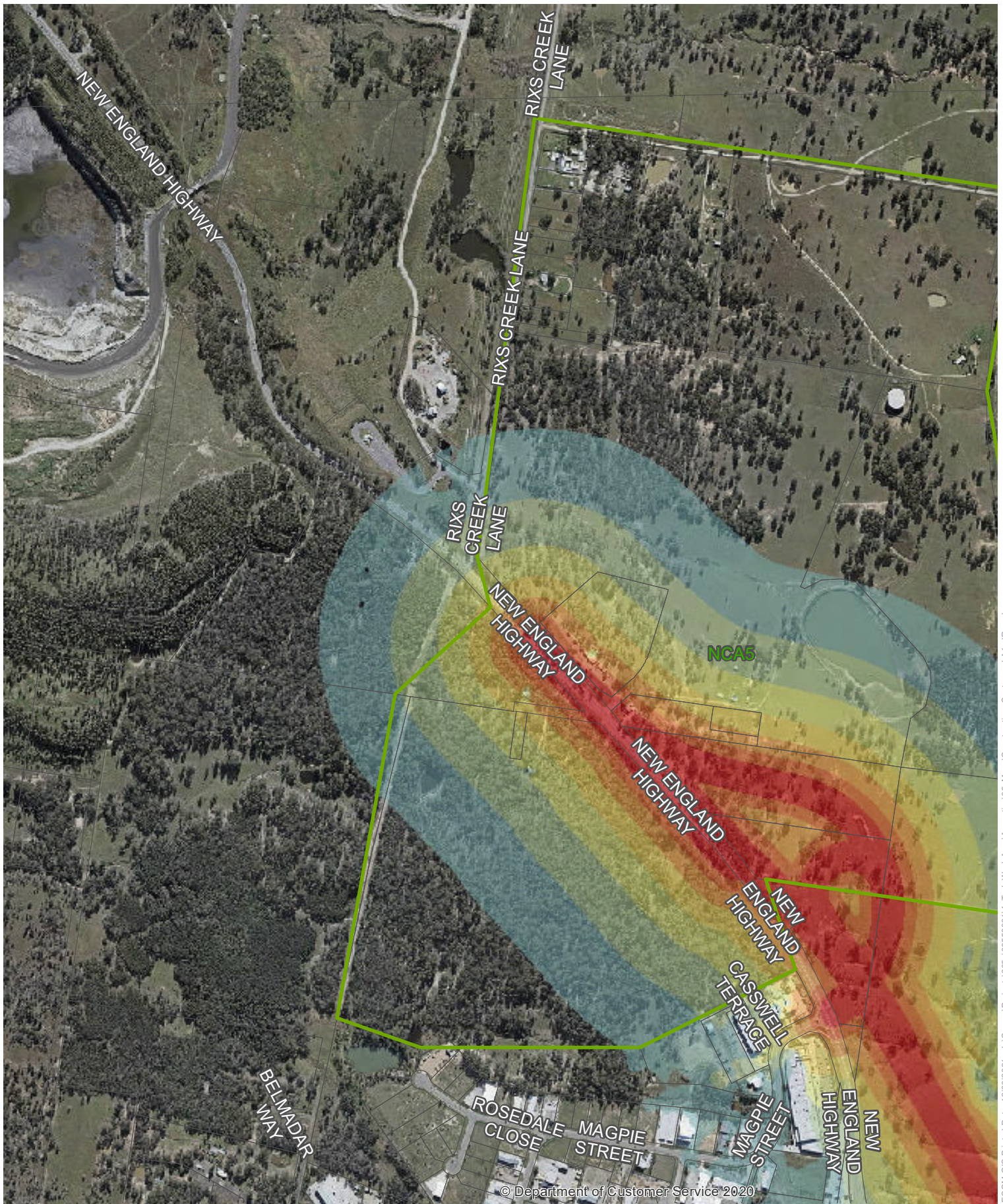
Noise Catchment Area



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

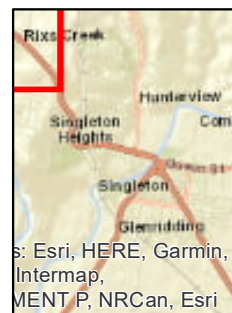
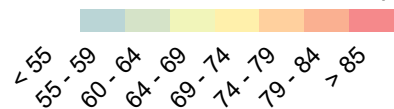
The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Singleton Bypass - Sleep Disturbance Noise Contours
Pavement Works - Outside Standard Hours

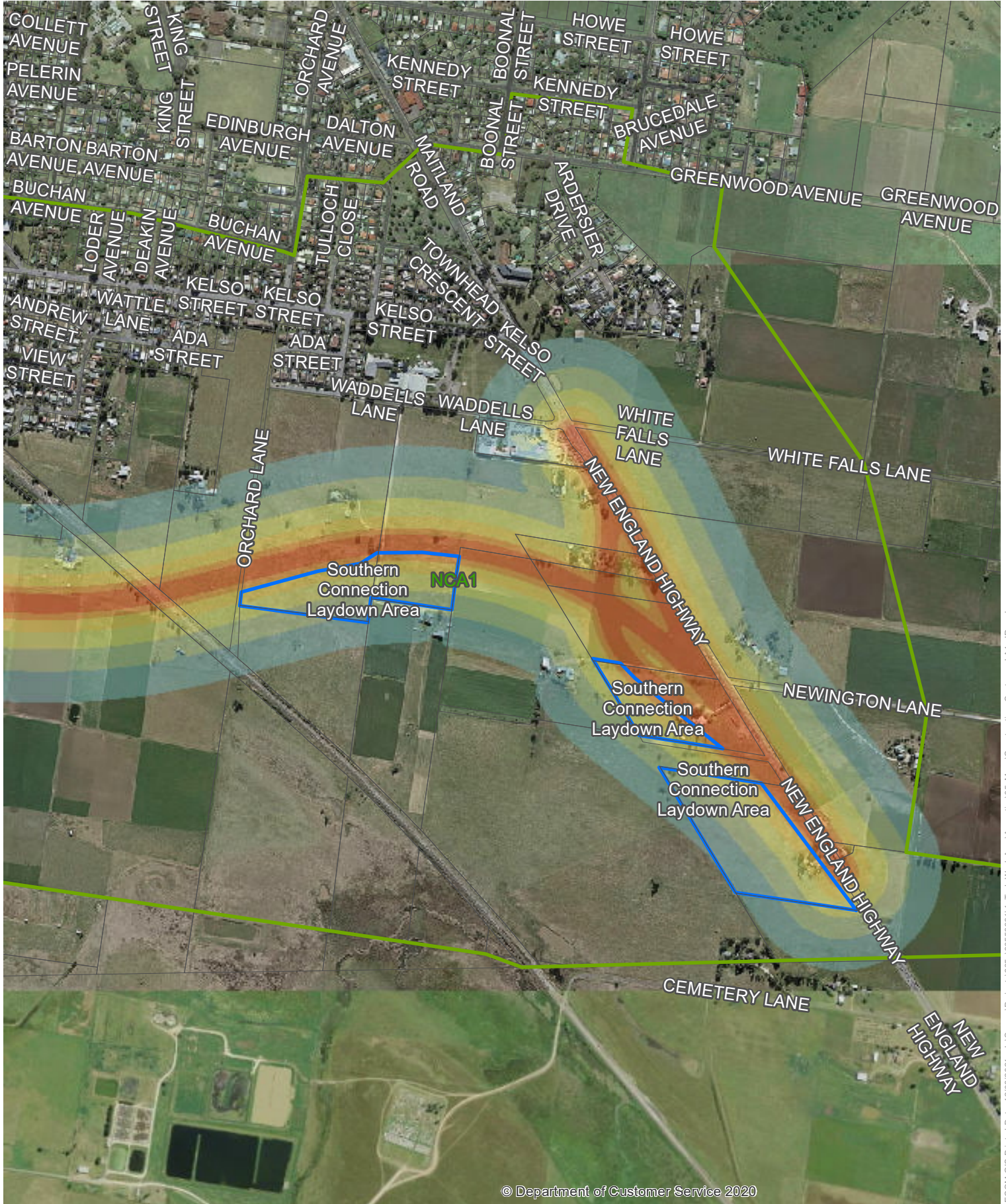
Sound Pressure Level, LA_1 dB(A)



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
© Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

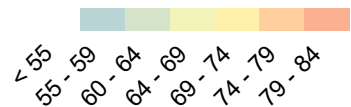
The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).
AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



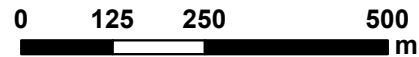
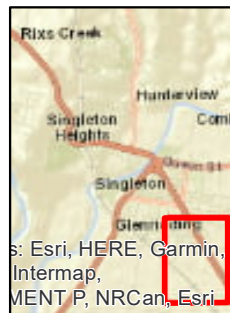
Singleton Bypass - Sleep Disturbance Noise Contours
Finishing Works - Outside Standard Hours

Sound Pressure Level, LA_1 dB(A)



- Noise Catchment Area
- Compounds

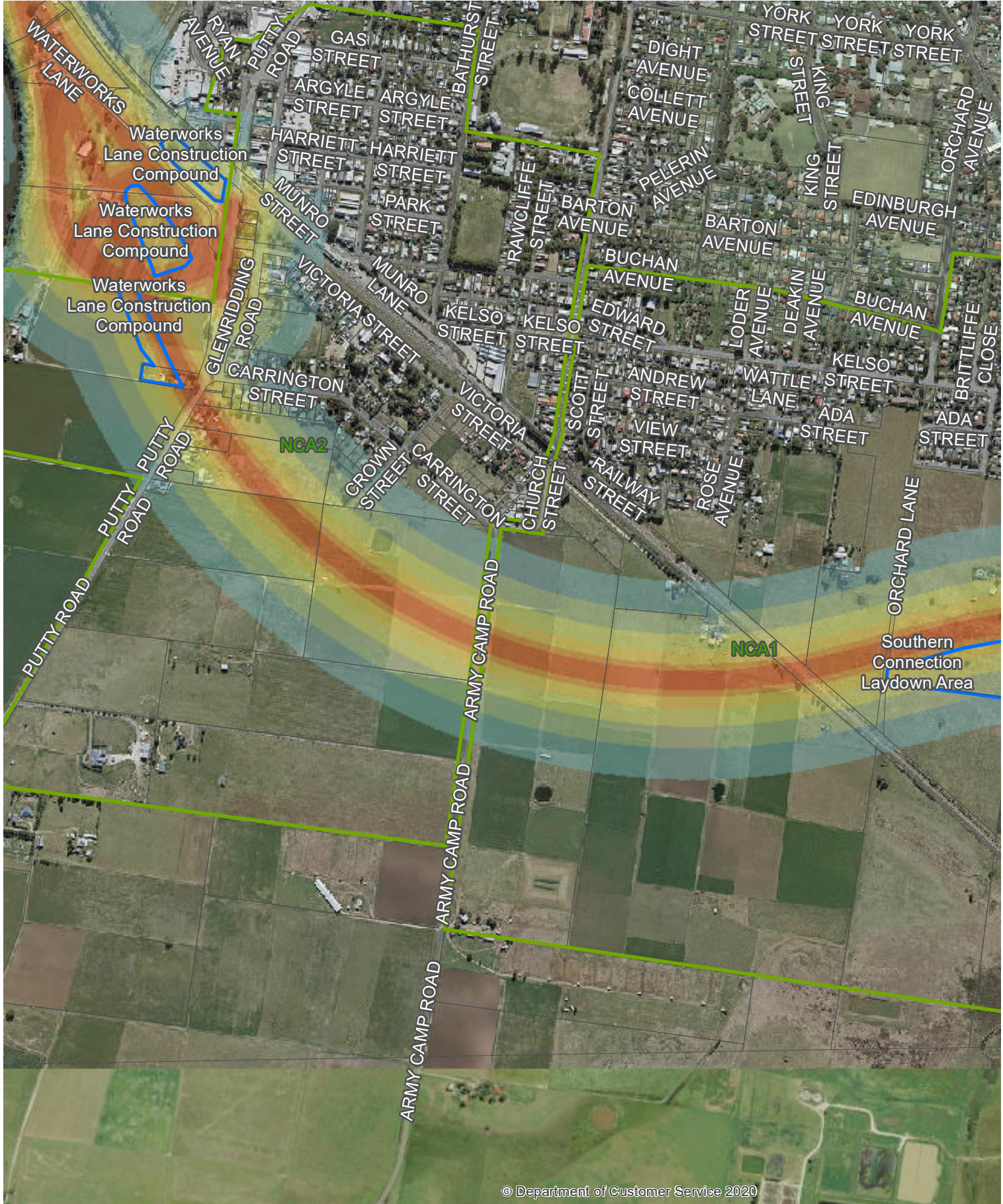
© Department of Customer Service 2020



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

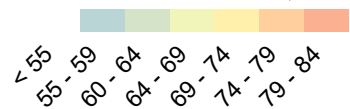
The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

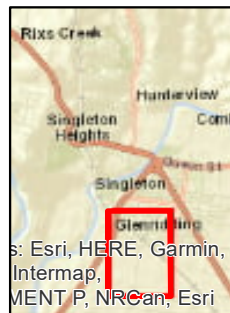


Singleton Bypass - Sleep Disturbance Noise Contours
Finishing Works - Outside Standard Hours

Sound Pressure Level, LA1 dB(A)



- Noise Catchment Area
- Compounds



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

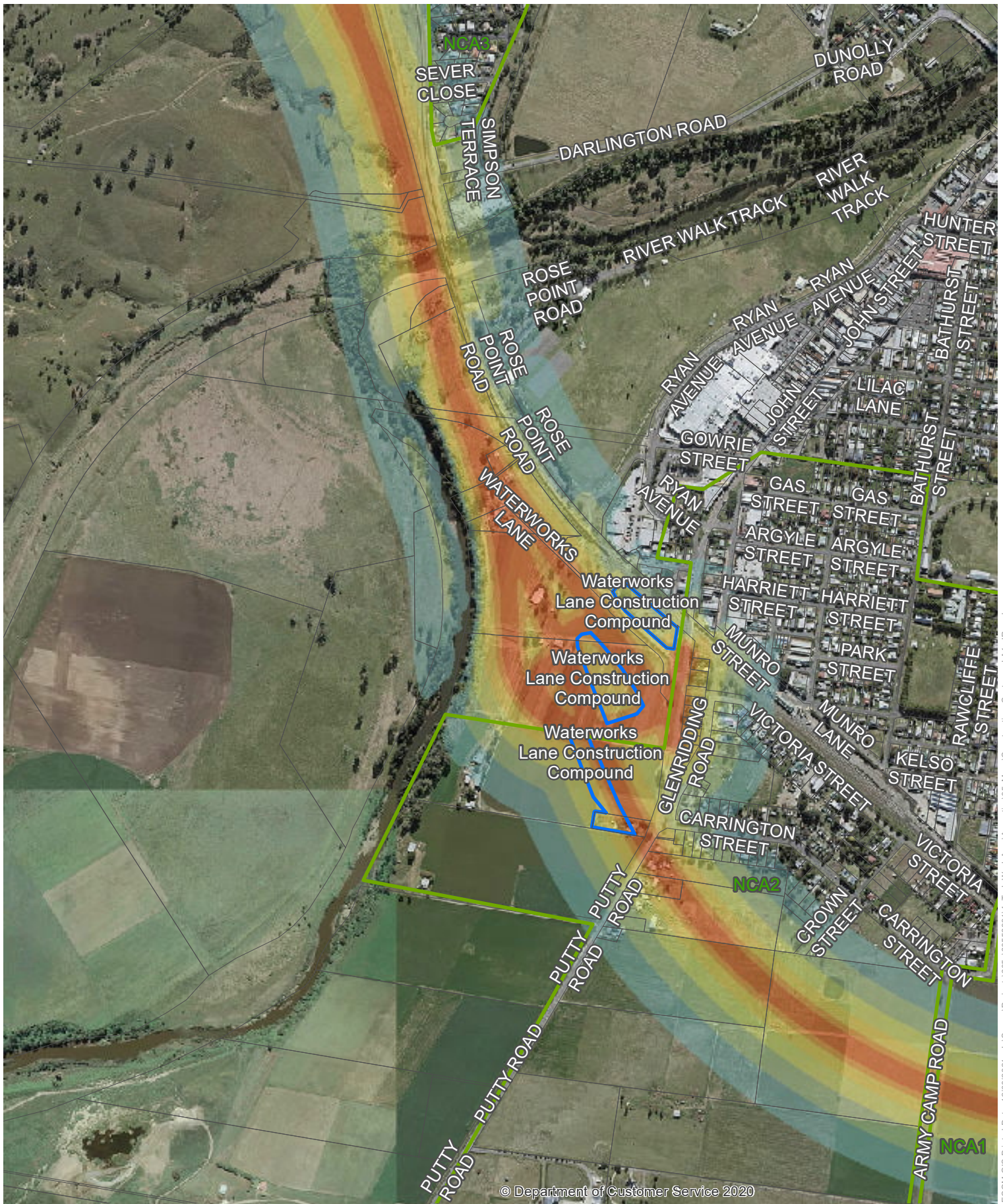
The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

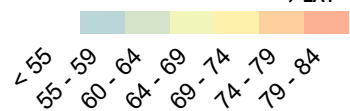
© Department of Customer Service 2020

AECOM GIS Printed Date: 12/08/2021 L:\Secure\Projects\605x605\58931\4_Tech Work Area\Acoustics\05_Maps\Construction_Contours_LA1_JR.mxd



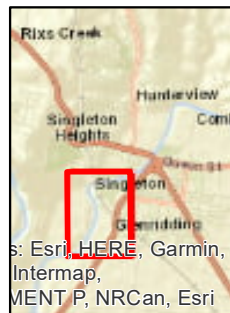
Singleton Bypass - Sleep Disturbance Noise Contours
Finishing Works - Outside Standard Hours

Sound Pressure Level, LA1 dB(A)



- Noise Catchment Area
- Compounds

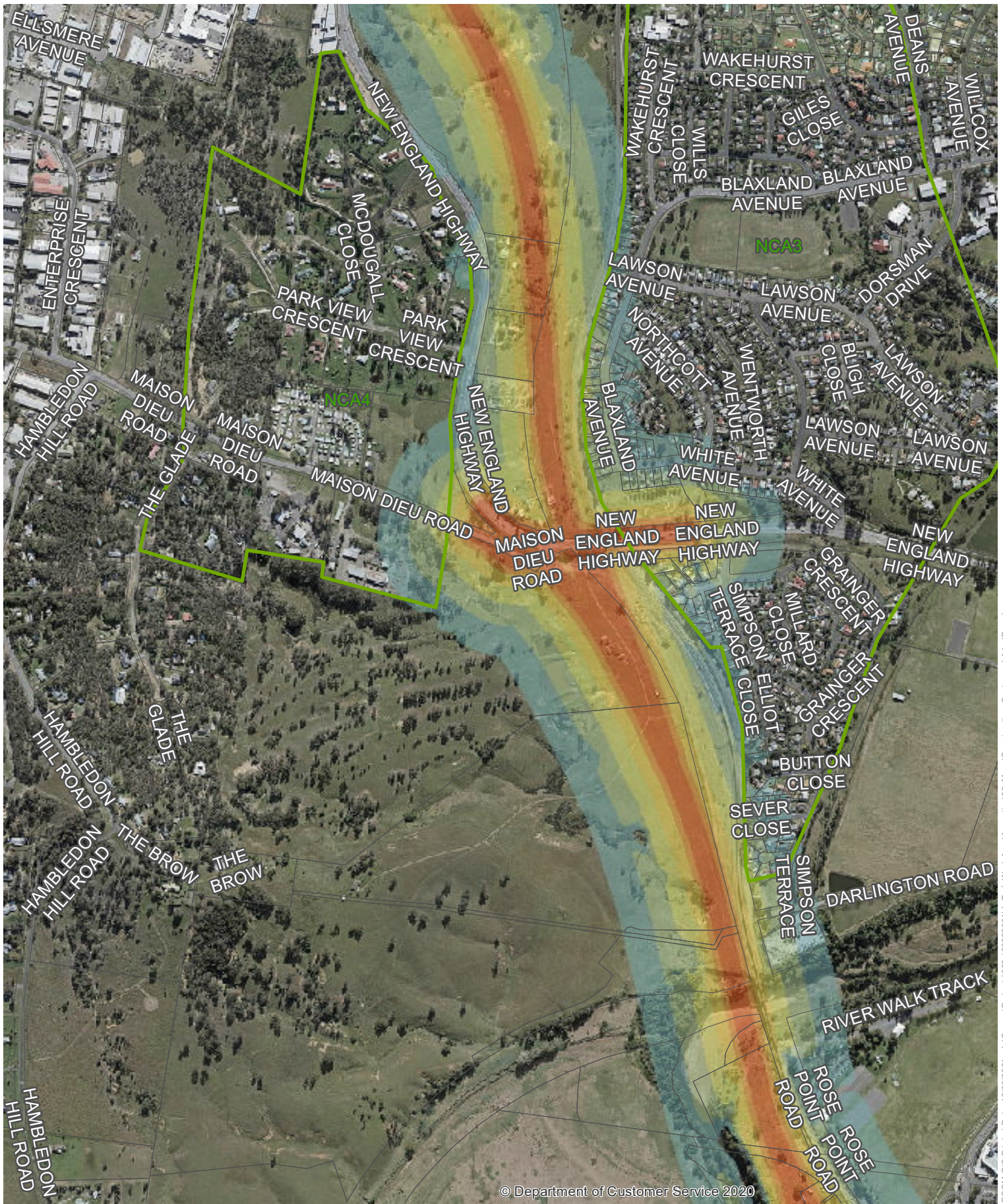
© Department of Customer Service 2020



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



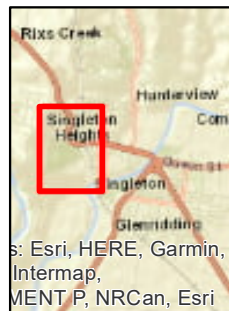
© Department of Customer Service 2020

Singleton Bypass - Sleep Disturbance Noise Contours
Finishing Works - Outside Standard Hours

Sound Pressure Level, LA_{1} dB(A)



 Noise Catchment Area



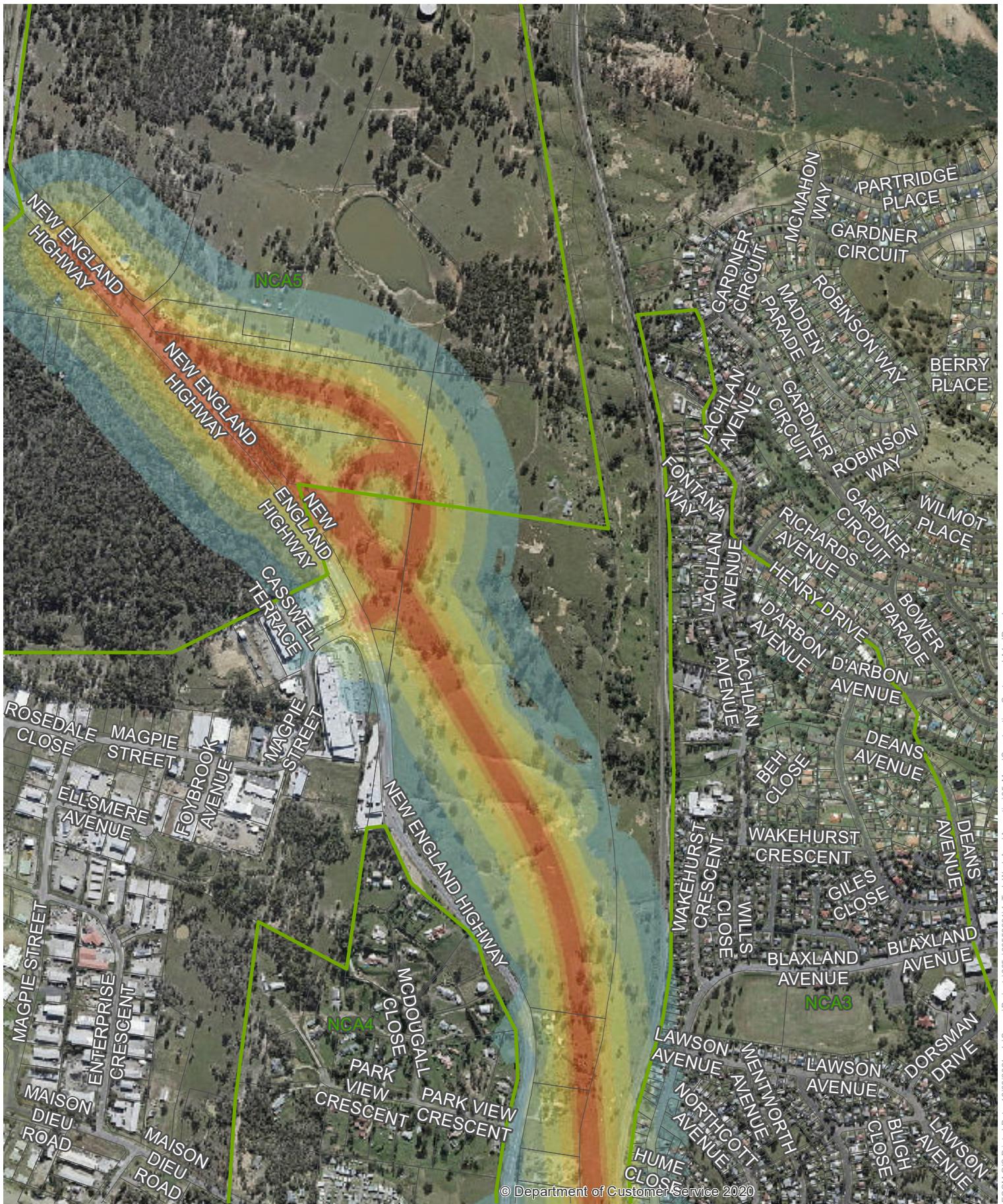
AECOM

Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

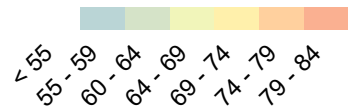
Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

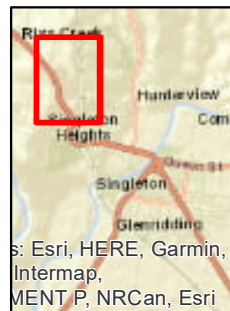


Singleton Bypass - Sleep Disturbance Noise Contours
Finishing Works - Outside Standard Hours

Sound Pressure Level, LA1 dB(A)



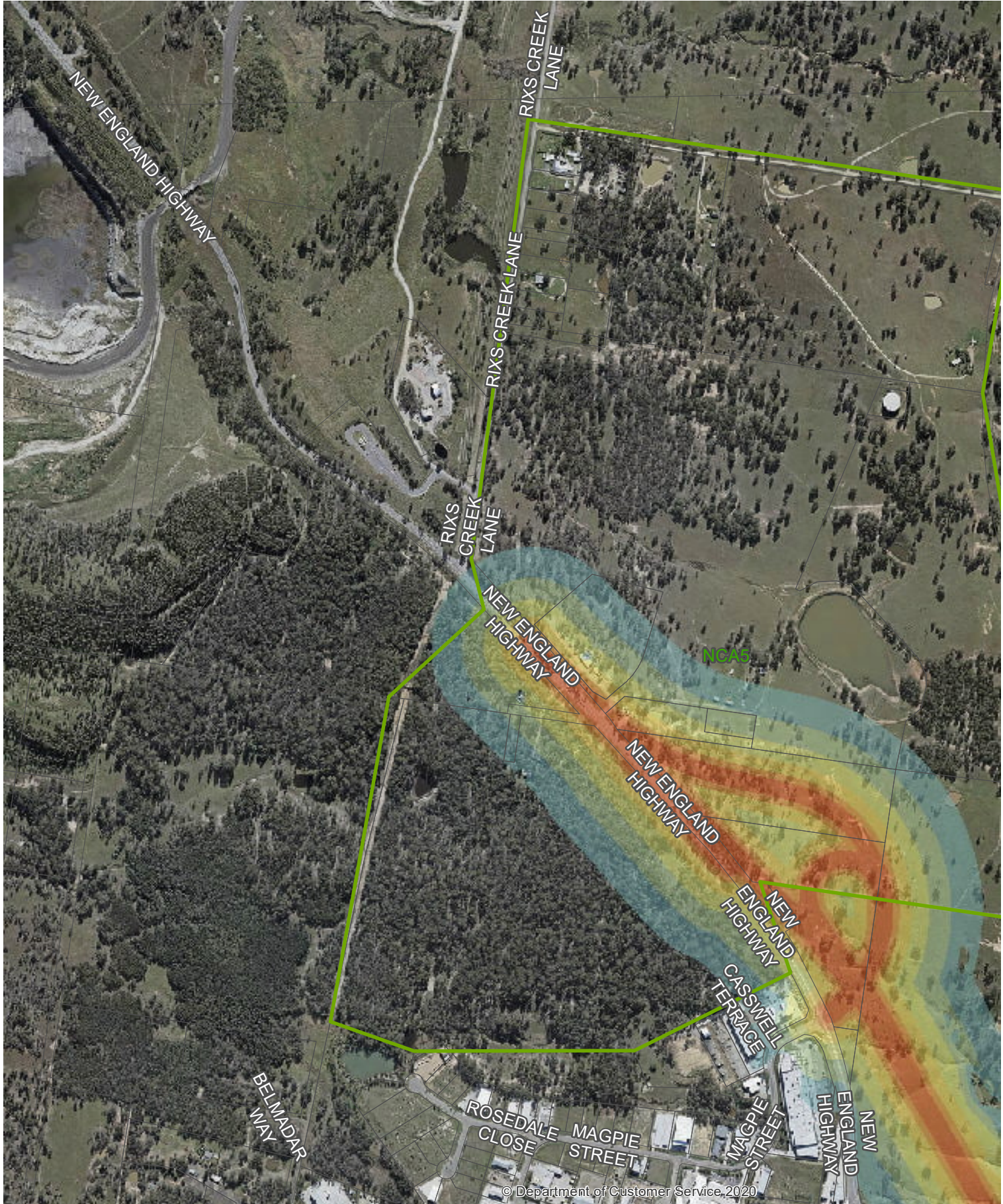
Noise Catchment Area



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

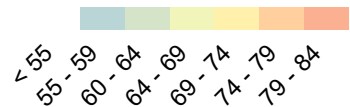
The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

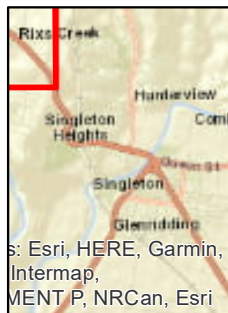


Singleton Bypass - Sleep Disturbance Noise Contours
Finishing Works - Outside Standard Hours

Sound Pressure Level, LA_1 dB(A)



 Noise Catchment Area



AECOM

Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
© Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).
AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

Appendix B

Traffic Noise Levels

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - No Noise Barrier									Exceedance of NCG Criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation			
			Criteria			Do Minimum			Design							Change		
			Day	Night		Day	Night		Day	Night						Day	Night	
1013	53 HAGGARTYS LANE WHITTINGHAM	Residential	60	55	51.1	48.1	48.1	50.7	48.1	-0.4	0.0	No	No	No	No			
1015	61 HAGGARTYS LANE WHITTINGHAM	Residential	60	55	49.8	46.8	49.2	46.7	-0.6	-0.1	No	No	No	No				
1020	4245 NEW ENGLAND HIGHWAY WHITTINGHAM	Residential	60	55	61.1	58.1	60.2	57.8	-0.9	-0.3	No	No	No	No				
1023	4244 NEW ENGLAND HIGHWAY WHITTINGHAM	Residential	60	55	68.4	65.4	67.5	65.0	-0.9	-0.4	No	No	No	No				
1027	18 CEMETERY LANE WHITTINGHAM	Residential	60	55	59.7	56.6	59.1	56.5	-0.6	-0.1	No	No	No	No				
1028	28 CEMETERY LANE WHITTINGHAM	Residential	60	55	56.6	53.6	56.6	54.0	0.0	0.4	No	No	No	No				
1029	13 HAGGARTYS LANE WHITTINGHAM	Residential	60	55	57.9	54.9	56.9	54.3	-1.0	-0.6	No	No	No	No				
1031	4253 NEW ENGLAND HIGHWAY WHITTINGHAM	Residential	60	55	74.0	71.0	73.1	70.6	-0.9	-0.4	No	No	No	No				
1032	4 HAGGARTYS LANE WHITTINGHAM	Residential	60	55	69.0	66.0	68.1	65.6	-0.9	-0.4	No	No	No	No				
1041	18 NEWINGTON LANE WHITTINGHAM	Residential	60	55	57.8	54.7	57.9	55.1	0.1	0.4	No	No	No	No				
1049	3 NEWINGTON LANE WHITTINGHAM	Residential	60	55	65.1	62.1	63.1	60.3	-2.0	-1.8	No	Yes	No	No				
1051	4339 NEW ENGLAND HIGHWAY WHITTINGHAM	Residential	55	50	55.3	52.3	60.7	57.9	5.4	5.6	Yes	No	No	Yes				
1055	48 MAITLAND ROAD SINGLETON	Residential	60	55	53.1	50.0	52.8	50.0	-0.3	0.0	No	No	No	No				
1073	18 ARDERSIER DRIVE SINGLETON	Residential	60	50	48.3	44.0	47.6	44.7	-0.7	0.7	No	No	No	No				
1075	19 ARDERSIER DRIVE SINGLETON	Residential	60	55	52.6	49.5	52.6	49.7	0.0	0.2	No	No	No	No				
1077	17 ARDERSIER DRIVE SINGLETON	Residential	60	55	47.0	43.8	46.5	43.5	-0.5	-0.3	No	No	No	No				
1081	20 ARDERSIER DRIVE SINGLETON	Residential	60	55	52.8	49.6	52.7	49.8	-0.1	0.2	No	No	No	No				
1083	4403 NEW ENGLAND HIGHWAY SINGLETON	Residential	60	55	67.6	64.6	61.8	58.5	-5.8	-6.1	Yes	No	No	Yes				
1085	16 ARDERSIER DRIVE SINGLETON	Residential	60	55	47.1	43.9	46.6	43.7	-0.5	-0.2	No	No	No	No				
1087	21 ARDERSIER DRIVE SINGLETON	Residential	60	55	53.6	50.5	53.2	50.3	-0.4	-0.2	No	No	No	No				
1089	15 ARDERSIER DRIVE SINGLETON	Residential	59	55	45.8	42.7	45.8	42.9	0.0	0.2	No	No	No	No				
1091	14 ARDERSIER DRIVE SINGLETON	Residential	58	55	45.1	41.9	45.1	42.3	0.0	0.4	No	No	No	No				
1093	22 ARDERSIER DRIVE SINGLETON	Residential	60	55	54.4	51.3	53.7	50.8	-0.7	-0.5	No	No	No	No				
1095	11 ARDERSIER DRIVE SINGLETON	Residential	58	55	44.7	41.4	44.3	41.4	-0.4	0.0	No	No	No	No				
1099	23 ARDERSIER DRIVE SINGLETON	Residential	60	55	55.0	51.9	54.1	51.1	-0.9	-0.8	No	No	No	No				
1101	13 ARDERSIER DRIVE SINGLETON	Residential	59	55	46.3	43.1	46.1	43.3	-0.2	0.2	No	No	No	No				
1103	9 ARDERSIER DRIVE SINGLETON	Residential	58	55	44.4	41.0	43.7	40.7	-0.7	-0.3	No	No	No	No				
1107	12 ARDERSIER DRIVE SINGLETON	Residential	59	55	45.7	42.4	45.6	42.7	-0.1	0.3	No	No	No	No				
1109	24 ARDERSIER DRIVE SINGLETON	Residential	60	55	54.7	51.6	53.6	50.7	-1.1	-0.9	No	No	No	No				
1111	8 ARDERSIER DRIVE SINGLETON	Residential	57	54	44.1	40.7	43.6	40.7	-0.5	0.0	No	No	No	No				
1113	10 ARDERSIER DRIVE SINGLETON	Residential	59	55	45.3	41.9	44.4	41.5	-0.9	-0.4	No	No	No	No				
1115	4 ARDERSIER DRIVE SINGLETON	Residential	57	54	43.6	40.2	43.1	40.2	-0.5	0.0	No	No	No	No				
1117	25 ARDERSIER DRIVE SINGLETON	Residential	60	55	56.7	53.5	55.2	52.3	-1.5	-1.2	No	No	No	No				
1119	7 ARDERSIER DRIVE SINGLETON	Residential	59	55	46.1	42.6	45.1	42.2	-1.0	-0.4	No	No	No	No				
1121	26 ARDERSIER DRIVE SINGLETON	Residential	60	55	49.7	46.3	49.4	46.6	-0.3	0.3	No	No	No	No				
1123	3 ARDERSIER DRIVE SINGLETON	Residential	58	55	44.3	40.9	44.1	41.2	-0.2	0.3	No	No	No	No				
1125	4 ARDERSIER DRIVE SINGLETON	Residential	59	55	45.4	41.9	44.1	41.2	-1.3	-0.7	No	No	No	No				
1129	6 ARDERSIER DRIVE SINGLETON	Residential	60	55	46.4	42.9	47.3	44.5	0.9	1.6	No	No	No	No				
1131	27 ARDERSIER DRIVE SINGLETON	Residential	60	55	47.6	44.1	46.8	43.9	-0.8	-0.2	No	No	No	No				
1133	28 ARDERSIER DRIVE SINGLETON	Residential	60	55	48.6	45.0	47.2	44.3	-1.4	-0.7	No	No	No	No				
1135	2 GASLIGHT PLACE SINGLETON	Residential	60	55	55.4	52.1	53.7	50.8	-1.7	-1.3	No	No	No	No				
1137	5 ARDERSIER DRIVE SINGLETON	Residential	60	55	46.9	43.3	46.0	43.1	-0.9	-0.2	No	No	No	No				
1139	28 GREENWOOD AVENUE SINGLETON	Residential	59	55	45.8	42.3	45.4	42.5	-0.4	0.2	No	No	No	No				
1141	3 ARDERSIER DRIVE SINGLETON	Residential	59	55	45.7	42.2	44.0	41.1	-1.7	-1.1	No	No	No	No				
1147	24 GREENWOOD AVENUE SINGLETON	Residential	57	54	43.9	40.5	44.3	41.5	0.4	1.0	No	No	No	No				
1149	7 GASLIGHT PLACE SINGLETON	Residential	60	55	47.4	43.9	48.9	46.2	1.5	2.3	No	No	No	No				
1151	3 GASLIGHT PLACE SINGLETON	Residential	60	55	53.7	50.2	52.2	49.3	-1.5	-0.9	No	No	No	No				
1155	3 ARDERSIER DRIVE SINGLETON	Residential	59	55	45.4	41.9	45.0	42.1	-0.4	0.2	No	No	No	No				
1159	22 GREENWOOD AVENUE SINGLETON	Residential	60	55	46.3	42.7	45.4	42.6	-0.9	-0.1	No	No	No	No				
1161	6 GASLIGHT PLACE SINGLETON	Residential	60	55	49.4	45.8	49.3	46.4	-0.1	0.6	No	No	No	No				
1163	2 ARDERSIER DRIVE SINGLETON	Residential	60	55	47.2	43.6	46.3	43.4	-0.9	-0.2	No	No	No	No				
1165	48 MAITLAND ROAD SINGLETON	Residential	60	55	59.4	56.1	57.1	54.2	-2.3	-1.9	No	No	No	No				
1167	1 ARDERSIER DRIVE SINGLETON	Residential	60	55	47.4	43.8	45.7	42.8	-1.7	-1.0	No	No	No	No				
1169	30 ARDERSIER DRIVE SINGLETON	Residential	60	55	50.5	46.9	50.2	47.4	-0.3	0.5	No	No	No	No				
1171	20 GREENWOOD AVENUE SINGLETON	Residential	60	55	46.5	42.9	44.6	41.7	-1.9	-1.2	No	No	No	No				
1173	18 GREENWOOD AVENUE SINGLETON	Residential	60	55	46.4	42.8	45.7	42.8	-0.7	0.0	No	No	No	No				
1177	16 GREENWOOD AVENUE SINGLETON	Residential	60	55	46.1	42.5	45.7	42.9	-0.4	0.4	No	No	No	No				
1179	31 ARDERSIER DRIVE SINGLETON	Residential	60	55	52.8	49.1	51.7	48.8	-1.1	-0.3	No	No	No	No				
1181	4 GASLIGHT PLACE SINGLETON	Residential	60	55	55.1	51.4	53.7	50.9	-1.4	-0.5	No	No	No	No				
1183	34 ARDERSIER DRIVE SINGLETON	Residential	60	55	51.2	47.6	50.2	47.4	-1.0	-0.2	No	No	No	No				
1185	33 ARDERSIER DRIVE SINGLETON	Residential	60	55	50.1	46.5	48.8	45.9	-1.3	-0.6	No	No	No	No				
1187	14 GREENWOOD AVENUE SINGLETON	Residential	60	55	47.5	43.9	46.6	43.7	-0.9	-0.2	No	No	No	No				
1189	32 ARDERSIER DRIVE SINGLETON	Residential	60	55	52.4	48.6	51.4	48.6	-1.0	0.0	No	No	No	No				
1191	35 ARDERSIER DRIVE SINGLETON	Residential	60	55	51.2	47.6	50.1	47.2	-1.1	-0.4	No	No	No	No				
1193	19 GREENWOOD AVENUE SINGLETON	Residential	60	55	54.3	50.6	52.3	49.4	-2.0	-1.2	No	No	No	No				
1195	12 GREENWOOD AVENUE SINGLETON	Residential	60	55	51.4	47.7	49.2	46.3	-2.2	-1.4	No	No	No	No				
1207	15 GREENWOOD AVENUE SINGLETON	Residential	60	55	52.4	48.7	50.4	47.5	-2.0	-1.2	No	No	No	No				
1211	9 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	64.6	61.0	61.2	58.2	-3.4	-2.8	No	No	No	No				
1213	40 MAITLAND ROAD SINGLETON	Residential	60	55	65.9	62.2	62.4	59.4	-3.5	-2.8	No	No	No	No				
1215	8 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	66.3	62.6	62.6	59.6	-3.7	-3.0	No	No	No	No				
1219	11 GREENWOOD AVENUE SINGLETON	Residential	60	55	56.3	52.6	53.3	50.3	-3.0	-2.3	No	No	No	No				
1221	7 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	66.3	62.6	62.6	59.6	-3.7	-3.0	No	No	No	No				
1225	6 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	67.1	63.4	63.5	60.5	-3.6	-2.9	No	No	No	No				
1229	10 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	55.9	52.5	54.7	51.8	-1.2	-0.7	No	No	No	No				
1231	36 MAITLAND ROAD SINGLETON	Residential	60	55	68.4	64.7	64.8	61.8	-3.6	-2.9	No	No	No	No				
1233	34 MAITLAND ROAD SINGLETON	Residential	60	55	66.9	63.1	63.3	60.3	-3.6	-2.8	No	No	No	No				
1235	35B WADDELLS LANE WHITTINGHAM	Residential	55	50	50.0	46.9	60.8	58.2	10.8	11.3	Yes	No	No	Yes				
1237	30 MAITLAND ROAD SINGLETON	Residential	60	55	68.8	65.0	65.2	62.2	-3.6	-2.8	No	No	No	No				
1239	5 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	56.2	52.6	53.9	51.1	-2.3	-1.5	No	No	No	No				
1241	12 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	54.2	50.8	53.9	51.1	-0.3	0.3	No	No	No	No				
1243	32 MAITLAND ROAD SINGLETON	Residential	60	55	68.5	64.8	65.0	62.0	-3.5	-2.8	No	No	No	No				
1245	4 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	62.0	58.3	58.5	55.5	-3.5	-2.8	No	No	No	No				
1247	13 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	53.1	49.8	53.7	50.9	0.6	1.1	No	No	No	No				
1251	2 FERGUSON CLOSE SINGLETON	Residential	60	55	52.8	49.1	51.0	48.1	-1.8	-1.0	No	No	No	No				
1253	1 FERGUSON CLOSE SINGLETON	Residential	60	55	57.0	53.3	53.7	50.7	-3.3	-2.6	No	No	No	No				
1255	14 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	52.3	49.0	53.3	50.6	1.0	1.6	No	No	No	No				
1257	109-129 KELSO STREET SINGLETON	School	52.5	100	48.7	45.7	55.8	53.1	7.1	7.4	Yes	No	No	Yes				
1259	15 TOWNHEAD CRESCENT SINGLETON	Residential	55	50	51.5	48.1	52.9	50.2	1.4	2.1	No	No	No	No				
1261	3 FERGUSON CLOSE SINGLETON	Residential	60	55	52.1	48.4	50.5	47.6	-1.6	-0.8	No	No	No	No				
1263	2 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	56.7	53.0	53.2	50.2	-3.5	-2.8	No	No	No	No				
1265	16 TOWNHEAD CRESCENT SINGLETON	Residential	55	50	50.8	47.4	52.6	49.8	1.8	2.4	No	No	No	No				
1267	4 FERGUSON CLOSE SINGLETON	Residential	60	55	50.3	46.6	49.6	46.8	-0.7	0.2	No	No	No	No				
1269	5 FERGUSON CLOSE SINGLETON	Residential	60	55	52.1	48.4	49.3	46.3	-2.8	-2.1	No	No	No	No				

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - No Noise Barrier									Exceedance of NCG Criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change						
			Day	Night	Day	Night	Day	Night	Day	Night					
1271	1 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	54.1	50.4	50.4	50.8	47.8	-3.3	-2.6	No	No	No	No
1273	109-129 KELSO STREET SINGLETON	School	52.5	100	42.9	39.4	52.6	49.9	9.7	10.5	Yes	No	No	Yes	
1275	109-129 KELSO STREET SINGLETON	School	52.5	100	47.9	44.8	55.6	53.0	7.7	8.2	Yes	No	No	Yes	
1277	109-129 KELSO STREET SINGLETON	School	52.5	100	48.9	45.3	48.7	45.9	-0.2	0.6	No	No	No	No	
1279	17 TOWNHEAD CRESCENT SINGLETON	Residential	55	50	50.0	46.7	52.1	49.2	2.1	2.5	No	No	No	No	
1281	109-129 KELSO STREET SINGLETON	School	52.5	100	44.7	41.4	54.4	51.8	9.7	10.4	Yes	No	No	Yes	
1283	109-129 KELSO STREET SINGLETON	School	52.5	100	44.5	41.1	48.5	45.8	4.0	4.7	No	No	No	No	
1285	109-129 KELSO STREET SINGLETON	School	52.5	100	42.0	38.5	48.7	45.9	6.7	7.4	No	No	No	No	
1287	109-129 KELSO STREET SINGLETON	School	52.5	100	41.4	38.0	49.4	46.7	8.0	8.7	No	No	No	No	
1289	20 WATERHOUSE AVENUE SINGLETON	Residential	60	55	54.5	50.8	51.6	48.6	-2.9	-2.2	No	No	No	No	
1291	22 WATERHOUSE AVENUE SINGLETON	Residential	60	55	52.0	48.3	49.7	46.8	-2.3	-1.5	No	No	No	No	
1293	24 WATERHOUSE AVENUE SINGLETON	Residential	60	55	50.2	46.5	48.8	45.9	-1.4	-0.6	No	No	No	No	
1295	26 WATERHOUSE AVENUE SINGLETON	Residential	60	55	49.4	43.0	48.3	45.4	-1.1	2.4	No	No	No	No	
1297	28 WATERHOUSE AVENUE SINGLETON	Residential	60	55	48.8	45.1	47.7	44.8	-1.1	-0.3	No	No	No	No	
1299	30 WATERHOUSE AVENUE SINGLETON	Residential	60	55	48.0	44.4	48.6	45.7	0.6	1.3	No	No	No	No	
1301	32 WATERHOUSE AVENUE SINGLETON	Residential	55	50	49.3	46.0	51.4	48.6	2.1	2.6	No	No	No	No	
1303	19 WATERHOUSE AVENUE SINGLETON	Residential	60	55	53.9	50.2	51.3	48.3	-2.6	-1.9	No	No	No	No	
1305	109-129 KELSO STREET SINGLETON	School	52.5	100	44.3	41.2	52.2	49.5	7.9	8.3	Yes	No	No	Yes	
1307	109-129 KELSO STREET SINGLETON	School	52.5	100	47.3	44.3	55.6	52.9	8.3	8.6	Yes	No	No	Yes	
1309	17 WATERHOUSE AVENUE SINGLETON	Residential	60	55	53.9	50.2	50.4	47.5	-3.5	-2.7	No	No	No	No	
1311	21 WATERHOUSE AVENUE SINGLETON	Residential	60	55	52.8	49.1	50.4	47.5	-2.4	-1.6	No	No	No	No	
1313	23 WATERHOUSE AVENUE SINGLETON	Residential	60	55	50.4	46.8	48.6	45.7	-1.8	-1.1	No	No	No	No	
1315	25 WATERHOUSE AVENUE SINGLETON	Residential	60	55	49.5	45.9	49.0	46.2	-0.5	0.3	No	No	No	No	
1317	21 WATERHOUSE AVENUE SINGLETON	Residential	60	55	46.8	43.1	47.4	44.6	0.6	1.5	No	No	No	No	
1319	21 WATERHOUSE AVENUE SINGLETON	Residential	55	50	44.1	40.4	46.5	43.8	2.4	3.4	No	No	No	No	
1320	72 KELSO STREET SINGLETON	Residential	55	50	47.8	44.5	50.0	47.2	2.2	2.7	No	No	No	No	
1321	29 WATERHOUSE AVENUE SINGLETON	Residential	60	55	48.0	44.4	49.2	46.5	1.2	2.1	No	No	No	No	
1322	31 WATERHOUSE AVENUE SINGLETON	Residential	55	50	47.8	44.3	49.2	46.5	1.4	2.2	No	No	No	No	
1323	27 WATERHOUSE AVENUE SINGLETON	Residential	60	55	47.7	44.0	48.5	45.6	0.8	1.6	No	No	No	No	
1324	70 KELSO STREET SINGLETON	Residential	55	50	47.4	44.1	49.8	47.0	2.4	2.9	No	No	No	No	
1325	2 ELLEN AVENUE SINGLETON	Residential	60	55	49.1	45.6	49.3	46.5	0.2	0.9	No	No	No	No	
1326	12 TULLOCH CLOSE SINGLETON	Residential	60	55	50.6	46.9	47.7	44.7	-2.9	-2.2	No	No	No	No	
1327	9 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	47.1	43.5	46.9	44.1	-0.2	0.6	No	No	No	No	
1328	6 ELLEN AVENUE SINGLETON	Residential	60	55	47.2	43.8	48.2	45.4	1.0	1.6	No	No	No	No	
1329	4 ELLEN AVENUE SINGLETON	Residential	60	55	48.3	44.8	48.9	46.1	0.6	1.3	No	No	No	No	
1330	11 BRITTLIFFE CLOSE SINGLETON	Residential	55	50	41.7	38.0	46.7	43.9	5.0	5.9	No	No	No	No	
1331	7 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	46.8	43.1	47.2	44.3	0.4	1.2	No	No	No	No	
1332	8 ELLEN AVENUE SINGLETON	Residential	55	50	49.2	45.7	51.4	48.7	2.2	3.0	No	No	No	No	
1333	10 ELLEN AVENUE SINGLETON	Residential	55	50	47.6	45.0	51.7	49.0	4.1	4.0	No	No	Yes	Yes	
1333	10 ELLEN AVENUE SINGLETON*	Residential	47	44	34.1	30.7	48.7	46.1	14.6	15.4	No	No	Yes	Yes	
1334	5 BRITTLIFFE CLOSE SINGLETON	Residential	58	55	44.6	41.0	46.6	43.8	2.0	2.8	No	No	No	No	
1335	68 KELSO STREET SINGLETON	Residential	55	50	47.1	43.8	49.2	46.3	2.1	2.5	No	No	No	No	
1336	14 ELLEN AVENUE SINGLETON	Residential	55	50	49.9	46.7	53.8	51.1	3.9	4.4	Yes	No	No	Yes	
1337	12 ELLEN AVENUE SINGLETON	Residential	55	50	48.2	44.9	52.3	49.6	4.1	4.7	No	No	No	No	
1338	1 BRITTLIFFE CLOSE SINGLETON	Residential	55	50	43.7	40.0	46.5	43.7	2.8	3.7	No	No	No	No	
1339	3 BRITTLIFFE CLOSE SINGLETON	Residential	59	55	45.7	42.2	46.7	43.9	1.0	1.7	No	No	No	No	
1340	16 ELLEN AVENUE SINGLETON	Residential	55	50	48.6	45.5	56.0	53.3	7.4	7.8	Yes	No	No	Yes	
1341	66 KELSO STREET SINGLETON	Residential	55	50	45.8	42.5	48.1	45.3	2.3	2.8	No	No	No	No	
1343	10 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	47.8	44.2	47.5	44.7	-0.3	0.5	No	No	No	No	
1344	3 ELLEN AVENUE SINGLETON	Residential	55	50	42.3	39.0	47.7	45.0	5.4	6.0	No	No	No	No	
1345	1 ELLEN AVENUE SINGLETON	Residential	55	50	46.1	42.6	47.5	44.8	1.4	2.2	No	No	No	No	
1346	8 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	47.0	43.4	47.0	44.1	0.0	0.7	No	No	No	No	
1347	6 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	46.8	43.2	47.0	44.1	0.2	0.9	No	No	No	No	
1348	4 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	46.2	42.6	46.7	43.9	0.5	1.3	No	No	No	No	
1349	103 KELSO STREET SINGLETON	Residential	58	50	40.9	37.5	45.4	42.6	4.5	5.1	No	No	No	No	
1351	5 ELLEN AVENUE SINGLETON	Residential	55	50	43.7	40.2	49.0	46.3	5.3	6.1	No	No	No	No	
1352	2 BRITTLIFFE CLOSE SINGLETON	Residential	59	55	46.1	42.5	47.0	44.2	0.9	1.7	No	No	No	No	
1353	64 KELSO STREET SINGLETON	Residential	55	50	45.3	42.0	48.1	45.2	2.8	3.2	No	No	No	No	
1354	7 ELLEN AVENUE SINGLETON	Residential	55	50	45.3	42.3	55.1	52.4	9.8	10.1	Yes	No	No	Yes	
1355	101 KELSO STREET SINGLETON	Residential	55	50	42.4	39.0	47.0	44.2	4.6	5.2	No	No	No	No	
1356	39 ADA STREET SINGLETON	Residential	55	50	44.0	40.9	51.2	48.5	7.2	7.6	No	No	No	No	
1357	44 ADA STREET SINGLETON	Residential	55	50	41.8	38.6	47.0	44.3	5.2	5.7	No	No	No	No	
1358	50 ORCHARD AVENUE SINGLETON	Residential	60	55	47.8	44.1	47.6	44.8	-0.2	0.7	No	No	No	No	
1359	62 KELSO STREET SINGLETON	Residential	55	50	44.3	40.9	48.1	45.3	3.8	4.4	No	No	No	No	
1360	99 KELSO STREET SINGLETON	Residential	55	50	43.0	39.6	47.2	44.4	4.2	4.8	No	No	No	No	
1361	35B WADDELLS LANE SINGLETON	Residential	55	50	46.4	43.4	60.5	57.9	14.1	14.5	Yes	No	No	Yes	
1362	12 WADDELLS AVENUE SINGLETON	Residential	55	50	47.4	44.3	55.5	52.9	8.1	8.6	Yes	No	No	Yes	
1363	37 ADA STREET SINGLETON	Residential	55	50	44.0	40.9	51.8	49.1	7.8	8.2	No	No	No	No	
1364	42 ADA STREET SINGLETON	Residential	55	50	42.2	38.9	47.2	44.4	5.0	5.5	No	No	No	No	
1365	52 ORCHARD AVENUE SINGLETON	Residential	60	55	46.6	43.1	46.7	43.8	0.1	0.7	No	No	No	No	
1366	54 ORCHARD AVENUE SINGLETON	Residential	55	50	43.2	39.5	47.5	44.8	4.3	5.3	No	No	No	No	
1367	60 KELSO STREET SINGLETON	Residential	55	50	44.1	40.8	48.7	45.9	4.6	5.1	No	No	No	No	
1368	35 ADA STREET SINGLETON	Residential	55	50	43.5	40.4	52.5	49.8	9.0	9.4	Yes	No	No	Yes	
1369	10 WADDELLS AVENUE SINGLETON	Residential	55	50	47.3	44.2	55.5	52.9	8.2	8.7	Yes	No	No	Yes	
1370	40 ADA STREET SINGLETON	Residential	55	50	41.8	38.6	48.6	45.8	6.8	7.2	No	No	No	No	
1371	97 KELSO STREET SINGLETON	Residential	55	50	42.5	39.2	47.4	44.6	4.9	5.4	No	No	No	No	
1372	95 KELSO STREET SINGLETON	Residential	55	50	41.7	38.1	47.7	45.0	6.0	6.9	No	No	No	No	
1373	8 WADDELLS AVENUE SINGLETON	Residential	55	50	45.0	42.2	54.9	52.3	9.9	10.1	Yes	No	No	Yes	
1374	47 ORCHARD AVENUE SINGLETON	Residential	60	55	47.2	43.6	47.5	44.6	0.3	1.0	No	No	No	No	
1375	33 ADA STREET SINGLETON	Residential	55	50	41.5	38.2	48.4	45.7	6.9	7.5	No	No	No	No	
1376	38 ADA STREET SINGLETON	Residential	54	50	40.9	37.7	49.3	46.5	8.4	8.8	No	No	No	No	
1377	49 ORCHARD AVENUE SINGLETON	Residential	60	55	46.7	43.0	47.0	44.1	0.3	1.1	No	No	No	No	
1378	51 ORCHARD AVENUE SINGLETON	Residential	60	55	46.3	42.7	47.1	44.2	0.8	1.5	No	No	No	No	
1379	58 KELSO STREET SINGLETON	Residential	55	50	42.9	39.6	47.7	44.9	4.8	5.3	No	No	No	No	
1380	6 WADDELLS AVENUE SINGLETON	Residential	55	50	45.4	42.3	54.9	52.3	9.5	10.0	Yes	No	No	Yes	
1381	63 BUCHAN AVENUE SINGLETON	Residential	55	50	41.6	38.1	47.5	44.7	5.9	6.6	No	No	No	No	
1382	36 ADA STREET SINGLETON	Residential	54	50	41.2	37.9	51.1	48.4	9.9	10.5	No	No	No	No	
1383	4 WADDELLS AVENUE SINGLETON	Residential	55	50	44.6	41.6	54.8	52.2	10.2	10.6	Yes	No	No	Yes	
1384	31 ADA STREET SINGLETON	Residential	53	50	39.2	35.7	50.5	47.8	11.3	12.1	No	No	No	No	
1385	61 BUCHAN AVENUE SINGLETON	Residential	53	50	40.3	37.0	47.8	45.1	7.5	8.1	No	No	No	No	
1386	56 KELSO STREET SINGLETON	Residential	55	50	42.9	39.6	47.6	44.8	4.7	5.2	No	No	No	No	
1387	59 BUCHAN AVENUE SINGLETON	Residential	55	50	42.3	38.8	48.2	45.4	5.9	6.6	No	No	No	No	
1388	85 KELSO STREET SINGLETON	Residential	54	50	40.1	36.7	44.6	41.8	4.5	5.1	No	No	No	No	

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - No Noise Barrier									Exceedance of NCG Criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation			
			Criteria			Do Minimum			Design							Change		
			Day	Night		Day	Night		Day	Night						Day	Night	
1389	2 WADDELLS AVENUE SINGLETON	Residential	55	50	44.6	41.5	54.7	52.0	10.1	10.5	Yes	No	No	Yes				
1390	85 KELSO STREET SINGLETON	Residential	54	50	41.2	38.0	51.8	49.1	10.6	11.1	No	No	Yes	Yes				
1390	85 KELSO STREET SINGLETON*	Residential	50	47	36.8	33.4	51.1	48.4	14.3	15.0	No	No	Yes	Yes				
1391	54 KELSO STREET SINGLETON	Residential	55	50	42.6	39.3	47.6	44.8	5.0	5.5	No	No	No	No				
1392	57 BUCHAN AVENUE SINGLETON	Residential	55	50	42.0	38.6	48.3	45.5	6.3	6.9	No	No	No	No				
1393	55 BUCHAN AVENUE SINGLETON	Residential	53	50	40.4	37.1	48.3	45.6	7.9	8.5	No	No	No	No				
1394	52 KELSO STREET SINGLETON	Residential	55	50	42.3	38.9	47.9	45.1	5.6	6.2	No	No	No	No				
1395	85 KELSO STREET SINGLETON	Residential	53	50	39.8	36.2	46.4	43.7	6.6	7.5	No	No	No	No				
1396	50 KELSO STREET SINGLETON	Residential	55	50	42.3	39.0	48.1	45.3	5.8	6.3	No	No	No	No				
1397	83 KELSO STREET SINGLETON	Residential	52	49	39.3	35.9	47.9	45.2	8.6	9.3	No	No	No	No				
1398	83 KELSO STREET SINGLETON	Residential	55	50	41.6	38.4	51.9	49.2	10.3	10.8	No	No	No	No				
1399	46 KELSO STREET SINGLETON	Residential	55	50	41.6	38.4	48.5	45.7	6.9	7.3	No	No	No	No				
1400	81 KELSO STREET SINGLETON	Residential	53	50	40.0	36.6	50.7	48.0	10.7	11.4	No	No	No	No				
1401	44 KELSO STREET SINGLETON	Residential	54	50	41.2	37.9	48.2	45.5	7.0	7.6	No	No	No	No				
1402	79 KELSO STREET SINGLETON	Residential	55	50	41.6	38.3	51.3	48.6	9.7	10.3	No	No	No	No				
1403	42 KELSO STREET SINGLETON	Residential	55	50	41.8	38.4	48.6	45.8	6.8	7.4	No	No	No	No				
1404	77 KELSO STREET SINGLETON	Residential	55	50	42.4	39.1	51.4	48.7	9.0	9.6	No	No	No	No				
1405	75 KELSO STREET SINGLETON	Residential	53	50	39.9	36.6	48.4	45.7	8.5	9.1	No	No	No	No				
1406	40 KELSO STREET SINGLETON	Residential	55	50	41.6	38.3	48.2	45.4	6.6	7.1	No	No	No	No				
1407	38 KELSO STREET SINGLETON	Residential	54	50	41.2	37.9	48.1	45.3	6.9	7.4	No	No	No	No				
1409	36 KELSO STREET SINGLETON	Residential	54	50	40.9	37.6	47.9	45.2	7.0	7.6	No	No	No	No				
1410	73 KELSO STREET SINGLETON	Residential	52	49	39.1	35.5	47.9	45.2	8.8	9.7	No	No	No	No				
1411	16 ADA STREET SINGLETON	Residential	55	50	42.9	39.7	52.0	49.3	9.1	9.6	No	No	No	No				
1412	71 KELSO STREET SINGLETON	Residential	53	50	39.4	36.1	49.7	47.0	10.3	10.9	No	No	No	No				
1413	34 KELSO STREET SINGLETON	Residential	54	50	40.6	37.4	47.7	45.0	7.1	7.6	No	No	No	No				
1414	14 ADA STREET SINGLETON	Residential	55	50	43.0	39.8	51.4	48.7	8.4	8.9	No	No	No	No				
1415	69 KELSO STREET SINGLETON	Residential	54	50	41.2	37.9	49.6	46.8	8.4	8.9	No	No	No	No				
1416	13 ADA STREET SINGLETON	Residential	55	50	43.0	39.9	53.7	51.1	10.7	11.2	Yes	No	No	Yes				
1417	2 DEAKIN AVENUE SINGLETON	Residential	53	50	39.7	36.1	46.4	43.6	6.7	7.5	No	No	No	No				
1418	12 ADA STREET SINGLETON	Residential	54	50	41.0	37.6	50.0	47.3	9.0	9.7	No	No	No	No				
1419	32A KELSO STREET SINGLETON	Residential	54	50	41.3	38.0	47.8	45.0	6.5	7.0	No	No	No	No				
1420	67 KELSO STREET SINGLETON	Residential	53	50	39.8	36.5	49.3	46.6	9.5	10.1	No	No	No	No				
1421	12 ADA STREET SINGLETON	Residential	53	50	39.6	36.3	48.7	46.0	9.1	9.7	No	No	No	No				
1422	11 ADA STREET SINGLETON	Residential	54	50	41.3	38.1	53.5	50.8	12.2	12.7	Yes	No	No	Yes				
1424	65 KELSO STREET SINGLETON	Residential	54	50	41.2	38.0	48.7	46.0	7.5	8.0	No	No	No	No				
1425	10 ADA STREET SINGLETON	Residential	55	50	41.9	38.8	50.9	48.2	9.0	9.4	No	No	No	No				
1426	9 ADA STREET SINGLETON	Residential	55	50	42.1	38.9	53.3	50.7	11.2	11.8	Yes	No	No	Yes				
1427	8 ADA STREET SINGLETON	Residential	54	50	41.4	38.3	50.5	47.8	9.1	9.5	No	No	No	No				
1428	15 ADA STREET SINGLETON	Residential	55	50	41.8	38.7	57.6	55.1	15.8	16.4	Yes	No	No	Yes				
1429	63 KELSO STREET SINGLETON	Residential	51	48	37.6	34.3	46.8	44.1	9.2	9.8	No	No	No	No				
1431	30 KELSO STREET SINGLETON	Residential	54	50	40.9	37.5	47.9	45.2	7.0	7.7	No	No	No	No				
1432	6 ADA STREET SINGLETON	Residential	54	50	40.8	37.7	49.4	46.7	8.6	9.0	No	No	No	No				
1433	4 ADA STREET SINGLETON	Residential	53	50	40.3	36.9	46.0	43.3	5.7	6.4	No	No	No	No				
1434	61 KELSO STREET SINGLETON	Residential	53	50	40.5	37.2	46.2	43.5	5.7	6.3	No	No	No	No				
1436	7 ADA STREET SINGLETON	Residential	55	50	41.7	38.6	52.8	50.1	11.1	11.5	Yes	No	No	Yes				
1437	4 ADA STREET SINGLETON	Residential	54	50	41.4	38.1	48.7	46.0	7.3	7.9	No	No	No	No				
1439	26 KELSO STREET SINGLETON	Residential	54	50	40.9	37.6	47.7	44.9	6.8	7.3	No	No	No	No				
1440	2 ADA STREET SINGLETON	Residential	53	50	40.5	37.3	48.4	45.7	7.9	8.4	No	No	No	No				
1441	5 ADA STREET SINGLETON	Residential	55	50	42.1	38.9	52.9	50.3	10.8	11.4	Yes	No	No	Yes				
1442	59 KELSO STREET SINGLETON	Residential	52	49	38.9	35.6	47.2	44.5	8.3	8.9	No	No	No	No				
1443	3 ADA STREET SINGLETON	Residential	51	48	37.9	34.7	51.6	48.9	13.7	14.2	No	No	Yes	Yes				
1444	57 KELSO STREET SINGLETON	Residential	53	50	39.7	36.4	47.4	44.6	7.7	8.2	No	No	No	No				
1445	6 BOND STREET SINGLETON	Residential	55	50	42.5	38.9	46.7	43.9	4.2	5.0	No	No	No	No				
1446	1A ADA STREET SINGLETON	Residential	53	50	40.6	37.5	52.3	49.6	11.7	12.1	No	No	No	No				
1447	4 BOND STREET SINGLETON	Residential	55	50	42.4	38.9	47.8	45.0	5.4	6.1	No	No	No	No				
1448	55 KELSO STREET SINGLETON	Residential	51	48	38.4	35.0	47.9	45.2	9.5	10.2	No	No	No	No				
1449	2 BOND STREET SINGLETON	Residential	53	50	40.1	36.8	49.3	46.6	9.2	9.8	No	No	No	No				
1452	53 KELSO STREET SINGLETON	Residential	51	48	38.6	35.4	47.9	45.2	9.3	9.8	No	No	No	No				
1454	51 KELSO STREET SINGLETON	Residential	52	49	39.0	35.8	47.6	44.9	8.6	9.1	No	No	No	No				
1455	1 ADA STREET SINGLETON	Residential	55	50	42.5	39.4	55.4	52.8	12.9	13.4	Yes	No	No	Yes				
1456	2 ROSE AVENUE SINGLETON	Residential	55	50	43.6	40.2	51.3	48.6	7.7	8.4	No	No	No	No				
1457	40 ANDREW STREET SINGLETON	Residential	52	49	39.4	36.1	48.6	45.9	9.2	9.8	No	No	No	No				
1458	6 ROSE AVENUE SINGLETON	Residential	55	50	44.3	40.9	51.8	49.1	7.5	8.2	No	No	No	No				
1459	4 ROSE AVENUE SINGLETON	Residential	55	50	43.1	39.8	49.7	47.0	6.6	7.2	No	No	No	No				
1460	38 ANDREW STREET SINGLETON	Residential	50	46	36.6	33.3	47.6	44.9	11.0	11.6	No	No	No	No				
1462	10 ROSE AVENUE SINGLETON	Residential	55	50	44.8	41.4	51.7	49.0	6.9	7.6	No	No	No	No				
1463	8 ROSE AVENUE SINGLETON	Residential	55	50	43.7	40.4	51.5	48.8	7.8	8.4	No	No	No	No				
1464	36 ANDREW STREET SINGLETON	Residential	49	46	36.4	33.0	47.6	44.9	11.2	11.9	No	No	No	No				
1465	12 ROSE AVENUE SINGLETON	Residential	55	50	45.3	41.9	52.8	50.1	7.5	8.2	Yes	No	No	Yes				
1466	16 ROSE AVENUE SINGLETON	Residential	55	50	44.4	41.1	51.6	48.9	7.2	7.8	No	No	Yes	Yes				
1466	16 ROSE AVENUE SINGLETON	Residential	49	46	36.3	32.8	50.2	47.5	13.9	14.7	No	No	Yes	Yes				
1467	14 ROSE AVENUE SINGLETON	Residential	55	50	44.6	41.2	52.5	49.8	7.9	8.6	Yes	No	No	Yes				
1468	18 ROSE AVENUE SINGLETON	Residential	55	50	44.1	40.7	51.7	49.0	7.6	8.3	No	No	Yes	Yes				
1468	18 ROSE AVENUE SINGLETON	Residential	49	46	36.2	32.7	49.2	46.5	13.0	13.8	No	No	Yes	Yes				
1469	20 ROSE AVENUE SINGLETON	Residential	55	50	42.3	38.9	51.1	48.4	8.8	9.5	No	No	Yes	Yes				
1469	20 ROSE AVENUE SINGLETON	Residential	50	47	37.3	33.8	50.0	47.3	12.7	13.5	No	No	Yes	Yes				
1470	13 RENSHAW AVENUE SINGLETON	Residential	54	50	41.3	38.1	55.9	53.3	14.6	15.2	Yes	No	No	Yes				
1471	35 ANDREW STREET SINGLETON	Residential	55	50	42.2	38.7	46.6	43.8	4.4	5.1	No	No	No	No				
1472	3 ROSE AVENUE SINGLETON	Residential	55	50	43.5	40.0	47.0	44.3	3.5	4.3	No	No	No	No				
1473	5 ROSE AVENUE SINGLETON	Residential	55	50	44.4	40.9	47.8	45.0	3.4	4.1	No	No	No	No				
1474	26 VIEW STREET SINGLETON	Residential	55	50	45.0	41.5	50.3	47.5	5.3	6.0	No	No	No	No				
1475	32 ANDREW STREET SINGLETON	Residential	51	48	38.0	34.7	47.1	44.4	9.1	9.7	No	No	No	No				
1476	1 RENSHAW AVENUE SINGLETON	Residential	53	49	39.9	36.7	55.8	53.2	15.9	16.5	Yes	No	No	Yes				
1477	32 ANDREW STREET SINGLETON	Residential	51	48	37.8	34.6	47.0	44.2	9.2	9.6	No	No	No	No				
1478	29 VIEW STREET SINGLETON	Residential	53	50	40.8	37.6	53.8	51.1	13.0	13.5	Yes	No	No	Yes				
1479	2 RENSHAW AVENUE SINGLETON	Residential	53	50	40.4	37.1	53.0	50.3	12.6	13.2	Yes	No	No	Yes				
1480	32 ANDREW STREET SINGLETON	Residential	49	46	36.6	33.3	46.8	44.1	10.2	10.8	No	No	No	No				
1482	33 ANDREW STREET SINGLETON	Residential	52	49	39.2	36.0	45.7	43.0	6.5	7.0	No	No	No	No				
1483	24 VIEW STREET SINGLETON	Residential	53	50	39.9	36.7	49.8	47.1	9.9	10.4	No	No	No	No				
1484	32 ANDREW STREET SINGLETON	Residential	50	47	37.4	34.2	46.7	44.0	9.3	9.8	No	No	No	No				
1485	3 RENSHAW AVENUE SINGLETON	Residential	52	48	38.9	35.7	55.7	53.0	16.8	17.3	No	No	Yes	Yes				
1486	30 ANDREW STREET SINGLETON	Residential	52	49	38.8	35.5	46.7	44.0	7.9	8.5	No	No	No	No				
1487	27 VIEW STREET SINGLETON	Residential	49	46	36.4	33.1	53.2	50.5	16.8	17.4	Yes	No	No	Yes				

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - No Noise Barrier										Exceedance of NCG Criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change							
			Day	Night	Day	Night	Day	Night	Day	Night						
1488	4 RENSHAW AVENUE SINGLETON	Residential	52	49	38.9	35.7	53.1	50.4	14.2	14.7	No	No	Yes	Yes		
1490	6 RENSHAW AVENUE SINGLETON	Residential	52	49	39.2	36.0	53.3	50.6	14.1	14.6	Yes	No	No	Yes		
1491	22 VIEW STREET SINGLETON	Residential	49	46	36.3	33.0	48.9	46.2	12.6	13.2	No	No	Yes	Yes		
1492	43 KELSO STREET SINGLETON	Residential	52	49	39.2	35.6	46.1	43.3	6.9	7.7	No	No	No	No		
1493	5 RENSHAW AVENUE SINGLETON	Residential	52	49	39.2	36.0	55.6	52.9	16.4	16.9	No	No	Yes	Yes		
1494	25 VIEW STREET SINGLETON	Residential	50	46	36.7	33.2	52.8	50.1	16.1	16.9	No	No	Yes	Yes		
1495	8 RENSHAW AVENUE SINGLETON	Residential	50	47	36.9	33.6	53.4	50.7	16.5	17.1	Yes	No	No	Yes		
1496	20 VIEW STREET SINGLETON	Residential	54	50	41.3	38.1	50.8	48.1	9.5	10.0	No	No	No	No		
1497	7 RENSHAW AVENUE SINGLETON	Residential	52	49	39.2	36.0	55.4	52.8	16.2	16.8	No	No	Yes	Yes		
1498	29 ANDREW STREET SINGLETON	Residential	52	49	38.9	35.6	46.2	43.5	7.3	7.9	No	No	No	No		
1499	23 VIEW STREET SINGLETON	Residential	50	47	37.5	34.1	53.5	50.8	16.0	16.7	Yes	No	No	Yes		
1500	10 RENSHAW AVENUE SINGLETON	Residential	51	48	38.5	35.3	53.7	51.0	15.2	15.7	No	No	Yes	Yes		
1501	36A VICTORIA STREET GLENRIDDING	Residential	53	50	39.9	36.7	59.6	57.0	19.7	20.3	Yes	No	No	Yes		
1502	9 RENSHAW AVENUE SINGLETON	Residential	53	50	40.0	36.8	55.1	52.5	15.1	15.7	Yes	No	No	Yes		
1503	18 VIEW STREET SINGLETON	Residential	53	50	40.0	36.9	50.7	48.0	10.7	11.1	No	No	No	No		
1504	21 VIEW STREET SINGLETON	Residential	51	47	37.9	34.6	53.9	51.2	16.0	16.6	Yes	No	No	Yes		
1505	28 ANDREW STREET SINGLETON	Residential	52	49	38.9	35.6	46.4	43.6	7.5	8.0	No	No	No	No		
1507	19 VIEW STREET SINGLETON	Residential	47	44	34.3	30.9	53.1	50.5	18.8	19.6	Yes	No	No	Yes		
1508	12 RENSHAW AVENUE SINGLETON	Residential	51	48	38.6	35.4	53.6	51.0	15.0	15.6	No	No	Yes	Yes		
1509	11 RENSHAW AVENUE SINGLETON	Residential	48	45	35.3	31.8	51.4	48.7	16.1	16.9	No	No	Yes	Yes		
1511	27 ANDREW STREET SINGLETON	Residential	53	50	39.8	36.5	47.0	44.2	7.2	7.7	No	No	No	No		
1512	16 VIEW STREET SINGLETON	Residential	53	50	40.4	37.2	51.1	48.4	10.7	11.2	No	No	No	No		
1513	26 ANDREW STREET SINGLETON	Residential	53	50	40.0	36.6	46.6	43.9	6.6	7.3	No	No	No	No		
1514	17 VIEW STREET SINGLETON	Residential	53	50	40.4	37.1	54.2	51.6	13.8	14.5	No	No	Yes	Yes		
1515	14 RENSHAW AVENUE SINGLETON	Residential	52	49	39.2	35.9	53.4	50.7	14.2	14.8	Yes	No	No	Yes		
1516	25 ANDREW STREET SINGLETON	Residential	53	50	40.4	37.1	48.1	45.3	7.7	8.2	No	No	No	No		
1517	14 VIEW STREET SINGLETON	Residential	53	50	40.1	36.9	51.1	48.4	11.0	11.5	No	No	No	No		
1518	22 RENSHAW AVENUE SINGLETON	Residential	52	49	39.7	36.5	56.0	53.4	16.3	16.9	Yes	No	No	Yes		
1519	20 RENSHAW AVENUE SINGLETON	Residential	53	50	39.5	36.1	52.2	49.6	12.7	13.5	No	No	Yes	Yes		
1520	18 RENSHAW AVENUE SINGLETON	Residential	52	49	39.3	36.0	51.3	48.6	12.0	12.6	No	No	Yes	Yes		
1520	18 RENSHAW AVENUE SINGLETON	Residential	48	45	35.8	32.3	50.5	47.8	14.7	15.5	No	No	Yes	Yes		
1521	15 VIEW STREET SINGLETON	Residential	53	50	40.5	37.2	54.2	51.6	13.7	14.4	Yes	No	No	Yes		
1522	23 ANDREW STREET SINGLETON	Residential	52	49	38.9	35.6	48.1	45.3	9.2	9.7	No	No	No	No		
1523	24 ANDREW STREET SINGLETON	Residential	51	48	38.5	35.2	45.3	42.5	6.8	7.3	No	No	No	No		
1524	16 RENSHAW AVENUE SINGLETON	Residential	55	50	41.7	38.4	55.3	52.6	13.6	14.2	No	No	Yes	Yes		
1525	12 VIEW STREET SINGLETON	Residential	52	49	38.9	35.8	49.0	46.2	10.1	10.4	No	No	No	No		
1526	13 VIEW STREET SINGLETON	Residential	52	48	38.9	35.8	54.0	51.3	15.1	15.5	Yes	No	No	Yes		
1527	12 RAILWAY STREET SINGLETON	Residential	52	48	38.9	35.7	55.4	52.7	16.5	17.0	Yes	No	No	Yes		
1528	21 ANDREW STREET SINGLETON	Residential	49	46	36.7	33.4	47.5	44.8	10.8	11.4	No	No	No	No		
1529	22 ANDREW STREET SINGLETON	Residential	52	49	39.2	35.9	46.3	43.6	7.1	7.7	No	No	No	No		
1530	20 ANDREW STREET SINGLETON	Residential	51	48	38.4	35.1	46.2	43.5	7.8	8.4	No	No	No	No		
1531	10 VIEW STREET SINGLETON	Residential	52	49	38.9	35.6	49.5	46.8	10.6	11.2	No	No	No	No		
1532	10 RAILWAY STREET SINGLETON	Residential	51	48	38.6	35.1	55.5	52.8	16.9	17.7	Yes	No	No	Yes		
1533	11 VIEW STREET SINGLETON	Residential	53	50	40.4	37.2	54.6	52.0	14.2	14.8	Yes	No	No	Yes		
1534	19 ANDREW STREET SINGLETON	Residential	51	48	38.6	35.4	47.7	45.0	9.1	9.6	No	No	No	No		
1535	8 VIEW STREET SINGLETON	Residential	51	48	38.7	35.4	49.6	46.9	10.9	11.5	No	No	No	No		
1536	17 ANDREW STREET SINGLETON	Residential	49	46	36.2	32.8	47.4	44.6	11.2	11.8	No	No	No	No		
1537	18 ANDREW STREET SINGLETON	Residential	51	48	38.2	34.9	46.2	43.4	8.0	8.5	No	No	No	No		
1538	8B RAILWAY STREET SINGLETON	Residential	52	49	39.4	36.1	54.5	51.9	15.1	15.8	Yes	No	No	Yes		
1539	9 VIEW STREET SINGLETON	Residential	50	47	37.4	34.0	53.8	51.1	16.4	17.1	Yes	No	No	Yes		
1540	6 VIEW STREET SINGLETON	Residential	50	47	37.7	34.3	48.9	46.2	11.2	11.9	No	No	No	No		
1542	8 RAILWAY STREET SINGLETON	Residential	51	47	37.9	34.5	54.9	52.2	17.0	17.7	Yes	No	No	Yes		
1543	7 VIEW STREET SINGLETON	Residential	49	46	35.8	32.5	53.1	50.4	17.3	17.9	No	No	Yes	Yes		
1544	16 ANDREW STREET SINGLETON	Residential	50	47	37.6	34.3	46.4	43.7	8.8	9.4	No	No	No	No		
1545	15 ANDREW STREET SINGLETON	Residential	51	48	38.1	34.8	47.3	44.6	9.2	9.8	No	No	No	No		
1549	2 SCOTT STREET SINGLETON	Residential	50	47	37.9	34.4	54.8	52.1	16.9	17.7	No	No	Yes	Yes		
1550	5 VIEW STREET SINGLETON	Residential	52	49	39.6	36.3	54.3	51.7	14.7	15.4	Yes	No	No	Yes		
1553	4 VIEW STREET SINGLETON	Residential	49	46	36.2	32.8	48.4	45.7	12.2	12.9	No	No	No	No		
1555	3A VIEW STREET SINGLETON	Residential	50	47	37.2	33.7	53.7	51.0	16.5	17.3	Yes	No	No	Yes		
1556	13 ANDREW STREET SINGLETON	Residential	51	48	38.3	34.8	47.0	44.2	8.7	9.4	No	No	No	No		
1558	14A ANDREW STREET SINGLETON	Residential	51	48	38.4	35.0	46.0	43.3	7.6	8.3	No	No	No	No		
1559	2 SCOTT STREET SINGLETON	Residential	51	48	38.8	35.3	54.8	52.1	16.0	16.8	No	No	Yes	Yes		
1560	3 VIEW STREET SINGLETON	Residential	50	47	37.7	34.3	54.2	51.6	16.5	17.3	Yes	No	No	Yes		
1561	2A VIEW STREET SINGLETON	Residential	49	45	36.0	32.7	49.4	46.7	13.4	14.0	No	No	Yes	Yes		
1562	14 ANDREW STREET SINGLETON	Residential	51	48	38.0	34.6	46.9	44.1	8.9	9.5	No	No	No	No		
1563	2 VIEW STREET SINGLETON	Residential	51	48	38.9	35.4	50.5	47.8	11.6	12.4	No	No	Yes	Yes		
1564	9-11 ANDREW STREET SINGLETON	Residential	50	46	37.3	33.8	47.1	44.4	9.8	10.6	No	No	No	No		
1565	32-33 VICTORIA STREET GLENRIDDING	Residential	50	47	37.5	34.1	54.5	51.8	17.0	17.7	Yes	No	No	Yes		
1566	12 ANDREW STREET SINGLETON	Residential	51	48	38.3	34.0	47.0	44.2	8.7	10.2	No	No	No	No		
1568	68 CHURCH STREET SINGLETON	Residential	48	45	35.6	32.2	47.5	44.8	11.9	12.6	No	No	Yes	Yes		
1569	70 CHURCH STREET SINGLETON	Residential	50	47	37.2	33.7	50.2	47.5	13.0	13.8	No	No	Yes	Yes		
1570	66 CHURCH STREET SINGLETON	Residential	50	47	37.0	33.6	47.1	44.4	10.1	10.8	No	No	No	No		
1572	55 CHURCH STREET GLENRIDDING	Residential	48	45	35.9	32.4	57.1	54.5	21.2	22.1	Yes	No	No	Yes		
1573	64 CHURCH STREET SINGLETON	Residential	49	46	36.8	33.3	45.9	43.2	9.1	9.9	No	No	No	No		
1575	56 CHURCH STREET SINGLETON	Residential	51	47	38.2	34.7	47.4	44.7	9.2	10.0	No	No	No	No		
1576	60 CHURCH STREET SINGLETON	Residential	51	48	38.4	34.9	47.3	44.5	8.9	9.6	No	No	No	No		
1577	62 CHURCH STREET SINGLETON	Residential	51	47	37.9	34.3	46.1	43.3	8.2	9.0	No	No	No	No		
1578	31 VICTORIA STREET GLENRIDDING	Residential	50	46	37.2	33.7	54.2	51.6	17.0	17.9	No	No	Yes	Yes		
1580	56 CHURCH STREET SINGLETON	Residential	50	47	38.1	34.5	47.5	44.8	9.4	10.3	No	No	No	No		
1582	47 CHURCH STREET SINGLETON	Residential	51	47	38.2	34.7	52.3	49.6	14.1	14.9	No	No	Yes	Yes		
1584	30 VICTORIA STREET GLENRIDDING	Residential	49	46	36.7	33.2	53.5	50.9	16.8	17.7	No	No	Yes	Yes		
1585	43 CHURCH STREET SINGLETON	Residential	51	47	38.3	34.8	50.7	48.0	12.4	13.2	No	No	Yes	Yes		
1586	45 CHURCH STREET SINGLETON	Residential	52	48	39.2	35.7	51.1	48.4	11.9	12.7	No	No	Yes	Yes		
1588	41 CHURCH STREET SINGLETON	Residential	50	47	37.2	33.7	46.3	43.6	9.1	9.9	No	No	No	No		
1589	39A CHURCH STREET SINGLETON	Residential	51	47	38.3	34.8	49.2	46.5	10.9	11.7	No	No	No	No		
1591	29 VICTORIA STREET GLENRIDDING	Residential	50	46	37.4	33.9	53.6	50.9	16.2	17.0	No	No	Yes	Yes		
1592	37 CHURCH STREET SINGLETON	Residential	52	49	39.0	35.4	48.9	46.2	9.9	10.8	No	No	No	No		
1593	41 CHURCH STREET SINGLETON	Residential	52	48	39.2	35.6	51.0	48.3	11.8	12.7	No	No	Yes	Yes		
1594	35 CHURCH STREET SINGLETON	Residential	50	47	37.0	33.6	48.3	45.5	11.3	11.9	No	No	No	No		
1595	28 VICTORIA STREET GLENRIDDING	Residential	50	47	38.0	34.5	53.8	51.1	15.8	16.6	Yes	No	No	Yes		
1597	30 CARRINGTON STREET GLENRIDDING	Residential	51	48	39.0	35.5	57.8	55.2	18.8	19.7	Yes	No	No	Yes		
1598	17 KELSO STREET SINGLETON	Residential	51	48	37.9	34.4	47.8	45.1	9.9	10.7	No	No	No	No		
1599	27 VICTORIA STREET GLENRIDDING	Residential	47	44	34.8	31.3	52.7	50.0	17.9	18.7	No	No	Yes	Yes		

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - No Noise Barrier										Exceedance of NCG Criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change							
			Day	Night	Day	Night	Day	Night	Day	Night						
1600	8 ANDREW STREET SINGLETON	Residential	52	48	38.7	35.1	48.8	46.1	10.1	11.0	No	No	No	No		
1601	26 VICTORIA STREET GLENRIDGING	Residential	51	48	39.0	35.5	54.0	51.3	15.0	15.8	No	No	Yes	Yes		
1602	6 ANDREW STREET SINGLETON	Residential	50	47	37.4	33.9	48.7	46.0	11.3	12.1	No	No	No	No		
1603	1 ANDREW STREET SINGLETON	Residential	51	48	38.0	34.4	50.5	47.8	12.5	13.4	No	No	Yes	Yes		
1605	15 KELSO STREET SINGLETON	Residential	50	47	37.3	33.8	48.2	45.5	10.9	11.7	No	No	No	No		
1606	25 VICTORIA STREET GLENRIDGING	Residential	52	48	39.4	35.8	53.7	51.0	14.3	15.2	Yes	No	No	Yes		
1607	13 KELSO STREET SINGLETON	Residential	49	46	36.2	32.7	48.6	45.9	12.4	13.2	No	No	Yes	Yes		
1608	11 KELSO STREET SINGLETON	Residential	50	47	37.1	33.6	48.7	46.0	11.6	12.4	No	No	No	No		
1609	23 VICTORIA STREET GLENRIDGING	Residential	51	48	39.0	35.5	53.5	50.8	14.5	15.3	Yes	No	No	Yes		
1610	4 ANDREW STREET SINGLETON	Residential	50	47	37.0	33.5	49.4	46.7	12.4	13.2	No	No	No	No		
1611	9 KELSO STREET SINGLETON	Residential	49	46	36.6	33.0	48.3	45.6	11.7	12.6	No	No	No	No		
1614	7 KELSO STREET SINGLETON	Residential	50	47	37.3	33.8	48.9	46.2	11.6	12.4	No	No	No	No		
1615	2 ANDREW STREET SINGLETON	Residential	49	45	35.8	32.3	49.4	46.7	13.6	14.4	No	No	Yes	Yes		
1616	5 KELSO STREET SINGLETON	Residential	52	48	38.7	35.2	49.2	46.5	10.5	11.3	No	No	No	No		
1620	3 KELSO STREET SINGLETON	Residential	51	47	37.9	34.4	48.8	46.1	10.9	11.7	No	No	No	No		
1622	10 CROWN STREET GLENRIDGING	Residential	52	48	39.5	36.0	56.4	53.7	16.9	17.7	Yes	No	No	Yes		
1623	35 CARRINGTON STREET GLENRIDGING	Residential	53	49	40.3	36.8	56.8	54.2	16.5	17.4	Yes	No	No	Yes		
1626	48 ARMY CAMP ROAD GLENRIDGING	Residential	55	50	45.7	42.2	54.4	51.8	8.7	9.6	Yes	No	No	Yes		
1630	8 KELSO STREET SINGLETON	Residential	50	47	37.2	33.6	48.8	46.1	11.6	12.5	No	No	No	No		
1633	13 CROWN STREET GLENRIDGING	Residential	54	50	42.1	38.6	60.4	57.9	18.3	19.3	Yes	No	No	Yes		
1634	19 VICTORIA STREET GLENRIDGING	Residential	51	47	38.4	34.9	52.5	49.8	14.1	14.9	No	No	Yes	Yes		
1635	9 CROWN STREET GLENRIDGING	Residential	52	48	39.7	36.2	55.5	52.8	15.8	16.6	Yes	No	No	Yes		
1636	33 CARRINGTON STREET GLENRIDGING	Residential	54	50	41.5	38.0	57.9	55.3	16.4	17.3	Yes	No	No	Yes		
1637	16 VICTORIA STREET GLENRIDGING	Residential	52	49	40.1	36.6	55.0	52.3	14.9	15.7	No	No	Yes	Yes		
1638	9 ALBERT STREET SINGLETON	Residential	51	47	37.5	33.9	47.2	44.5	9.7	10.6	No	No	No	No		
1639	16 ALBERT STREET SINGLETON	Residential	51	48	38.0	34.4	48.2	45.4	10.2	11.0	No	No	No	No		
1640	18 VICTORIA STREET GLENRIDGING	Residential	53	49	40.3	36.8	53.2	50.5	12.9	13.7	No	No	Yes	Yes		
1641	7 ALBERT STREET SINGLETON	Residential	50	46	36.9	33.3	48.3	45.5	11.4	12.2	No	No	No	No		
1642	16 ALBERT STREET SINGLETON	Residential	52	49	38.7	35.2	46.9	44.1	8.2	8.9	No	No	No	No		
1647	5 ALBERT STREET SINGLETON	Residential	50	46	36.8	33.2	48.3	45.6	11.5	12.4	No	No	No	No		
1648	29 CARRINGTON STREET GLENRIDGING	Residential	55	50	42.3	38.8	58.1	55.5	15.8	16.7	No	No	Yes	Yes		
1649	13 WYNARD STREET SINGLETON	Residential	50	47	37.2	33.7	48.0	45.3	10.8	11.6	No	No	No	No		
1650	3 ALBERT STREET SINGLETON	Residential	50	46	37.0	33.5	48.8	46.1	11.8	12.6	No	No	Yes	Yes		
1651	13 WYNARD STREET SINGLETON	Residential	52	49	39.7	36.2	48.0	45.2	8.3	9.0	No	No	No	No		
1653	1A ALBERT STREET SINGLETON	Residential	50	47	37.5	33.9	49.0	46.3	11.5	12.4	No	No	No	No		
1654	12 ALBERT STREET SINGLETON	Residential	51	47	37.9	34.3	48.7	46.0	10.8	11.7	No	No	No	No		
1658	15 VICTORIA STREET GLENRIDGING	Residential	100	100	38.2	34.5	51.0	48.3	12.8	13.8	No	No	Yes	Yes		
1659	25 CARRINGTON STREET GLENRIDGING	Residential	55	50	42.8	39.3	57.9	55.3	15.1	16.0	Yes	No	No	Yes		
1660	10 ALBERT STREET SINGLETON	Residential	51	48	38.2	34.6	48.9	46.2	10.7	11.6	No	No	No	No		
1662	1 ALBERT STREET SINGLETON	Residential	50	47	37.4	33.9	49.9	47.2	12.5	13.3	No	No	Yes	Yes		
1664	8 ALBERT STREET SINGLETON	Residential	51	47	37.9	34.3	49.2	46.5	11.3	12.2	No	No	No	No		
1666	4 KELSO STREET SINGLETON	Residential	49	46	36.5	32.9	49.6	46.9	13.1	14.0	No	No	Yes	Yes		
1667	2 KELSO STREET SINGLETON	Residential	51	48	41.2	37.7	51.9	49.2	10.7	11.5	No	No	Yes	Yes		
1668	3 RAWCLIFFE STREET SINGLETON	Residential	54	50	41.3	37.8	49.4	46.7	8.1	8.9	No	No	No	No		
1671	21 CARRINGTON STREET GLENRIDGING	Residential	55	50	42.7	39.1	57.5	54.9	14.8	15.8	Yes	No	No	Yes		
1672	6 ALBERT STREET SINGLETON	Residential	50	47	37.9	34.3	49.3	46.5	11.4	12.2	No	No	No	No		
1675	19 CARRINGTON STREET GLENRIDGING	Residential	54	50	41.7	38.2	57.6	55.0	15.9	16.8	Yes	No	No	Yes		
1677	15 CARRINGTON STREET GLENRIDGING	Residential	55	50	44.3	40.8	59.4	56.9	15.1	16.1	Yes	No	No	Yes		
1678	4 ALBERT STREET SINGLETON	Residential	52	48	39.3	35.7	50.4	47.7	11.1	12.0	No	No	No	No		
1681	7 RAWCLIFFE STREET SINGLETON	Residential	52	48	39.2	35.7	48.0	45.3	8.8	9.6	No	No	No	No		
1682	9 WYNARD STREET SINGLETON	Residential	50	46	37.1	33.6	48.9	46.3	11.8	12.7	No	No	Yes	Yes		
1684	9 WYNARD STREET SINGLETON	Residential	50	47	37.9	34.3	49.9	47.2	12.0	12.9	No	No	Yes	Yes		
1685	13 CARRINGTON STREET GLENRIDGING	Residential	55	50	47.0	43.5	59.0	56.4	12.0	12.9	Yes	No	No	Yes		
1686	9 WYNARD STREET SINGLETON	Residential	51	48	38.6	35.0	50.6	47.9	12.0	12.9	No	No	Yes	Yes		
1687	14 CARRINGTON STREET GLENRIDGING	Residential	54	50	41.9	38.4	56.0	53.4	14.1	15.0	Yes	No	No	Yes		
1688	12 VICTORIA STREET GLENRIDGING	Residential	55	50	42.6	39.1	54.7	52.0	12.1	12.9	Yes	No	No	Yes		
1689	9 WYNARD STREET SINGLETON	Residential	52	49	39.6	36.1	51.2	48.5	11.6	12.4	No	No	No	No		
1690	75 PUTTY ROAD GLENRIDGING	Residential	60	55	65.7	62.2	68.9	66.5	3.2	4.3	Yes	No	No	Yes		
1692	12 CARRINGTON STREET GLENRIDGING	Residential	55	50	43.2	39.7	56.5	53.9	13.3	14.2	Yes	No	No	Yes		
1693	32 GLENRIDGING ROAD GLENRIDGING	Residential	55	50	56.1	52.6	62.6	60.1	6.5	7.5	Yes	No	No	Yes		
1694	7 RAWCLIFFE STREET SINGLETON	Residential	53	49	40.6	37.1	49.1	46.3	8.5	9.2	No	No	No	No		
1695	10 CARRINGTON STREET GLENRIDGING	Residential	55	50	42.6	39.1	56.6	54.0	14.0	14.9	Yes	No	No	Yes		
1698	7 CARRINGTON STREET GLENRIDGING	Residential	55	50	45.3	41.8	60.5	58.0	15.2	16.2	Yes	No	No	Yes		
1700	69 BATHURST STREET SINGLETON	Residential	51	48	38.3	34.7	50.9	48.3	12.6	13.6	No	No	Yes	Yes		
1701	8 CARRINGTON STREET GLENRIDGING	Residential	55	50	44.3	40.8	57.8	55.2	13.5	14.4	Yes	No	No	Yes		
1703	5 CARRINGTON STREET GLENRIDGING	Residential	55	50	48.0	44.5	60.8	58.2	12.8	13.7	Yes	No	No	Yes		
1705	8 MUNRO LANE SINGLETON	Residential	53	49	40.1	36.6	52.6	49.9	12.5	13.3	No	No	Yes	Yes		
1706	6 CARRINGTON STREET GLENRIDGING	Residential	55	50	49.8	46.3	58.8	56.2	9.0	9.9	Yes	No	No	Yes		
1708	3 CARRINGTON STREET GLENRIDGING	Residential	55	50	54.0	50.5	62.4	60.0	8.4	9.5	Yes	No	No	Yes		
1709	7 WYNARD STREET SINGLETON	Residential	50	47	37.3	33.8	50.7	48.0	13.4	14.2	No	No	Yes	Yes		
1711	9 VICTORIA STREET GLENRIDGING	Residential	55	50	43.6	40.1	54.1	51.4	10.5	11.3	Yes	No	No	Yes		
1713	7 WYNARD STREET SINGLETON	Residential	51	48	38.9	35.3	50.3	47.6	11.4	12.3	No	No	No	No		
1714	8 VICTORIA STREET GLENRIDGING	Residential	55	50	42.5	39.0	53.7	51.1	11.2	12.1	Yes	No	No	Yes		
1715	67 BATHURST STREET SINGLETON	Residential	51	48	38.4	34.8	49.1	46.4	10.7	11.6	No	No	No	No		
1717	5 WYNARD STREET SINGLETON	Residential	52	49	39.6	36.0	51.6	48.9	12.0	12.9	No	No	Yes	Yes		
1719	65 BATHURST STREET SINGLETON	Residential	53	49	40.7	37.2	48.4	45.6	7.7	8.4	No	No	No	No		
1721	3 WYNARD STREET SINGLETON	Residential	52	49	39.6	36.1	52.1	49.5	12.5	13.4	No	No	Yes	Yes		
1722	7 VICTORIA STREET GLENRIDGING	Residential	55	50	44.7	41.2	54.5	51.8	9.8	10.6	Yes	No	No	Yes		
1723	63 BATHURST STREET SINGLETON	Residential	53	50	41.2	37.6	49.0	46.3	7.8	8.7	No	No	No	No		
1724	1 WYNARD STREET SINGLETON	Residential	53	50	40.6	37.1	52.8	50.1	12.2	13.0	Yes	No	No	Yes		
1725	8 WYNARD STREET SINGLETON	Residential	51	48	38.7	35.1	49.5	46.8	10.8	11.7	No	No	No	No		
1727	6 VICTORIA STREET GLENRIDGING	Residential	55	50	45.4	41.9	55.6	52.9	10.2	11.0	Yes	No	No	Yes		
1728	61 BATHURST STREET SINGLETON	Residential	53	50	40.8	37.3	49.0	46.3	8.2	9.0	No	No	No	No		
1729	6 WYNARD STREET SINGLETON	Residential	51	48	38.8	35.2	49.7	47.0	10.9	11.8	No	No	No	No		
1730	5 VICTORIA STREET GLENRIDGING	Residential	55	50	45.6	42.1	55.6	52.9	10.0	10.8	Yes	No	No	Yes		
1731	4 WYNARD STREET SINGLETON	Residential	53	49	40.2	36.6	51.4	48.7	11.2	12.1	No	No	No	No		
1732	59 BATHURST STREET SINGLETON	Residential	52	49	39.8	36.3	48.4	45.7	8.6	9.4	No	No	No	No		
1733	4 VICTORIA STREET GLENRIDGING	Residential	55	50	43.9	40.4	54.4	51.7	10.5	11.3	Yes	No	No	Yes		
1734	2 WYNARD STREET SINGLETON	Residential	53	49	40.4	36.9	51.8	49.2	11.4	12.3	No	No	Yes	Yes		
1736	46 BATHURST STREET SINGLETON	Child Care	100	100	38.7	35.1	48.7	45.9	10.0	10.8	No	No	No	No		
1738	3 VICTORIA STREET GLENRIDGING	Residential	53	49	40.6	37.1	52.6	49.9	12.0	12.8	No	No	Yes	Yes		
1739	76 PUTTY ROAD GLENRIDGING	Residential	54	50	42.0	38.4	54.6	51.9	12.6	13.5	No	No	Yes	Yes		
1740	9 PARK STREET SINGLETON	Residential	52	49	39.4	35.8	49.2	46.4	9.8	10.6	No	No	No	No		

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - No Noise Barrier									Exceedance of NCG Criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change						
			Day	Night	Day	Night	Day	Night	Day	Night					
1741	5 FREDERICK STREET SINGLETON	Residential	53	49	40.4	36.8	52.0	49.3	11.6	12.5	No	No	Yes	Yes	
1742	8 GLENRIDGING ROAD GLENRIDGING	Residential	55	50	54.0	50.5	58.9	56.3	4.9	5.8	Yes	No	No	Yes	
1744	2 VICTORIA STREET GLENRIDGING	Residential	55	50	45.9	42.4	53.0	50.3	7.1	7.9	Yes	No	No	Yes	
1745	7 PARK STREET SINGLETON	Residential	51	47	38.3	34.7	48.7	45.9	10.4	11.2	No	No	No	No	
1746	57 BATHURST STREET SINGLETON	Residential	52	49	39.8	36.3	49.0	46.3	9.2	10.0	No	No	No	No	
1747	7 FREDERICK STREET SINGLETON	Residential	53	50	41.1	37.5	50.1	47.4	9.0	9.9	No	No	No	No	
1748	5 PARK STREET SINGLETON	Residential	52	48	39.3	35.8	49.0	46.3	9.7	10.5	No	No	No	No	
1750	1 VICTORIA STREET GLENRIDGING	Residential	100	100	49.6	46.1	53.2	50.4	3.6	4.3	No	No	No	No	
1751	3 PARK STREET SINGLETON	Residential	49	46	36.9	33.4	47.7	45.0	10.8	11.6	No	No	No	No	
1752	1 PARK STREET SINGLETON	Residential	54	50	41.9	38.4	50.0	47.3	8.1	8.9	No	No	No	No	
1753	9 FREDERICK STREET SINGLETON	Residential	55	50	42.9	39.4	50.4	47.7	7.5	8.3	No	No	No	No	
1756	55 BATHURST STREET SINGLETON	Residential	53	49	40.6	37.1	48.6	45.8	8.0	8.7	No	No	No	No	
1757	12 PARK STREET SINGLETON	Residential	52	49	40.0	36.5	49.0	46.3	9.0	9.8	No	No	No	No	
1758	2 GLENRIDGING ROAD GLENRIDGING	Residential	55	50	53.9	50.4	57.3	54.7	3.4	4.3	Yes	No	No	Yes	
1760	53 BATHURST STREET SINGLETON	Residential	53	49	40.6	37.1	48.0	45.2	7.4	8.1	No	No	No	No	
1761	10 PARK STREET SINGLETON	Residential	52	49	39.8	36.3	48.9	46.1	9.1	9.8	No	No	No	No	
1762	11 FREDERICK STREET SINGLETON	Residential	55	50	42.7	39.1	50.3	47.5	7.6	8.4	No	No	No	No	
1763	9 GLENRIDGING ROAD GLENRIDGING	Residential	60	55	59.2	55.7	59.8	57.0	0.6	1.3	Yes	No	No	Yes	
1764	8 PARK STREET SINGLETON	Residential	53	49	40.2	36.6	48.8	46.1	8.6	9.5	No	No	No	No	
1765	44 BATHURST STREET SINGLETON	Residential	52	49	39.5	35.9	48.6	45.9	9.1	10.0	No	No	No	No	
1766	6 PARK STREET SINGLETON	Residential	53	49	40.5	37.0	49.2	46.4	8.7	9.4	No	No	No	No	
1767	23 GLENRIDGING ROAD GLENRIDGING	Residential	55	50	44.9	41.4	56.5	53.9	11.6	12.5	No	No	Yes	Yes	
1768	51 BATHURST STREET SINGLETON	Residential	52	49	39.8	36.3	47.7	45.0	7.9	8.7	No	No	No	No	
1769	4 PARK STREET SINGLETON	Residential	53	49	40.3	36.8	49.5	46.8	9.2	10.0	No	No	No	No	
1772	7 GLENRIDGING ROAD GLENRIDGING	Residential	60	55	60.0	56.5	59.6	56.9	-0.4	0.4	No	No	No	No	
1773	2 PARK STREET SINGLETON	Residential	54	50	41.9	38.4	49.4	46.6	7.5	8.2	No	No	No	No	
1774	25 HARRIETT STREET SINGLETON	Residential	53	49	40.2	36.6	48.5	45.8	8.3	9.2	No	No	No	No	
1776	23 HARRIETT STREET SINGLETON	Residential	52	49	40.1	36.5	48.7	45.9	8.6	9.4	No	No	No	No	
1777	49 BATHURST STREET SINGLETON	Residential	53	49	40.0	36.4	47.8	45.1	7.8	8.7	No	No	No	No	
1778	44 BATHURST STREET SINGLETON	Residential	54	50	40.8	37.2	48.6	45.8	7.8	8.6	No	No	No	No	
1780	2 WALTER STREET SINGLETON	Residential	55	50	48.0	44.5	53.8	51.1	5.8	6.6	Yes	No	No	Yes	
1782	21 HARRIETT STREET SINGLETON	Residential	52	49	40.0	36.4	48.5	45.8	8.5	9.4	No	No	No	No	
1783	13A FREDERICK STREET SINGLETON	Residential	54	50	42.4	38.9	49.5	46.8	7.1	7.9	No	No	No	No	
1784	30 HARRIETT STREET SINGLETON	Residential	52	49	39.7	36.1	48.0	45.3	8.3	9.2	No	No	No	No	
1786	19 HARRIETT STREET SINGLETON	Residential	52	49	40.2	36.6	48.8	46.1	8.6	9.5	No	No	No	No	
1788	28 HARRIETT STREET SINGLETON	Residential	52	48	39.4	35.8	47.8	45.1	8.4	9.3	No	No	No	No	
1790	32 BATHURST STREET SINGLETON	Residential	55	50	42.6	39.1	47.8	45.1	5.2	6.0	No	No	No	No	
1791	17 HARRIETT STREET SINGLETON	Residential	51	48	38.9	35.4	47.8	45.0	8.9	9.6	No	No	No	No	
1792	26 HARRIETT STREET SINGLETON	Residential	51	48	39.1	35.6	47.6	44.8	8.5	9.2	No	No	No	No	
1793	47 BATHURST STREET SINGLETON	Residential	53	50	40.1	36.7	47.3	44.6	7.2	7.9	No	No	No	No	
1794	3 DUDDING STREET SINGLETON	Residential	55	50	45.3	41.8	52.2	49.4	6.9	7.6	No	No	No	No	
1795	7 DUDDING STREET SINGLETON	Residential	55	50	44.6	41.1	51.2	48.5	6.6	7.4	No	No	No	No	
1796	5 GLENRIDGING ROAD GLENRIDGING	Residential	60	55	59.6	56.1	58.3	55.7	-1.3	-0.4	No	No	No	No	
1797	6 DUDDING STREET SINGLETON	Residential	54	50	41.5	38.0	48.8	46.1	7.3	8.1	No	No	No	No	
1798	15 HARRIETT STREET SINGLETON	Residential	54	50	42.3	38.8	49.3	46.5	7.0	7.7	No	No	No	No	
1799	1 DUDDING STREET SINGLETON	Residential	55	50	45.8	42.3	52.6	49.9	6.8	7.6	Yes	No	No	Yes	
1800	5 DUDDING STREET SINGLETON	Residential	55	50	45.0	41.5	51.7	49.0	6.7	7.5	No	No	No	No	
1801	4 DUDDING STREET SINGLETON	Residential	53	50	41.3	37.8	48.4	45.7	7.1	7.9	No	No	No	No	
1802	24 HARRIETT STREET SINGLETON	Residential	53	50	40.6	37.1	48.0	45.2	7.4	8.1	No	No	No	No	
1803	26 HARRIETT STREET SINGLETON	Residential	53	49	40.4	36.9	46.9	44.3	6.5	7.4	No	No	No	No	
1805	22 HARRIETT STREET SINGLETON	Residential	54	50	41.2	37.7	48.2	45.5	7.0	7.8	No	No	No	No	
1806	45 BATHURST STREET SINGLETON	Residential	53	50	40.8	37.3	47.6	44.8	6.8	7.5	No	No	No	No	
1808	4A DUDDING STREET SINGLETON	Residential	54	50	42.1	38.6	48.7	46.0	6.6	7.4	No	No	No	No	
1809	20 HARRIETT STREET SINGLETON	Residential	53	50	41.0	37.5	48.3	45.5	7.3	8.0	No	No	No	No	
1810	26 HARRIETT STREET SINGLETON	Residential	54	50	41.8	38.3	48.3	45.6	6.5	7.3	No	No	No	No	
1811	43 BATHURST STREET SINGLETON	Residential	53	49	40.5	37.0	47.3	44.5	6.8	7.5	No	No	No	No	
1812	2 DUDDING STREET SINGLETON	Residential	55	50	43.3	39.8	49.4	46.6	6.1	6.8	No	No	No	No	
1813	3 LESLEY STREET SINGLETON	Residential	55	50	45.2	41.7	49.9	47.1	4.7	5.4	No	No	No	No	
1814	2A DUDDING STREET SINGLETON	Residential	55	50	43.5	39.9	50.4	47.7	6.9	7.8	No	No	No	No	
1815	11 HARRIETT STREET SINGLETON	Residential	54	50	42.2	38.6	48.4	45.6	6.2	7.0	No	No	No	No	
1816	13 HARRIETT STREET SINGLETON	Residential	53	50	41.0	37.5	47.9	45.2	6.9	7.7	No	No	No	No	
1817	16 HARRIETT STREET SINGLETON	Residential	54	50	41.9	38.4	48.6	45.9	6.7	7.5	No	No	No	No	
1818	18 HARRIETT STREET SINGLETON	Residential	52	49	39.9	36.4	47.8	45.0	7.9	8.6	No	No	No	No	
1819	41 BATHURST STREET SINGLETON	Residential	52	48	39.1	35.6	45.4	42.6	6.3	7.0	No	No	No	No	
1820	29 ARGYLE STREET SINGLETON	Residential	52	49	39.0	35.4	46.6	43.9	7.6	8.5	No	No	No	No	
1821	9 HARRIETT STREET SINGLETON	Residential	55	50	44.1	40.6	49.5	46.8	5.4	6.2	No	No	No	No	
1822	1 LESLEY STREET SINGLETON	Residential	55	50	44.0	40.5	49.2	46.4	5.2	5.9	No	No	No	No	
1823	7 HARRIETT STREET SINGLETON	Residential	55	50	43.5	40.0	49.9	47.2	6.4	7.2	No	No	No	No	
1824	8 FREDERICK STREET SINGLETON	Residential	54	50	42.3	38.8	48.8	46.2	6.5	7.4	No	No	No	No	
1825	25 ARGYLE STREET SINGLETON	Residential	53	50	40.5	37.0	48.0	45.2	7.5	8.2	No	No	No	No	
1826	27 ARGYLE STREET SINGLETON	Residential	52	49	39.5	35.9	47.1	44.4	7.6	8.5	No	No	No	No	
1827	5 HARRIETT STREET SINGLETON	Residential	54	50	42.2	38.7	48.5	45.9	6.3	7.2	No	No	No	No	
1828	10 FREDERICK STREET SINGLETON	Residential	55	50	43.0	39.5	48.5	45.9	5.5	6.4	No	No	No	No	
1829	12 HARRIETT STREET SINGLETON	Residential	55	50	42.7	39.2	48.7	46.0	6.0	6.8	No	No	No	No	
1830	32 ARGYLE STREET SINGLETON	Residential	53	50	40.5	36.9	46.8	44.0	6.3	7.1	No	No	No	No	
1831	23 ARGYLE STREET SINGLETON	Residential	52	49	40.0	36.5	48.0	45.3	8.0	8.8	No	No	No	No	
1832	15 FREDERICK STREET SINGLETON	Residential	54	50	41.8	38.3	47.8	45.2	6.0	6.9	No	No	No	No	
1834	3 HARRIETT STREET SINGLETON	Residential	54	50	42.3	38.8	48.2	45.5	5.9	6.7	No	No	No	No	
1835	10 HARRIETT STREET SINGLETON	Residential	55	50	43.7	40.2	49.1	46.4	5.4	6.2	No	No	No	No	
1836	30 ARGYLE STREET SINGLETON	Residential	53	50	40.3	36.7	47.2	44.5	6.9	7.8	No	No	No	No	
1837	1 HARRIETT STREET SINGLETON	Residential	52	49	39.8	36.3	46.6	43.9	6.8	7.6	No	No	No	No	
1838	28 ARGYLE STREET SINGLETON	Residential	52	49	39.8	36.2	47.2	44.4	7.4	8.2	No	No	No	No	
1839	21 ARGYLE STREET SINGLETON	Residential	52	49	39.6	36.1	47.6	44.9	8.0	8.8	No	No	No	No	
1841	12 FREDERICK STREET SINGLETON	Residential	55	50	44.1	40.6	49.3	46.7	5.2	6.1	No	No	No	No	
1842	8 HARRIETT STREET SINGLETON	Residential	55	50	44.1	40.6	49.7	47.1	5.6	6.5	No	No	No	No	
1843	19 ARGYLE STREET SINGLETON	Residential	52	48	39.3	35.8	47.4	44.6	8.1	8.8	No	No	No	No	
1844	24 ARGYLE STREET SINGLETON	Residential	53	50	40.3	36.7	47.8	45.1	7.5	8.4	No	No	No	No	
1845	26 ARGYLE STREET SINGLETON	Residential	53	50	40.2	36.7	47.6	44.8	7.4	8.1	No	No	No	No	
1846	17 ARGYLE STREET SINGLETON	Residential	53	49	40.3	36.8	47.6	44.8	7.3	8.0	No	No	No	No	
1847	15 ARGYLE STREET SINGLETON	Residential	55	50	43.5	40.0	48.8	46.1	5.3	6.1	No	No	No	No	
1848	14 FREDERICK STREET SINGLETON	Residential	55	50	44.1	40.7	49.3	46.7	5.2	6.0	No	No	No	No	
1849	6 HARRIETT STREET SINGLETON	Residential	55	50	44.3	40.8	49.9	47.3	5.6	6.5	No	No	No	No	
1850	4 HARRIETT STREET SINGLETON	Residential	55	50	43.4	39.9	49.0	46.3	5.6	6.4	No	No	No	No	

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - No Noise Barrier									Exceedance of NCG Criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation			
			Criteria			Do Minimum			Design							Change		
			Day	Night		Day	Night		Day	Night						Day	Night	
1851	22 ARGYLE STREET SINGLETON	Residential	54	50	42.2	38.7	47.8	45.2	5.6	6.5	No	No	No	No				
1853	13 ARGYLE STREET SINGLETON	Residential	53	49	40.5	37.0	47.1	44.4	6.6	7.4	No	No	No	No				
1854	20 ARGYLE STREET SINGLETON	Residential	53	50	41.0	37.5	48.0	45.2	7.0	7.7	No	No	No	No				
1856	9 ARGYLE STREET SINGLETON	Residential	55	50	44.9	41.4	50.2	47.5	5.3	6.1	No	No	No	No				
1857	11 ARGYLE STREET SINGLETON	Residential	55	50	42.9	39.4	48.8	46.2	5.9	6.8	No	No	No	No				
1858	18 ARGYLE STREET SINGLETON	Residential	53	50	41.0	37.5	48.0	45.2	7.0	7.7	No	No	No	No				
1859	16 ARGYLE STREET SINGLETON	Residential	55	50	43.5	40.0	48.4	45.7	4.9	5.7	No	No	No	No				
1861	7 ARGYLE STREET SINGLETON	Residential	55	50	45.5	42.0	50.6	47.9	5.1	5.9	No	No	No	No				
1862	25 GAS STREET SINGLETON	Residential	54	50	41.9	38.3	48.0	45.3	6.1	7.0	No	No	No	No				
1864	14 ARGYLE STREET SINGLETON	Residential	54	50	41.6	38.1	48.1	45.4	6.5	7.3	No	No	No	No				
1865	5 ARGYLE STREET SINGLETON	Residential	55	50	46.4	42.9	51.0	48.3	4.6	5.4	No	No	No	No				
1866	16 ARGYLE STREET SINGLETON	Residential	55	50	43.2	39.7	48.3	45.6	5.1	5.9	No	No	No	No				
1867	12 ARGYLE STREET SINGLETON	Residential	54	50	41.9	38.4	48.1	45.5	6.2	7.1	No	No	No	No				
1869	3 ARGYLE STREET SINGLETON	Residential	55	50	48.1	44.7	51.2	48.6	3.1	3.9	No	No	No	No				
1870	19 GAS STREET SINGLETON	Residential	54	50	41.0	37.4	47.8	45.0	6.8	7.6	No	No	No	No				
1871	21 GAS STREET SINGLETON	Residential	59	55	46.4	42.9	46.5	43.9	0.1	1.0	No	No	No	No				
1873	10 ARGYLE STREET SINGLETON	Residential	54	50	41.5	38.0	48.1	45.5	6.6	7.5	No	No	No	No				
1874	8 ARGYLE STREET SINGLETON	Residential	55	50	42.4	38.9	48.3	45.7	5.9	6.8	No	No	No	No				
1875	17 FREDERICK STREET SINGLETON	Residential	55	50	44.3	40.9	48.6	46.0	4.3	5.1	No	No	No	No				
1876	17 GAS STREET SINGLETON	Residential	52	49	39.6	36.1	47.0	44.2	7.4	8.1	No	No	No	No				
1881	6 ARGYLE STREET SINGLETON	Residential	55	50	43.0	39.5	48.5	45.8	5.5	6.3	No	No	No	No				
1882	4 ARGYLE STREET SINGLETON	Residential	55	50	44.7	41.2	49.5	46.8	4.8	5.6	No	No	No	No				
1884	15 GAS STREET SINGLETON	Residential	53	50	41.1	37.5	47.7	44.9	6.6	7.4	No	No	No	No				
1885	22-26 JOHN STREET SINGLETON	Residential	60	55	61.0	57.5	59.6	57.1	-1.4	-0.4	No	No	No	No				
1886	2 ARGYLE STREET SINGLETON	Residential	55	50	46.3	42.8	49.7	47.0	3.4	4.2	No	No	No	No				
1887	12A GAS STREET SINGLETON	Residential	58	55	46.3	42.8	48.2	45.6	1.9	2.8	No	No	No	No				
1888	13 GAS STREET SINGLETON	Residential	53	50	41.0	37.5	47.7	45.1	6.7	7.6	No	No	No	No				
1889	28 JOHN STREET SINGLETON	Residential	60	55	59.9	56.4	58.7	56.2	-1.2	-0.2	No	No	No	No				
1890	7 MARY STREET SINGLETON	Residential	60	55	62.7	59.2	60.4	58.0	-2.3	-1.2	No	No	No	No				
1891	11 GAS STREET SINGLETON	Residential	55	50	44.9	41.4	48.3	45.7	3.4	4.3	No	No	No	No				
1892	9 MARY STREET SINGLETON	Residential	60	55	56.8	53.3	57.0	54.4	0.2	1.1	No	No	No	No				
1895	10 GAS STREET SINGLETON	Residential	54	50	41.3	37.8	47.4	44.8	6.1	7.0	No	No	No	No				
1896	11 MARY STREET SINGLETON	Residential	55	50	53.3	49.8	55.3	52.7	2.0	2.9	Yes	No	No	Yes				
1897	8 GAS STREET SINGLETON	Residential	54	50	41.6	38.1	47.3	44.7	5.7	6.6	No	No	No	No				
1898	9 GAS STREET SINGLETON	Residential	60	55	48.6	45.1	48.7	46.1	0.1	1.0	No	No	No	No				
1899	30 JOHN STREET SINGLETON	Residential	60	55	66.5	63.0	64.6	62.2	-1.9	-0.8	No	No	No	No				
1900	13 MARY STREET SINGLETON	Residential	55	50	52.0	48.5	55.2	52.5	3.2	4.0	Yes	No	Yes	Yes				
1901	7 GAS STREET SINGLETON	Residential	55	50	46.4	42.9	48.6	45.9	2.2	3.0	No	No	No	No				
1902	6 GAS STREET SINGLETON	Residential	55	50	46.3	42.8	49.3	46.7	3.0	3.9	No	No	No	No				
1906	9 RYAN AVENUE SINGLETON	Residential	60	55	62.1	58.6	60.2	57.8	-1.9	-0.8	No	No	No	No				
1910	11 RYAN AVENUE SINGLETON	Residential	60	55	56.0	52.5	55.2	52.7	-0.8	0.2	No	No	No	No				
1913	53 JOHN STREET SINGLETON	Residential	60	55	50.6	47.1	49.9	47.4	-0.7	0.3	No	No	No	No				
1914	2 RYAN AVENUE SINGLETON	Residential	60	55	60.4	57.0	58.7	56.3	-1.7	-0.7	No	No	No	No				
1917	4 RYAN AVENUE SINGLETON	Residential	60	55	54.6	51.1	54.8	52.3	0.2	1.2	No	No	No	No				
1918	6 RYAN AVENUE SINGLETON	Residential	55	50	51.8	48.4	53.4	50.9	1.6	2.5	Yes	No	No	Yes				
1919	59 JOHN STREET SINGLETON	Residential	60	55	53.0	49.5	52.0	49.5	-1.0	0.0	No	No	No	No				
1920	59 JOHN STREET SINGLETON	Residential	60	55	67.8	64.3	65.7	63.3	-2.1	-1.0	No	No	No	No				
1931	48 SIMPSON TERRACE DARLINGTON	Residential	55	50	40.5	37.6	58.6	57.0	18.1	19.4	Yes	Yes	Yes	Yes				
1932	2 NOBLE CLOSE DARLINGTON	Residential	55	50	40.8	37.7	58.9	57.3	18.1	19.6	Yes	Yes	Yes	Yes				
1933	3 NOBLE CLOSE DARLINGTON	Residential	55	50	44.0	40.8	62.0	60.3	18.0	19.5	Yes	Yes	Yes	Yes				
1934	46 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.1	38.2	53.5	51.8	12.4	13.6	Yes	No	Yes	Yes				
1935	4 NOBLE CLOSE DARLINGTON	Residential	55	50	46.4	42.7	60.3	58.6	13.9	15.9	Yes	Yes	Yes	Yes				
1936	6 NOBLE CLOSE DARLINGTON	Residential	55	50	42.6	39.4	53.9	52.2	11.3	12.8	Yes	No	Yes	Yes				
1937	5 NOBLE CLOSE DARLINGTON	Residential	55	50	46.1	42.4	58.1	56.4	12.0	14.0	Yes	Yes	Yes	Yes				
1938	44 SIMPSON TERRACE DARLINGTON	Residential	55	50	45.4	41.7	50.2	48.3	4.8	6.6	No	No	Yes	Yes				
1938	44 SIMPSON TERRACE DARLINGTON*	Residential	55	50	39.9	36.7	51.3	49.6	11.4	12.9								
1940	3 SEVER CLOSE DARLINGTON	Residential	55	50	41.8	38.7	53.8	52.1	12.0	13.4	Yes	No	Yes	Yes				
1941	2 SEVER CLOSE DARLINGTON	Residential	55	50	45.4	41.8	52.7	50.9	7.3	9.1	Yes	No	Yes	Yes				
1941	2 SEVER CLOSE DARLINGTON*	Residential	55	50	38.2	35.2	51.4	49.8	13.2	14.6								
1942	4 SEVER CLOSE DARLINGTON	Residential	55	50	46.0	42.2	58.0	56.4	12.0	14.2	Yes	Yes	Yes	Yes				
1943	40 SIMPSON TERRACE DARLINGTON	Residential	55	50	39.4	36.5	51.5	49.8	12.1	13.3	No	No	Yes	Yes				
1944	5 SEVER CLOSE DARLINGTON	Residential	55	50	45.8	42.1	57.2	55.5	11.4	13.4	Yes	Yes	Yes	Yes				
1945	7 SEVER CLOSE DARLINGTON	Residential	55	50	45.2	41.7	53.2	51.5	8.0	9.8	Yes	No	Yes	Yes				
1945	7 SEVER CLOSE DARLINGTON*	Residential	55	50	39.2	36.2	50.8	49.1	11.6	12.9								
1946	8 SEVER CLOSE DARLINGTON	Residential	55	50	45.8	42.1	53.0	51.3	7.2	9.2	Yes	No	Yes	Yes				
1946	8 SEVER CLOSE DARLINGTON*	Residential	55	50	38.1	35.0	50.0	48.3	11.9	13.3								
1947	6 SEVER CLOSE DARLINGTON	Residential	55	50	45.5	41.8	54.2	52.4	8.7	10.6	Yes	No	Yes	Yes				
1947	6 SEVER CLOSE DARLINGTON*	Residential	55	50	38.0	34.9	50.2	48.5	12.2	13.6								
1948	38 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.2	38.1	49.4	47.6	8.2	9.5	No	No	No	No				
1949	36 SIMPSON TERRACE DARLINGTON	Residential	55	50	46.3	43.4	50.5	48.8	4.2	5.4	No	No	No	No				
1950	3 BUTTON CLOSE DARLINGTON	Residential	55	50	41.7	38.6	49.3	47.5	7.6	8.9	No	No	Yes	Yes				
1950	3 BUTTON CLOSE DARLINGTON*	Residential	55	50	35.3	32.2	47.9	46.2	12.6	14.0								
1951	2 BUTTON CLOSE DARLINGTON	Residential	55	50	39.7	36.6	53.0	51.4	13.3	14.8	Yes	No	Yes	Yes				
1952	4 BUTTON CLOSE DARLINGTON	Residential	55	50	40.8	37.7	50.9	49.2	10.1	11.5	No	No	Yes	Yes				
1952	4 BUTTON CLOSE DARLINGTON*	Residential	55	50	37.7	34.5	50.9	49.2	13.2	14.7								
1953	5 BUTTON CLOSE DARLINGTON	Residential	55	50	41.8	38.6	51.2	49.4	9.4	10.8	No	No	Yes	Yes				
1953	5 BUTTON CLOSE DARLINGTON*	Residential	55	50	38.1	35.1	49.4	47.7	11.3	12.6								
1954	34 SIMPSON TERRACE DARLINGTON	Residential	55	50	40.4	37.4	47.8	46.1	7.4	8.7	No	No	No	No				
1955	9 BUTTON CLOSE DARLINGTON	Residential	55	50	40.1	37.1	51.2	49.6	11.1	12.5	No	No	Yes	Yes				
1956	29 SIMPSON TERRACE DARLINGTON	Residential	55	50	40.5	37.3	48.9	47.2	8.4	9.9	No	No	Yes	Yes				
1956	29 SIMPSON TERRACE DARLINGTON*	Residential	55	50	38.1	35.1	48.9	47.2	10.8	12.1								
1957	6 BUTTON CLOSE DARLINGTON	Residential	55	50	45.5	41.9	55.0	53.3	9.5	11.4	Yes	No	Yes	Yes				
1957	6 BUTTON CLOSE DARLINGTON*	Residential	55	50	40.0	36.9	54.5	52.9	14.5	16.0								
1958	8 BUTTON CLOSE DARLINGTON	Residential	55	50	39.7	36.7	51.1	49.5	11.4	12.8	No	No	Yes	Yes				
1959	7 BUTTON CLOSE DARLINGTON	Residential	55	50	45.5	41.9	54.0	52.2	8.5	10.3	Yes	No	Yes	Yes				
1959	7 BUTTON CLOSE DARLINGTON*	Residential	55	50	35.7	32.6	47.6	45.9	11.9	13.3								
1960	32 SIMPSON TERRACE DARLINGTON	Residential	55	50	40.8	37.6	48.4	46.6	7.6	9.0	No	No	No	No				
1961	11 GRAINGER CRESCENT DARLINGTON	Residential	55	50	43.2	40.0	50.9	49.2	7.7	9.2	No	No	No	No				
1963	27 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.5	38.4	48.0	46.3	6.5	7.9	No	No	No	No				
1964	30 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.3	38.1	48.2	46.4	6.9	8.3	No	No	No	No				
1965	9 GRAINGER CRESCENT DARLINGTON	Residential	55	50	48.4	45.6	50.0	48.2	1.6	2.6	No	No	No	No				
1966	7 ELLIOT CLOSE DARLINGTON	Residential	55	50	41.1	38.0	50.3	48.6	9.2	10.6	No	No	No	No				
1968	8 ELLIOT CLOSE DARLINGTON	Residential	55	50	38.9	35.8	53.5	51.8	14.6	16.0	Yes	No	Yes	Yes				

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - No Noise Barrier									Exceedance of NCG Criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation			
			Criteria			Do Minimum			Design							Change		
			Day	Night		Day	Night		Day	Night						Day	Night	
1669	25 SIMPSON TERRACE DARLINGTON	Residential	55	50	43.9	40.7	49.0	47.2	5.1	6.5	No	No	No	No				
1670	6 ELLIOT CLOSE DARLINGTON	Residential	55	50	42.9	39.8	50.2	48.4	7.3	8.6	No	No	No	No				
1671	28 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.3	38.2	47.9	46.1	6.6	7.9	No	No	No	No				
1672	5 ELLIOT CLOSE DARLINGTON	Residential	55	50	41.8	38.7	50.5	48.7	8.7	10.0	No	No	No	No				
1673	26 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.9	38.8	47.8	46.0	5.9	7.2	No	No	No	No				
1674	9 ELLIOT CLOSE DARLINGTON	Residential	55	50	45.6	42.2	55.6	53.9	10.0	11.7	Yes	No	Yes	Yes				
1674	9 ELLIOT CLOSE DARLINGTON*	Residential	55	50	41.1	38.1	54.8	53.1	13.7	15.0								
1675	36 GRAINGER CRESCENT DARLINGTON	Residential	55	50	41.8	38.8	48.7	47.0	6.9	8.2	No	No	No	No				
1676	24 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.6	38.4	48.0	46.2	6.4	7.8	No	No	No	No				
1677	23 SIMPSON TERRACE DARLINGTON	Residential	55	50	43.5	40.3	49.5	47.7	6.0	7.4	No	No	No	No				
1678	10 ELLIOT CLOSE DARLINGTON	Residential	55	50	45.9	42.5	55.5	53.8	9.6	11.3	Yes	No	No	Yes				
1679	4 ELLIOT CLOSE DARLINGTON	Residential	55	50	40.9	37.9	50.9	49.2	10.0	11.3	No	No	No	No				
1680	34 GRAINGER CRESCENT DARLINGTON	Residential	55	50	48.8	45.9	48.6	46.7	-0.2	0.8	No	No	No	No				
1681	32 GRAINGER CRESCENT DARLINGTON	Residential	55	50	49.9	47.1	49.6	47.7	-0.3	0.6	No	No	No	No				
1682	11 ELLIOT CLOSE DARLINGTON	Residential	55	50	46.7	43.3	55.7	54.0	9.0	10.7	Yes	No	No	Yes				
1683	3 ELLIOT CLOSE DARLINGTON	Residential	55	50	43.4	40.1	50.5	48.8	7.1	8.7	No	No	No	No				
1684	22 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.8	38.8	48.4	46.7	6.6	7.9	No	No	No	No				
1685	30 GRAINGER CRESCENT DARLINGTON	Residential	55	50	50.4	47.5	49.5	47.5	-0.9	0.0	No	No	No	No				
1686	30 GRAINGER CRESCENT DARLINGTON	Residential	55	50	47.6	44.7	48.4	46.5	0.8	1.8	No	No	No	No				
1687	21 SIMPSON TERRACE DARLINGTON	Residential	55	50	42.7	39.7	50.1	48.3	7.4	8.6	No	No	No	No				
1688	12 ELLIOT CLOSE DARLINGTON	Residential	55	50	47.4	43.9	55.6	53.9	8.2	10.0	Yes	No	Yes	Yes				
1688	12 ELLIOT CLOSE DARLINGTON*	Residential	55	50	39.9	36.8	54.5	52.9	14.6	16.1								
1689	2 ELLIOT CLOSE DARLINGTON	Residential	55	50	44.6	41.3	50.6	48.8	6.0	7.5	No	No	No	No				
1690	20 SIMPSON TERRACE DARLINGTON	Residential	55	50	40.5	37.5	48.1	46.4	7.6	8.9	No	No	No	No				
1691	28 GRAINGER CRESCENT DARLINGTON	Residential	55	50	50.7	47.8	50.0	48.0	-0.7	0.2	No	No	No	No				
1692	4 HALLETT PLACE DARLINGTON	Residential	55	50	41.6	38.5	48.6	46.8	7.0	8.3	No	No	No	No				
1693	18 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.9	38.9	48.2	46.4	6.3	7.5	No	No	No	No				
1694	3 HALLETT PLACE DARLINGTON	Residential	55	50	45.9	42.8	48.1	46.2	2.2	3.4	No	No	No	No				
1695	13 ELLIOT CLOSE DARLINGTON	Residential	55	50	47.8	44.3	55.5	53.7	7.7	9.4	Yes	No	Yes	Yes				
1695	13 ELLIOT CLOSE DARLINGTON*	Residential	55	50	38.9	35.9	51.0	49.4	12.1	13.5								
1696	16 SIMPSON TERRACE DARLINGTON	Residential	55	50	44.4	41.2	50.3	48.5	5.9	7.3	No	No	No	No				
1697	5 HALLETT PLACE DARLINGTON	Residential	55	50	44.4	41.3	49.3	47.5	4.9	6.2	No	No	No	No				
1698	19 SIMPSON TERRACE DARLINGTON	Residential	55	50	43.7	40.7	49.8	48.0	6.1	7.3	No	No	No	No				
1699	16 SIMPSON TERRACE DARLINGTON	Residential	55	50	49.2	45.9	53.5	51.5	4.3	5.6	Yes	No	No	Yes				
2000	2 HALLETT PLACE DARLINGTON	Residential	55	50	46.7	43.3	48.5	46.6	1.8	3.3	No	No	No	No				
2001	17 SIMPSON TERRACE DARLINGTON	Residential	55	50	43.1	40.1	49.7	47.9	6.6	7.8	No	No	No	No				
2002	26 GRAINGER CRESCENT DARLINGTON	Residential	55	50	50.0	47.1	49.1	47.2	-0.9	0.1	No	No	No	No				
2003	14 ELLIOT CLOSE DARLINGTON	Residential	55	50	50.2	46.7	57.7	55.9	7.5	9.2	Yes	Yes	Yes	Yes				
2003	14 ELLIOT CLOSE DARLINGTON*	Residential	55	50	37.4	34.5	49.0	47.4	11.6	12.9								
2004	15 SIMPSON TERRACE DARLINGTON	Residential	55	50	42.5	39.5	49.3	47.4	6.8	7.9	No	No	No	No				
2005	7 GRAINGER CRESCENT DARLINGTON	Residential	55	50	54.5	51.6	51.6	49.4	-2.9	-2.2	No	No	No	No				
2006	6 HALLETT PLACE DARLINGTON	Residential	55	50	43.6	40.5	49.4	47.6	5.8	7.1	No	No	No	No				
2007	15 ELLIOT CLOSE DARLINGTON	Residential	55	50	49.0	45.5	55.5	53.6	6.5	8.1	Yes	No	Yes	Yes				
2007	15 ELLIOT CLOSE DARLINGTON*	Residential	55	50	40.7	37.6	53.5	51.8	12.8	14.2								
2008	7 HALLETT PLACE DARLINGTON	Residential	55	50	46.8	43.5	48.4	46.5	1.6	3.0	No	No	No	No				
2009	24 GRAINGER CRESCENT DARLINGTON	Residential	55	50	48.6	45.7	48.6	46.7	0.0	1.0	No	No	No	No				
2010	17 HALLETT PLACE DARLINGTON	Residential	55	50	46.2	43.1	48.2	46.2	2.0	3.1	No	No	No	No				
2011	13 SIMPSON TERRACE DARLINGTON	Residential	55	50	44.0	41.0	49.5	47.7	5.5	6.7	No	No	No	No				
2012	7 MILLARD CLOSE DARLINGTON	Residential	55	50	45.0	41.9	49.8	47.9	4.8	6.0	No	No	No	No				
2013	14 SIMPSON TERRACE DARLINGTON	Residential	55	50	48.7	45.2	54.9	53.0	6.2	7.8	Yes	No	No	Yes				
2014	5 GRAINGER CRESCENT DARLINGTON	Residential	55	50	60.6	57.7	57.1	54.8	-3.5	-2.9	No	No	No	No				
2015	11 SIMPSON TERRACE DARLINGTON	Residential	55	50	44.1	41.1	50.1	48.2	6.0	7.1	No	No	No	No				
2016	22 GRAINGER CRESCENT DARLINGTON	Residential	55	50	53.6	50.8	50.6	48.4	-3.0	-2.4	No	No	No	No				
2017	8 HALLETT PLACE DARLINGTON	Residential	55	50	48.0	44.7	49.2	47.2	1.2	2.5	No	No	No	No				
2018	16 HALLETT PLACE DARLINGTON	Residential	55	50	46.9	43.6	48.8	46.9	1.9	3.3	No	No	No	No				
2019	6 MILLARD CLOSE DARLINGTON	Residential	55	50	46.3	43.2	49.0	47.0	2.7	3.8	No	No	No	No				
2020	8 MILLARD CLOSE DARLINGTON	Residential	55	50	44.4	41.3	49.4	47.6	5.0	6.3	No	No	No	No				
2021	12 SIMPSON TERRACE DARLINGTON	Residential	55	50	45.3	42.2	53.7	51.9	8.4	9.7	Yes	No	No	Yes				
2022	9 HALLETT PLACE DARLINGTON	Residential	55	50	48.4	45.0	49.8	47.8	1.4	2.8	No	No	No	No				
2023	9 SIMPSON TERRACE DARLINGTON	Residential	55	50	45.2	42.0	50.8	48.9	5.6	6.9	No	No	No	No				
2024	15 HALLETT PLACE DARLINGTON	Residential	55	50	47.7	44.6	49.5	47.5	1.8	2.9	No	No	No	No				
2025	20 GRAINGER CRESCENT DARLINGTON	Residential	55	50	56.3	53.4	52.7	50.5	-3.6	-2.9	No	No	No	No				
2026	9 MILLARD CLOSE DARLINGTON	Residential	55	50	48.3	44.7	50.6	48.7	2.3	4.0	No	No	No	No				
2028	5 MILLARD CLOSE DARLINGTON	Residential	55	50	47.2	43.9	50.1	48.2	2.9	4.3	No	No	No	No				
2029	10 SIMPSON TERRACE DARLINGTON	Residential	55	50	47.7	44.4	54.3	52.5	6.6	8.1	Yes	No	No	Yes				
2030	10 MILLARD CLOSE DARLINGTON	Residential	55	50	47.6	44.2	50.5	48.5	2.9	4.3	No	No	No	No				
2031	10 HALLETT PLACE DARLINGTON	Residential	55	50	48.6	45.3	50.1	48.1	1.5	2.8	No	No	No	No				
2032	7 SIMPSON TERRACE DARLINGTON	Residential	55	50	48.1	44.7	51.2	49.3	3.1	4.6	No	No	No	No				
2033	8 SIMPSON TERRACE DARLINGTON	Residential	55	50	49.1	45.5	54.5	52.6	5.4	7.1	Yes	No	No	Yes				
2034	18 GRAINGER CRESCENT DARLINGTON	Residential	55	50	57.6	54.7	54.1	51.8	-3.5	-2.9	No	No	No	No				
2035	14 HALLETT PLACE DARLINGTON	Residential	55	50	48.9	45.8	50.2	48.1	1.3	2.3	No	No	No	No				
2036	4 MILLARD CLOSE DARLINGTON	Residential	55	50	48.6	45.4	50.2	48.2	1.6	2.8	No	No	No	No				
2037	5 SIMPSON TERRACE DARLINGTON	Residential	55	50	49.9	46.5	51.2	49.2	1.3	2.7	No	No	No	No				
2038	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	49.5	46.4	55.5	53.6	6.0	7.2	Yes	No	No	Yes				
2039	11 MILLARD CLOSE DARLINGTON	Residential	55	50	48.3	45.1	50.3	48.3	2.0	3.2	No	No	No	No				
2040	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.0	48.7	57.2	55.3	5.2	6.6	Yes	Yes	No	Yes				
2041	13 HALLETT PLACE DARLINGTON	Residential	55	50	51.3	48.2	50.3	48.2	-1.0	0.0	No	No	No	No				
2042	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.2	48.8	57.2	55.3	5.0	6.5	Yes	Yes	No	Yes				
2043	3 MILLARD CLOSE DARLINGTON	Residential	55	50	52.9	49.7	51.6	49.5	-1.3	-0.2	No	No	No	No				
2044	11 HALLETT PLACE DARLINGTON	Residential	55	50	50.8	47.7	50.6	48.5	-0.2	0.8	No	No	No	No				
2045	16 GRAINGER CRESCENT DARLINGTON	Residential	55	50	58.2	55.3	54.7	52.4	-3.5	-2.9	No	No	No	No				
2046	12 MILLARD CLOSE DARLINGTON	Residential	55	50	49.3	45.9	50.0	47.9	0.7	2.0	No	No	No	No				
2047	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.2	48.9	57.2	55.3	5.0	6.4	Yes	Yes	No	Yes				
2048	12 HALLETT PLACE DARLINGTON	Residential	55	50	51.4	48.4	50.4	48.3	-1.0	-0.1	No	No	No	No				
2049	2 MILLARD CLOSE DARLINGTON	Residential	55	50	53.6	50.4	52.5	50.4	-1.1	0.0	No	No	No	No				
2050	5 SIMPSON TERRACE DARLINGTON	Residential	55	50	51.5	48.1	51.7	49.6	0.2	1.5	No	No	No	No				
2051	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.3	48.9	57.1	55.2	4.8	6.3	Yes	Yes	Yes	Yes				
2051	6 SIMPSON TERRACE DARLINGTON*	Residential	55	50	39.0	35.9	49.9	48.1	10.9	12.2								
2052	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	49.7	46.6	54.8	52.8	5.1	6.2	Yes	No	No	Yes				
2053	13 MILLARD CLOSE DARLINGTON	Residential	55	50	51.2	48.1	50.9	48.7	-0.3	0.6	No	No	No	No				
2054	6 SOLMAN LANE DARLINGTON	Residential	55	50	48.6	45.4	52.8	50.9	4.2	5.5	Yes	No	No	Yes				
2055	14 GRAINGER CRESCENT DARLINGTON	Residential	55	50	59.6	56.7	56.1	53.8	-3.5	-2.9	No	No	No	No				
2056	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.6	49.2	57.2	55.3	4.6	6.1	Yes	Yes	No	Yes				

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - No Noise Barrier										Exceedance of NCG Criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change							
			Day	Night	Day	Night	Day	Night	Day	Night						
2058	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.5	49.1	57.1	55.2	4.6	6.1	Yes	Yes	No	Yes		
2059	14 MILLARD CLOSE DARLINGTON	Residential	55	50	51.6	48.4	51.3	49.2	-0.3	0.8	No	No	No	No		
2060	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	52.4	49.1	52.6	50.5	0.2	1.4	Yes	No	No	No		
2061	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.7	49.3	57.1	55.1	4.4	5.8	Yes	Yes	No	Yes		
2062	8 GRAINGER CRESCENT DARLINGTON	Residential	55	50	57.2	54.2	55.0	52.8	-2.2	-1.4	No	No	No	No		
2063	1 MILLARD CLOSE DARLINGTON	Residential	55	50	56.7	53.7	54.9	52.8	-1.8	-0.9	Yes	No	No	No		
2064	4 SOLMAN LANE DARLINGTON	Residential	55	50	49.3	46.2	53.1	51.1	3.8	4.9	Yes	No	No	Yes		
2065	12 GRAINGER CRESCENT DARLINGTON	Residential	55	50	60.3	57.3	57.2	54.9	-3.1	-2.4	No	No	No	No		
2066	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	49.9	46.8	54.8	52.8	4.9	6.0	Yes	No	No	Yes		
2067	10 GRAINGER CRESCENT DARLINGTON	Residential	55	50	58.9	55.9	56.3	54.1	-2.6	-1.8	No	No	No	No		
2068	15 MILLARD CLOSE DARLINGTON	Residential	55	50	56.2	53.1	54.5	52.3	-1.7	-0.8	Yes	No	No	No		
2069	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	56.3	53.2	54.2	52.0	-2.1	-1.2	No	No	No	No		
2070	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	56.4	53.3	54.6	52.4	-1.8	-0.9	Yes	No	No	No		
2071	106A LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	61.7	58.8	58.4	56.2	-3.3	-2.6	No	No	No	No		
2072	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	53.2	49.9	57.0	55.0	3.8	5.1	Yes	Yes	No	Yes		
2073	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	56.9	53.9	55.4	53.2	-1.5	-0.7	Yes	No	No	No		
2074	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	56.8	53.7	55.1	52.9	-1.7	-0.8	Yes	No	No	No		
2075	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	56.7	53.7	55.0	52.8	-1.7	-0.9	Yes	No	No	No		
2076	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	56.8	53.7	55.1	52.9	-1.7	-0.8	Yes	No	No	No		
2077	4 ALLEN COURT DARLINGTON	Residential	55	50	51.6	48.3	53.7	51.7	2.1	3.4	Yes	No	No	Yes		
2078	3 ALLEN COURT DARLINGTON	Residential	55	50	53.7	50.4	53.8	51.7	0.1	1.3	Yes	No	No	No		
2081	5 ALLEN COURT DARLINGTON	Residential	55	50	49.6	46.5	53.5	51.4	3.9	4.9	Yes	No	No	Yes		
2082	106A LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	59.9	57.0	57.0	54.8	-2.9	-2.2	No	No	No	No		
2083	6 ALLEN COURT DARLINGTON	Residential	55	50	54.5	51.4	55.9	53.7	1.4	2.3	Yes	No	No	Yes		
2084	10 ALLEN COURT DARLINGTON	Residential	55	50	57.1	54.1	55.9	53.7	-1.2	-0.4	Yes	No	No	No		
2085	11 ALLEN COURT DARLINGTON	Residential	55	50	58.3	55.3	56.2	53.9	-2.1	-1.4	No	No	No	No		
2086	7 ALLEN COURT DARLINGTON	Residential	55	50	55.5	52.4	56.1	53.9	0.6	1.5	Yes	No	No	No		
2087	2 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	67.3	64.6	63.6	61.4	-3.7	-3.2	No	No	No	No		
2088	9B ALLEN COURT DARLINGTON	Residential	55	50	63.2	60.2	60.3	58.0	-2.9	-2.2	No	No	No	No		
2089	4 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	66.6	63.8	63.0	60.7	-3.6	-3.1	No	No	No	No		
2090	1 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	60.7	57.9	57.1	54.8	-3.6	-3.1	No	No	No	No		
2091	9 ALLEN COURT DARLINGTON	Residential	55	50	59.4	56.4	58.2	56.0	-1.2	-0.4	Yes	Yes	No	Yes		
2092	8 ALLEN COURT DARLINGTON	Residential	55	50	59.5	56.5	58.5	56.4	-1.0	-0.1	Yes	Yes	No	Yes		
2093	6 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	63.5	60.6	60.1	57.8	-3.4	-2.8	No	No	No	No		
2094	3 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	58.2	55.4	54.8	52.6	-3.4	-2.8	No	No	No	No		
2095	110 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	52.8	49.8	51.7	49.5	-1.1	-0.3	No	No	No	No		
2096	108 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	52.7	49.8	51.3	49.1	-1.4	-0.7	No	No	No	No		
2097	5 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	55.3	52.4	52.8	50.6	-2.5	-1.8	No	No	No	No		
2098	8 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	61.6	58.7	58.4	56.1	-3.2	-2.6	No	No	No	No		
2100	112 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	53.3	50.4	52.1	49.9	-1.2	-0.5	No	No	No	No		
2101	114 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	53.3	50.4	52.1	49.9	-1.2	-0.5	No	No	No	No		
2102	12 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.3	59.4	59.0	56.7	-3.3	-2.7	No	No	No	No		
2103	10 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.5	59.6	59.2	56.9	-3.3	-2.7	No	No	No	No		
2104	14 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.6	59.8	59.4	57.2	-3.2	-2.6	No	No	No	No		
2105	7-9 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	53.0	50.1	51.5	49.3	-1.5	-0.8	No	No	No	No		
2106	116 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	53.3	50.3	52.0	49.8	-1.3	-0.5	No	No	No	No		
2107	18 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.2	59.4	59.2	56.9	-3.0	-2.5	No	No	No	No		
2108	16 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	61.9	59.1	58.7	56.5	-3.2	-2.6	No	No	No	No		
2109	20 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	61.9	59.0	58.9	56.6	-3.0	-2.4	No	No	No	No		
2110	118 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	53.0	50.0	51.8	49.6	-1.2	-0.4	No	No	No	No		
2111	22 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	61.9	59.1	59.0	56.7	-2.9	-2.4	No	No	No	No		
2112	120 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	52.7	49.8	51.7	49.5	-1.0	-0.3	No	No	No	No		
2113	26 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	61.7	58.8	58.9	56.6	-2.8	-2.2	No	No	No	No		
2114	24 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	61.4	58.6	58.5	56.3	-2.9	-2.3	No	No	No	No		
2115	13 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.2	49.3	51.4	49.2	-0.8	-0.1	No	No	No	No		
2116	11 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.9	50.0	51.6	49.4	-1.3	-0.6	No	No	No	No		
2118	71 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	46.7	49.8	47.6	0.1	0.9	No	No	No	No		
2119	69 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	49.8	46.8	49.7	47.6	-0.1	0.8	No	No	No	No		
2120	15 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	51.6	48.7	51.1	48.9	-0.5	0.2	No	No	No	No		
2121	30 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	60.9	58.1	58.5	56.3	-2.4	-1.8	No	No	No	No		
2122	28 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	60.3	57.4	57.7	55.4	-2.6	-2.0	No	No	No	No		
2124	17 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	51.6	48.7	51.6	49.4	0.0	0.7	No	No	No	No		
2128	73 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	49.3	46.3	49.5	47.3	0.2	1.0	No	No	No	No		
2129	19 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.1	49.1	52.0	49.8	-0.1	0.7	No	No	No	No		
2130*	4862 NEW ENGLAND HIGHWAY MCDUGALLS HILL	Residential	55	50	64.5	61.6	63.4	61.2	-1.1	-0.4	Yes	Yes	No	Yes		
2131	34 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	56.9	54.0	55.4	53.2	-1.5	-0.8	Yes	No	No	No		
2132	21 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.1	49.2	52.4	50.2	0.3	1.0	No	No	No	No		
2133	75 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.9	45.8	49.7	47.5	0.8	1.7	No	No	No	No		
2135	36 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	58.1	55.3	57.0	54.8	-1.1	-0.5	Yes	Yes	No	Yes		
2136	40 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	59.4	56.5	58.5	56.3	-0.9	-0.2	Yes	Yes	No	Yes		
2137	38 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	58.4	55.6	57.0	54.8	-1.4	-0.8	Yes	Yes	No	Yes		
2138	23 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.5	49.5	52.9	50.7	0.4	1.2	Yes	No	No	No		
2141	44 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	58.6	55.7	58.3	56.1	-0.3	0.4	Yes	Yes	No	Yes		
2142	25 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.7	49.8	53.5	51.3	0.8	1.5	Yes	No	No	No		
2143	42 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	57.2	54.3	57.3	55.1	0.1	0.8	Yes	Yes	No	Yes		
2144	77 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.3	45.3	49.4	47.2	1.1	1.9	No	No	No	No		
2145	46 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	58.3	55.4	58.5	56.4	0.2	1.0	Yes	Yes	No	Yes		
2146	27 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	53.2	50.1	54.2	52.1	1.0	2.0	Yes	No	No	No		
2147	79 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	45.1	49.8	47.6	1.6	2.5	No	No	No	No		
2148	2 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.5	50.3	48.1	1.6	2.6	No	No	No	No		
2149	29 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	53.6	50.5	55.3	53.2	1.7	2.7	Yes	No	No	Yes		
2150	2 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	55.6	52.7	56.8	54.6	1.2	1.9	Yes	Yes	No	Yes		
2151	2 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	49.4	46.4	49.6	47.4	0.2	1.0	No	No	No	No		
2152	4 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	52.2	48.9	57.0	54.9	4.8	6.0	Yes	Yes	No	Yes		
2153	81 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.9	44.9	48.9	46.8	1.0	1.9	No	No	No	No		
2154	4 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.8	45.5	50.4	48.3	1.6	2.8	No	No	No	No		
2155	31 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	50.6	47.6	53.1	50.9	2.5	3.3	Yes	No	No	Yes		
2156	33 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	50.6	47.6	53.7	51.5	3.1	3.9	Yes	No	No	Yes		
2157	5 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.6	45.6	49.0	46.9	0.4	1.3	No	No	No	No		
2158	37 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	50.7	47.4	56.6	54.4	5.9	7.0	Yes	No	No	Yes		
2159	35 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	51.6	48.6	54.6	52.4	3.0	3.8	Yes	No	No	Yes		
2160	29 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.4	49.2	55.0	52.9	2.6	3.7	Yes	No	No	Yes		
2161	1 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.6	48.5	53.3	51.1	1.7	2.6	Yes	No	No	Yes		

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - No Noise Barrier										Exceedance of NCG Criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change							
			Day	Night	Day	Night	Day	Night	Day	Night						
2162	6 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.7	47.1	47.1	56.3	54.2	5.6	7.1	Yes	No	No	Yes	
2163	1 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	49.1	46.2	48.9	46.8	-0.2	0.6	No	No	No	No		
2164	4 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	45.0	49.2	47.1	1.0	2.1	No	No	No	No		
2165	37 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	50.5	47.1	56.4	54.3	5.9	7.2	Yes	No	No	Yes		
2166	6 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.4	45.2	49.9	47.8	1.5	2.4	No	No	No	No		
2167	8 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.8	46.6	55.5	53.3	5.7	6.7	Yes	No	No	Yes		
2168	2 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.4	48.0	54.9	52.7	3.5	4.7	Yes	No	No	Yes		
2169	3 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.3	47.2	52.0	49.8	1.7	2.4	No	No	No	No		
2170	1 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.0	46.6	56.2	54.1	6.2	7.5	Yes	No	No	Yes		
2171	7 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	44.5	49.1	46.9	1.5	2.4	No	No	No	No		
2172	9 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.6	45.3	49.6	47.4	1.0	2.1	No	No	No	No		
2173	6 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.9	49.5	47.4	1.3	2.5	No	No	No	No		
2174	10 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.3	46.9	56.5	54.3	6.2	7.4	Yes	No	No	Yes		
2175	38 MAISON DIEU ROAD MCDUGALLS HILL	Residential	55	50	59.3	55.8	58.6	54.9	-0.7	-0.9	Yes	Yes	No	Yes		
2176	5 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.2	47.0	51.7	49.6	1.5	2.4	No	No	No	No		
2177	3 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.3	46.8	56.9	54.7	6.6	7.9	Yes	Yes	No	Yes		
2178	9 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.5	50.3	48.2	1.6	2.1	No	No	No	No		
2179	8 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	45.1	49.8	47.6	1.6	2.5	No	No	No	No		
2180	16 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	51.8	48.6	54.4	52.2	2.6	3.6	Yes	No	No	Yes		
2181	3 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	44.3	48.5	46.3	1.0	2.0	No	No	No	No		
2182	7 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	51.0	48.0	53.9	51.7	2.9	3.7	Yes	No	No	Yes		
2183	4 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.8	48.5	55.0	52.9	3.2	4.4	Yes	No	No	Yes		
2184	58 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	55.8	52.3	54.7	51.7	-1.1	-0.4	No	No	No	No		
2185	58 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	57.7	54.1	57.8	52.1	0.1	-2.0	No	No	No	No		
2186	12 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.8	47.2	57.6	55.4	6.8	8.2	Yes	Yes	No	Yes		
2187	38 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	57.8	54.3	56.8	54.0	-1.0	-0.3	No	No	No	No		
2188	5 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	51.3	48.0	54.2	52.0	2.9	4.0	Yes	No	No	Yes		
2189	7 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.1	44.8	49.3	47.1	1.2	2.3	No	No	No	No		
2190	58 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	55.2	51.5	54.4	51.3	-0.8	-0.2	No	No	No	No		
2191	38 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	57.6	54.1	56.5	53.9	-1.1	-0.2	No	No	No	No		
2192	14 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.7	47.1	57.4	55.3	6.7	8.2	Yes	Yes	No	Yes		
2193	58 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	52.3	48.6	51.3	48.2	-1.0	-0.4	No	No	No	No		
2194	6 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.5	48.2	54.9	52.8	3.4	4.6	Yes	No	No	Yes		
2195	14 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	49.5	45.9	53.4	51.2	3.9	5.3	Yes	No	No	Yes		
2196	5 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.2	46.7	56.4	54.2	6.2	7.5	Yes	No	No	Yes		
2197	8 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.4	49.8	47.7	1.1	2.3	No	No	No	No		
2198	11 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.8	45.5	50.2	48.1	1.4	2.4	No	No	No	No		
2199	58 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	55.0	51.3	53.5	50.8	-1.5	-0.5	No	No	No	No		
2200	58 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	51.4	47.7	50.5	47.6	-0.9	-0.1	No	No	No	No		
2201	58 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	56.0	52.4	54.1	51.8	-1.9	-0.4	No	No	No	No		
2202	7 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.9	46.6	51.6	49.4	1.7	2.8	No	No	No	No		
2203	8 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.9	49.5	47.4	1.3	2.5	No	No	No	No		
2204	58 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	56.7	53.2	55.1	52.8	-1.6	-0.4	No	No	No	No		
2205	5 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.3	44.1	48.4	46.2	1.1	2.1	No	No	No	No		
2206	3 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	50.2	46.9	53.5	51.4	3.3	4.5	Yes	No	No	Yes		
2207	12 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	50.4	46.9	54.0	51.8	3.6	4.9	Yes	No	No	Yes		
2208	9 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.0	46.7	51.6	49.4	1.6	2.1	No	No	No	No		
2209	58 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	56.6	53.1	55.2	52.8	-1.4	-0.3	No	No	No	No		
2210	16 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.5	47.0	57.2	55.0	6.7	8.0	Yes	Yes	No	Yes		
2211	7 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.5	47.1	56.1	54.0	5.6	6.9	Yes	No	No	Yes		
2212	8 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.2	47.8	54.9	52.7	3.7	4.9	Yes	No	No	Yes		
2213	10 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.9	45.6	50.5	48.3	1.6	2.1	No	No	No	No		
2214	10 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.4	50.1	48.0	1.4	2.4	No	No	No	No		
2215	13 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.1	45.7	50.2	48.1	1.7	2.4	No	No	No	No		
2216	5 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.4	44.2	48.6	46.5	1.2	2.3	No	No	No	No		
2217	18 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.0	46.6	57.4	55.2	7.4	8.6	Yes	Yes	No	Yes		
2218	1 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	49.8	46.4	53.6	51.5	3.8	5.1	Yes	No	No	Yes		
2219	10 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	50.6	47.1	53.9	51.7	3.3	4.6	Yes	No	No	Yes		
2220	7 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.9	48.1	46.0	1.0	2.1	No	No	No	No		
2221	58 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	56.4	52.8	54.9	52.6	-1.5	-0.2	No	No	No	No		
2222	11 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.9	46.6	51.6	49.5	1.7	2.9	No	No	No	No		
2223	15 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.8	45.5	50.3	48.2	1.5	2.1	No	No	No	No		
2224	14 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	44.3	49.1	46.9	1.6	2.4	No	No	No	No		
2225	10 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.6	48.3	55.0	52.8	3.4	4.5	Yes	No	No	Yes		
2226	12 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.4	45.1	50.0	47.8	1.6	2.1	No	No	No	No		
2227	9 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.3	46.8	55.5	53.3	5.2	6.5	Yes	No	No	Yes		
2228	3 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.1	43.9	48.1	46.0	1.0	2.1	No	No	No	No		
2229*	4864 NEW ENGLAND HIGHWAY MCDUGALLS HILL	Residential	55	50	59.4	56.5	60.3	58.2	0.9	1.7	Yes	Yes	No	Yes		
2230	20 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.1	46.5	56.9	54.7	6.8	8.2	Yes	Yes	No	Yes		
2231	13 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	46.3	52.0	49.8	2.3	3.5	No	No	No	No		
2232	8 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	50.4	46.9	53.7	51.5	3.3	4.6	Yes	No	No	Yes		
2233	9 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.6	48.1	46.0	1.2	2.4	No	No	No	No		
2234	8 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.7	45.4	50.5	48.3	1.8	2.9	No	No	No	No		
2236	12 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.5	48.1	55.1	52.9	3.6	4.8	Yes	No	No	Yes		
2237	14 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.9	44.7	49.8	47.6	1.9	2.9	No	No	No	No		
2238	19 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.3	44.8	50.3	48.1	2.0	3.3	No	No	No	No		
2239	6 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.3	45.0	50.1	48.0	1.8	3.0	No	No	No	No		
2240	22 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.0	46.4	56.7	54.5	6.7	8.1	Yes	Yes	No	Yes		
2241	17 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	46.6	42.8	48.6	46.4	2.0	3.4	No	No	No	No		
2242	15 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	46.4	51.9	49.7	2.2	3.3	No	No	No	No		
2243	6 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	49.7	46.4	53.2	51.0	3.5	4.6	Yes	No	No	Yes		
2244	1 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	46.8	43.4	47.9	45.8	1.1	2.4	No	No	No	No		
2245	11 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	43.2	47.6	45.5	1.1	2.3	No	No	No	No		
2246	14 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.2	47.8	55.0	52.9	3.8	5.1	Yes	No	No	Yes		
2247	16 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.1	44.6	49.7	47.6	1.6	3.0	No	No	No	No		
2248	4 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	49.6	46.3	53.2	51.0	3.6	4.7	Yes	No	No	Yes		
2249	17 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	52.0	48.6	55.0	52.8	3.0	4.2	Yes	No	No	Yes		
2250	4 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.9	44.7	49.7	47.6	1.8	2.9	No	No	No	No		
2251	24 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	46.0	56.4	54.2	6.7	8.2	Yes	No	No	Yes		
2252	16 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.1	47.7	54.9	52.8	3.8	5.1	Yes	No	No	Yes		
2253	2 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	49.4	46.2	53.2	51.1	3.8	4.9	Yes	No	No	Yes		
2254	11 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.0	46.3	55.2	53.1	5.2	6.8	Yes	No	No	Yes		
2255	18 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.7	49.8	47.7	1.6	3.0	No	No	No	No		

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - No Noise Barrier										Exceedance of NCG Criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change							
			Day	Night	Day	Night	Day	Night	Day	Night						
2256	1 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	45.0	42.0	43.7	40.9	1.7	No	No	No	No			
2257	11 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.6	47.4	45.3	0.5	1.7	No	No	No			
2258	13 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	43.1	47.6	45.5	1.2	2.4	No	No	No			
2259	3 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	42.3	46.5	44.4	1.2	2.1	No	No	No			
2260	5 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	45.7	42.7	46.8	44.6	1.1	1.9	No	No	No			
2261	26 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.6	45.9	55.9	53.7	6.3	7.8	Yes	No	Yes			
2262	19 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.4	46.0	52.0	49.9	2.6	3.9	No	No	No			
2263	20 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	47.4	43.8	49.2	47.0	1.8	3.2	No	No	No			
2264	18 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	52.2	48.9	56.4	54.2	4.2	5.3	Yes	No	Yes			
2265	2 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.8	44.4	49.3	47.2	1.5	2.8	No	No	No			
2266	13 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.4	45.7	54.7	52.5	5.3	6.8	Yes	No	Yes			
2267	20 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.3	44.9	50.2	48.1	1.9	3.2	No	No	No			
2268	18 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	42.8	48.1	45.9	1.6	3.1	No	No	No			
2269	21 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.5	45.9	52.2	50.0	2.7	4.1	No	No	No			
2270	20 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.3	47.1	54.5	52.4	4.2	5.3	Yes	No	Yes			
2271	28 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.0	46.5	55.5	53.3	5.5	6.8	Yes	No	Yes			
2272	22 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.7	47.2	54.8	52.6	4.1	5.4	Yes	No	Yes			
2273	23 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	46.2	52.4	50.2	2.7	4.0	No	No	No			
2274	22 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.8	44.5	50.1	47.9	2.3	3.4	No	No	No			
2275	15 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.2	45.4	54.4	52.2	5.2	6.8	Yes	No	Yes			
2276	22 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	46.3	53.1	51.0	3.4	4.7	Yes	No	Yes			
2277	22 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.7	50.0	47.8	1.8	3.1	No	No	No			
2278	21 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	45.1	50.3	48.2	1.8	3.1	No	No	No			
2279	1 PARK VIEW CRESCENT MCDUGALLS HILL	Residential	55	50	66.0	62.4	62.3	60.4	-3.7	-2.0	No	No	No			
2280	30 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	45.8	55.4	53.3	5.7	7.5	Yes	No	Yes			
2281	24 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.7	44.3	49.8	47.6	2.1	3.3	No	No	No			
2282	23 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	43.5	48.2	46.1	1.8	2.6	No	No	No			
2283	25 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.4	45.9	52.4	50.2	3.0	4.3	No	No	No			
2284	15 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	43.6	48.3	46.1	1.3	2.5	No	No	No			
2285	2 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	45.4	42.4	46.8	44.6	1.4	2.2	No	No	No			
2286	24 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.3	44.8	50.4	48.3	2.1	3.5	No	No	No			
2287	24 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.0	46.5	54.4	52.2	4.4	5.7	Yes	No	Yes			
2288	4 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	42.7	47.2	45.1	1.4	2.4	No	No	No			
2289	6 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	46.2	43.2	47.9	45.7	1.7	2.5	No	No	No			
2290	8 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	43.2	48.1	46.0	1.8	2.8	No	No	No			
2291	10 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	43.5	48.4	46.3	1.9	2.8	No	No	No			
2292	12 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	43.3	48.1	46.0	1.8	2.7	No	No	No			
2293	25 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.7	49.9	47.8	1.7	3.1	No	No	No			
2294	26 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.0	44.5	49.8	47.7	1.8	3.2	No	No	No			
2295	17 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.8	48.5	46.3	1.4	2.5	No	No	No			
2296	33 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	43.4	48.1	46.0	1.7	2.6	No	No	No			
2297	26 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.4	46.8	55.3	53.1	4.9	6.3	Yes	No	Yes			
2298	27 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.2	45.7	52.6	50.4	3.4	4.7	No	No	No			
2299	32 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.2	45.3	55.0	52.8	5.8	7.5	Yes	No	Yes			
2300	26 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	45.0	50.7	48.5	2.2	3.5	No	No	No			
2301	28 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	44.2	49.3	47.2	1.7	3.0	No	No	No			
2302	31 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	42.8	47.5	45.3	1.1	2.5	No	No	No			
2303	3 PARK VIEW CRESCENT MCDUGALLS HILL	Residential	55	50	58.5	54.5	55.4	53.5	-3.1	-1.0	No	No	No			
2304	28 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.6	47.0	55.2	53.1	4.6	6.1	Yes	No	Yes			
2305	27 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.1	44.6	50.0	47.9	1.9	3.3	No	No	No			
2306	29 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.3	45.7	52.9	50.7	3.6	5.0	Yes	No	Yes			
2307	5 PARK VIEW CRESCENT MCDUGALLS HILL	Residential	55	50	55.9	51.9	54.1	51.9	-1.8	0.0	Yes	No	No			
2309	19 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.7	48.5	46.3	1.4	2.6	No	No	No			
2310	28 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	44.9	50.8	48.7	2.3	3.8	No	No	No			
2311	30 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	44.0	49.2	47.0	1.7	3.0	No	No	No			
2312	29 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	43.1	47.9	45.7	1.4	2.6	No	No	No			
2313	30 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.1	46.6	54.9	52.7	4.8	6.1	Yes	No	Yes			
2314	31 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.5	45.9	53.1	50.9	3.6	5.0	Yes	No	Yes			
2315	21 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.6	48.4	46.2	1.3	2.6	No	No	No			
2316	25 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.0	42.8	47.4	45.2	1.4	2.4	No	No	No			
2317	32 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.7	47.1	55.6	53.5	4.9	6.4	Yes	No	Yes			
2319	32 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	43.2	47.9	45.8	1.6	2.6	No	No	No			
2320	29 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.1	44.6	50.1	48.0	2.0	3.4	No	No	No			
2321	30 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.4	44.9	50.9	48.7	2.5	3.8	No	No	No			
2322	21 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	45.5	42.3	47.2	45.0	1.7	2.7	No	No	No			
2323	27 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	43.0	47.8	45.6	1.4	2.6	No	No	No			
2324	19 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	43.2	48.2	46.0	1.5	2.8	No	No	No			
2325	23 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	45.1	41.9	46.4	44.2	1.3	2.3	No	No	No			
2326	31 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	47.9	44.5	50.0	47.8	2.1	3.3	No	No	No			
2327	33 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	46.0	53.3	51.2	3.6	5.2	Yes	No	Yes			
2328	34 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.9	47.3	56.0	53.9	5.1	6.6	Yes	No	Yes			
2329	23 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.2	43.7	48.6	46.4	1.4	2.7	No	No	No			
2331	32 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	44.9	51.3	49.2	2.8	4.3	No	No	No			
2332	4876 NEW ENGLAND HIGHWAY MCDUGALLS HILL	Residential	55	50	50.7	47.1	65.2	62.0	14.5	14.9	Yes	No	Yes			
2333	35 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.6	46.0	53.4	51.3	3.8	5.3	Yes	No	Yes			
2334	17 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.6	43.4	48.0	45.8	1.4	2.4	No	No	No			
2335	33 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	47.2	43.7	49.6	47.4	2.4	3.7	No	No	No			
2336	34 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	46.0	42.5	47.2	45.0	1.2	2.5	No	No	No			
2337	52 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.8	43.3	47.7	45.5	0.9	2.2	No	No	No			
2338	36 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.9	45.0	54.1	51.9	5.2	6.9	Yes	No	Yes			
2339	37 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.4	45.9	53.3	51.2	3.9	5.3	Yes	No	Yes			
2340	34 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.0	44.3	51.0	48.8	3.0	4.5	No	No	No			
2341	15 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	45.2	42.0	47.8	45.6	2.6	3.6	No	No	No			
2342	50 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	43.0	47.5	45.3	1.1	2.3	No	No	No			
2344	39 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.1	45.6	53.3	51.1	4.2	5.5	Yes	No	Yes			
2345	13 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	43.4	48.5	46.4	1.8	3.0	No	No	No			
2346	41 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.4	45.6	54.0	51.8	4.6	6.2	Yes	No	Yes			
2347	35 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	42.8	48.7	46.6	2.3	3.8	No	No	No			
2348	48 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.8	47.4	45.3	1.1	2.5	No	No	No			
2349	38 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.1	45.2	54.0	51.8	4.9	6.6	Yes	No	Yes			
2351	46 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	45.4	42.1	46.8	44.6	1.4	2.5	No	No	No			
2352	36 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	46.2	42.9	49.7	47.5	3.5	4.6	No	No	No			
2353	17 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.1	44.3	52.5	50.4	4.4	6.1	No	No	No			

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - No Noise Barrier									Exceedance of NCG Criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation			
			Criteria			Do Minimum			Design							Change		
			Day	Night		Day	Night		Day	Night						Day	Night	
2354	9 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.3	44.7	50.6	48.5	2.3	3.8	No	No	No	No				
2355	34 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.4	48.3	46.2	1.4	2.8	No	No	No	No				
2356	36 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	43.3	48.1	46.0	1.4	2.7	No	No	No	No				
2357	38 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.2	42.9	47.8	45.6	1.6	2.7	No	No	No	No				
2358	40 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	45.5	42.3	47.1	44.9	1.6	2.6	No	No	No	No				
2359	11 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	44.1	50.7	48.6	3.2	4.5	No	No	No	No				
2360	40 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	44.8	53.4	51.2	4.7	6.4	Yes	No	No	Yes				
2361	32 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	43.1	48.1	45.9	1.6	2.8	No	No	No	No				
2362	42 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	44.2	40.6	46.6	44.5	2.4	3.9	No	No	No	No				
2363	2 PARK VIEW CRESCENT MCDUGALLS HILL	Residential	55	50	66.9	62.4	62.9	61.0	-4.0	-1.4	No	No	No	No				
2364	30 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.8	43.4	48.4	46.3	1.6	2.9	No	No	No	No				
2365	44 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	44.7	41.6	46.5	44.3	1.8	2.7	No	No	No	No				
2366	7 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.6	45.0	51.7	49.6	3.1	4.6	No	No	No	No				
2367	19 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.3	52.5	50.3	4.3	6.0	No	No	No	No				
2368	5 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.6	45.0	51.4	49.3	2.8	4.3	No	No	No	No				
2369	28 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.6	48.7	46.5	1.6	2.9	No	No	No	No				
2371	3 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.7	51.2	49.0	3.0	4.3	No	No	No	No				
2372	26 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.7	48.8	46.6	1.7	2.9	No	No	No	No				
2373	42 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	44.6	52.9	50.7	4.4	6.1	Yes	No	No	Yes				
2374	22 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	43.5	48.7	46.6	1.7	3.1	No	No	No	No				
2375	24 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.6	43.1	48.3	46.1	1.7	3.0	No	No	No	No				
2376	1 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.3	44.5	52.5	50.3	4.2	5.8	No	No	No	No				
2377	44 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.1	51.5	49.3	3.3	5.2	No	No	No	No				
2378	20 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.5	48.7	46.6	1.6	3.1	No	No	No	No				
2380	18 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.3	43.8	49.1	47.0	1.8	3.2	No	No	No	No				
2381	16 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	44.0	49.5	47.3	1.9	3.3	No	No	No	No				
2383	12 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	43.9	49.5	47.3	2.0	3.4	No	No	No	No				
2384	14 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.5	49.0	46.9	2.1	3.4	No	No	No	No				
2385	46 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.1	44.2	51.9	49.7	3.8	5.5	No	No	No	No				
2386	10 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.3	43.8	49.4	47.2	2.1	3.4	No	No	No	No				
2387	8 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.7	44.1	50.0	47.9	2.3	3.8	No	No	No	No				
2388	48 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	47.9	43.9	51.9	49.7	4.0	5.8	No	No	No	No				
2389	6 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.7	44.2	50.5	48.3	2.8	4.1	No	No	No	No				
2390	4 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.0	44.2	50.7	48.5	2.7	4.3	No	No	No	No				
2391	2 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.4	44.7	51.1	49.0	2.7	4.3	No	No	No	No				
2392	50 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	43.7	51.4	49.2	3.8	5.5	No	No	No	No				
2393	21 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.4	44.7	51.7	49.6	3.3	4.9	No	No	No	No				
2394	12 MCDUGALL CLOSE MCDUGALLS HILL	Residential	55	50	56.6	52.3	53.6	51.6	-3.0	-0.7	No	No	No	No				
2395	4 PARK VIEW CRESCENT MCDUGALLS HILL	Residential	55	50	62.7	58.1	59.0	57.1	-3.7	-1.0	No	No	No	No				
2396	52 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	47.4	43.5	50.9	48.7	3.5	5.2	No	No	No	No				
2399	54 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	43.0	50.4	48.2	3.4	5.2	No	No	No	No				
2401	56 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	43.0	50.8	48.6	3.8	5.6	No	No	No	No				
2403	58 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	42.8	50.6	48.4	3.9	5.6	No	No	No	No				
2405	11 MCDUGALL CLOSE MCDUGALLS HILL	Residential	55	50	54.4	50.2	52.2	50.1	-2.2	-0.1	No	No	No	No				
2407	60 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	42.5	50.1	47.9	3.7	5.4	No	No	No	No				
2408	99 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	42.3	47.3	45.2	1.5	2.9	No	No	No	No				
2409	62 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	41.8	48.6	46.5	2.8	4.7	No	No	No	No				
2412	10 MCDUGALL CLOSE MCDUGALLS HILL	Residential	55	50	62.6	58.0	59.0	57.1	-3.6	-0.9	No	No	No	No				
2413	64 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.4	41.4	48.4	46.2	3.0	4.8	No	No	No	No				
2414	2 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.4	41.4	48.3	46.1	2.9	4.7	No	No	No	No				
2415	92 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	41.7	46.9	44.8	1.6	3.1	No	No	No	No				
2416	86 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	44.5	41.0	46.0	43.9	1.5	2.9	No	No	No	No				
2417	23 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.7	41.0	46.4	44.3	1.7	3.3	No	No	No	No				
2418	1 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.3	42.7	48.9	46.8	2.6	4.1	No	No	No	No				
2419	84 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.2	41.7	47.1	45.0	1.9	3.3	No	No	No	No				
2420	88 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	44.1	40.6	45.7	43.6	1.6	3.0	No	No	No	No				
2421	90 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	44.2	40.7	45.8	43.7	1.6	3.0	No	No	No	No				
2422	4 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.4	41.6	48.4	46.2	3.0	4.6	No	No	No	No				
2423	82 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	41.6	47.5	45.4	2.2	3.8	No	No	No	No				
2425	80 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	41.8	47.5	45.4	2.2	3.6	No	No	No	No				
2426	78 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.4	41.8	47.6	45.5	2.2	3.7	No	No	No	No				
2427	66 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.5	42.0	48.3	46.1	2.8	4.1	No	No	No	No				
2429	76 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	41.7	47.8	45.7	2.5	4.0	No	No	No	No				
2430	23 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.4	40.9	45.8	43.7	1.4	2.8	No	No	No	No				
2431	74 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.5	41.9	47.7	45.6	2.2	3.7	No	No	No	No				
2432	70 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	41.7	47.8	45.6	2.5	3.9	No	No	No	No				
2433	68 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.2	41.7	48.0	45.8	2.8	4.1	No	No	No	No				
2434	28 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.9	41.3	46.2	44.0	1.3	2.7	No	No	No	No				
2435	84 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	42.6	39.1	44.6	42.5	2.0	3.4	No	No	No	No				
2436	6 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.0	41.2	47.8	45.6	2.8	4.4	No	No	No	No				
2437	3 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.6	41.9	48.4	46.3	2.8	4.4	No	No	No	No				
2438	72 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.1	41.6	47.6	45.5	2.5	3.9	No	No	No	No				
2439	4 FOREST AVENUE SINGLETON HEIGHTS	Residential	55	50	44.1	40.4	44.6	42.5	0.5	2.1	No	No	No	No				
2440	82 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	44.9	41.2	46.3	44.2	1.4	3.0	No	No	No	No				
2443	9 MCDUGALL CLOSE MCDUGALLS HILL	Residential	55	50	56.7	52.3	54.2	52.2	-2.5	-0.1	No	No	No	No				
2444	8 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.8	41.0	47.6	45.4	2.8	4.4	No	No	No	No				
2445	6 FOREST AVENUE SINGLETON HEIGHTS	Residential	55	50	43.6	40.1	45.1	43.0	1.5	2.9	No	No	No	No				
2447	26 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.0	41.5	46.4	44.3	1.4	2.8	No	No	No	No				
2448	15 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	43.7	40.0	45.9	43.7	2.2	3.7	No	No	No	No				
2449	13 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.0	41.4	46.6	44.4	1.6	3.0	No	No	No	No				
2450	5 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.5	41.8	48.3	46.1	2.8	4.3	No	No	No	No				
2451	8 FOREST AVENUE SINGLETON HEIGHTS	Residential	55	50	43.8	40.0	45.1	43.0	1.3	3.0	No	No	No	No				
2452	24 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.1	41.5	46.3	44.2	1.2	2.7	No	No	No	No				
2453	11 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.7	41.2	46.6	44.5	1.9	3.3	No	No	No	No				
2454	9 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.5	40.9	46.0	43.9	1.5	3.0	No	No	No	No				
2455	5 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.5	40.7	45.9	43.7	1.4	3.0	No	No	No	No				
2456	7 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.4	40.7	45.8	43.6	1.4	2.9	No	No	No	No				
2457	24 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.8	41.3	46.2	44.0	1.4	2.7	No	No	No	No				
2458	10 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.5	40.7	47.3	45.2	2.8	4.5	No	No	No	No				
2459	7 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.2	41.5	48.1	45.9	2.9	4.4	No	No	No	No				
2460	20 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.5	40.9	45.9	43.8	1.4	2.9	No	No	No	No				
2461	1 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.1	41.5	47.1	45.0	2.0	3.5	No	No	No	No				
2462	3 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.7	41.0	46.7	44.5	2.0	3.5	No	No	No	No				

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - No Noise Barrier										Exceedance of NCG Criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change							
			Day	Night	Day	Night	Day	Night	Day	Night						
2463	18 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.5	41.0	46.5	44.4	2.0	3.4	No	No	No	No		
2464	14 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.1	40.6	46.6	44.5	2.5	3.9	No	No	No	No		
2465	2 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	44.7	41.3	47.2	45.1	2.5	3.8	No	No	No	No		
2466	11 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.2	40.6	46.6	44.5	2.4	3.9	No	No	No	No		
2467	1 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	44.9	41.2	46.8	44.6	1.9	3.4	No	No	No	No		
2468	3 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	45.3	41.7	47.3	45.2	2.0	3.5	No	No	No	No		
2469	1 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	43.7	40.3	45.9	43.7	2.2	3.4	No	No	No	No		
2470	10 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.0	40.4	46.4	44.3	2.4	3.9	No	No	No	No		
2471	2 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	42.9	39.2	44.0	41.9	1.1	2.7	No	No	No	No		
2472	16 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.8	41.1	45.7	43.6	0.9	2.5	No	No	No	No		
2473	26 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.1	41.4	46.5	44.4	1.4	3.0	No	No	No	No		
2474	2 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.0	41.4	46.8	44.6	1.8	3.2	No	No	No	No		
2475	14 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.0	41.4	47.4	45.2	2.4	3.8	No	No	No	No		
2476	3 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	41.5	47.8	45.6	2.5	4.1	No	No	No	No		
2477	5 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	41.6	47.7	45.5	2.4	3.9	No	No	No	No		
2478	2 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.2	40.4	46.6	44.4	2.4	4.0	No	No	No	No		
2479	9 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.3	41.8	47.8	45.6	2.5	3.8	No	No	No	No		
2480	3 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.3	40.7	46.2	44.0	1.9	3.3	No	No	No	No		
2481	9 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.6	40.9	46.8	44.7	2.2	3.8	No	No	No	No		
2482	4 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	45.2	41.6	47.3	45.2	2.1	3.6	No	No	No	No		
2483	4 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	44.4	40.6	46.1	44.0	1.7	3.4	No	No	No	No		
2484	24 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.4	40.8	46.7	44.6	2.3	3.8	No	No	No	No		
2485	16 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.1	40.4	47.0	44.8	2.9	4.4	No	No	No	No		
2486	4 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.9	41.2	46.6	44.4	1.7	3.2	No	No	No	No		
2487	4 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.6	40.9	46.9	44.8	2.3	3.9	No	No	No	No		
2488	5 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	44.0	40.5	45.2	43.1	1.2	2.6	No	No	No	No		
2489	7 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	44.4	41.0	47.3	45.2	2.9	4.2	No	No	No	No		
2490	8 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.3	41.8	47.8	45.7	2.5	3.9	No	No	No	No		
2491	11 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.2	41.6	47.8	45.7	2.6	4.1	No	No	No	No		
2492	7 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.7	42.1	48.6	46.4	2.9	4.3	No	No	No	No		
2493	18 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	43.8	40.1	46.4	44.3	2.6	4.2	No	No	No	No		
2494	6 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	44.4	40.6	46.4	44.3	2.0	3.7	No	No	No	No		
2495	17 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	45.8	42.3	47.9	45.8	2.1	3.5	No	No	No	No		
2496	6 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	44.3	40.9	46.6	44.5	2.3	3.6	No	No	No	No		
2497	7 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	46.4	42.8	48.8	46.7	2.4	3.9	No	No	No	No		
2498	5 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	46.6	43.0	48.9	46.8	2.3	3.8	No	No	No	No		
2499	22 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.1	41.4	47.5	45.3	2.4	3.9	No	No	No	No		
2500	6 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.3	40.5	46.6	44.4	2.3	3.9	No	No	No	No		
2501	9 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.9	42.3	48.8	46.6	2.9	4.3	No	No	No	No		
2502	20 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	42.5	38.7	42.7	40.6	0.2	1.9	No	No	No	No		
2503	8 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	44.5	41.0	47.1	45.0	2.6	4.0	No	No	No	No		
2504	13 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.0	41.3	47.7	45.6	2.7	4.3	No	No	No	No		
2505	6 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.6	42.2	48.3	46.1	2.7	3.9	No	No	No	No		
2506	20 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.4	41.7	48.1	46.0	2.7	4.3	No	No	No	No		
2507	19 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.9	41.3	45.8	43.7	0.9	2.4	No	No	No	No		
2508	45 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	42.0	38.8	44.2	42.0	2.2	3.2	No	No	No	No		
2509	8 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.2	40.5	46.8	44.7	2.6	4.2	No	No	No	No		
2510	43 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.1	41.5	47.6	45.5	2.5	4.0	No	No	No	No		
2511	11 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.2	42.5	49.2	47.0	3.0	4.5	No	No	No	No		
2513	18 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.5	40.7	46.6	44.4	2.1	3.7	No	No	No	No		
2514	10 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	44.9	41.4	47.5	45.3	2.6	3.9	No	No	No	No		
2515	15 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.8	41.0	47.7	45.6	2.9	4.6	No	No	No	No		
2516	41 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.3	41.8	46.7	44.6	1.4	2.8	No	No	No	No		
2517	13 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.5	49.0	46.9	2.7	4.4	No	No	No	No		
2518	10 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.3	40.8	47.3	45.1	3.0	4.3	No	No	No	No		
2519	24 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.2	40.5	46.7	44.6	2.5	4.1	No	No	No	No		
2520	39 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.0	42.5	48.6	46.5	2.6	4.0	No	No	No	No		
2521	21 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	45.3	41.7	46.7	44.5	1.4	2.8	No	No	No	No		
2522	37 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.2	41.7	46.8	44.7	1.6	3.0	No	No	No	No		
2524	23 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.7	41.4	46.7	44.6	2.0	3.2	No	No	No	No		
2525	15 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.1	42.4	49.1	47.0	3.0	4.6	No	No	No	No		
2526	16 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.4	41.8	48.4	46.3	3.0	4.5	No	No	No	No		
2527	12 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.2	40.3	46.6	44.4	2.4	4.1	No	No	No	No		
2528	17 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.9	41.1	48.0	45.9	3.1	4.8	No	No	No	No		
2529	35 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.7	42.2	48.7	46.6	3.0	4.4	No	No	No	No		
2530	12 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	42.0	47.5	45.3	1.7	3.3	No	No	No	No		
2531	26 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.5	40.8	47.1	44.9	2.6	4.1	No	No	No	No		
2532	56 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.1	41.5	46.0	43.9	0.9	2.4	No	No	No	No		
2533	17 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	42.9	49.3	47.1	2.8	4.2	No	No	No	No		
2534	14 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.6	41.1	47.6	45.5	3.0	4.4	No	No	No	No		
2535	28 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.9	41.2	47.8	45.7	2.9	4.5	No	No	No	No		
2536	19 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.8	41.1	48.0	45.8	3.2	4.7	No	No	No	No		
2537	58 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.4	40.5	44.1	42.0	-0.3	1.5	No	No	No	No		
2538	60 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	43.7	39.9	43.2	41.1	-0.5	1.2	No	No	No	No		
2539	24 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	42.3	38.9	42.5	40.4	0.2	1.5	No	No	No	No		
2540	14 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.5	48.6	46.5	2.3	4.0	No	No	No	No		
2541	16 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	42.4	49.2	47.1	3.4	4.7	No	No	No	No		
2542	21 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.7	41.9	49.1	46.9	3.4	5.0	No	No	No	No		
2543	54 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.7	41.3	46.1	44.0	1.4	2.7	No	No	No	No		
2544	31 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.1	42.4	49.1	47.0	3.0	4.6	No	No	No	No		
2545	23 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	43.1	39.8	46.2	44.1	3.1	4.3	No	No	No	No		
2546	30 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.2	41.6	48.6	46.5	3.4	4.9	No	No	No	No		
2547	50 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.1	42.1	46.7	44.6	0.6	2.5	No	No	No	No		
2548	52 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.7	41.7	45.9	43.8	0.2	2.1	No	No	No	No		
2549	33 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.8	42.2	49.0	46.9	3.2	4.7	No	No	No	No		
2550	6 MCDUGALL CLOSE MCDUGALLS HILL	Residential	55	50	57.7	53.3	55.5	53.5	-2.2	0.2	No	No	No	No		
2551	29 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.8	42.2	48.2	46.1	2.4	3.9	No	No	No	No		
2552	25 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.4	41.0	47.4	45.3	3.0	4.3	No	No	No	No		
2553	32 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.5	42.0	48.4	46.3	2.9	4.3	No	No	No	No		
2554	46 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.8	42.0	47.2	45.1	1.4	3.1	No	No	No	No		
2555	48 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.9	42.0	47.9	45.8	2.0	3.8	No	No	No	No		
2556	27 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.1	41.6	48.0	45.9	2.9	4.3	No	No	No	No		
2557	26 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	43.3	39.7	43.9	41.8	0.6	2.1	No	No	No	No		

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - No Noise Barrier										Exceedance of NCG Criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change							
			Day	Night	Day	Night	Day	Night	Day	Night						
2558	44 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.5	40.9	46.2	44.2	1.7	3.3	No	No	No	No		
2559	42 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.7	41.9	47.1	44.9	1.4	3.0	No	No	No	No		
2560	34 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	38.6	40.9	47.6	45.5	9.0	4.6	No	No	No	No		
2561	13B BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	44.0	40.0	44.2	42.1	0.2	2.1	No	No	No	No		
2562	13B BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	44.3	40.2	44.6	42.4	0.3	2.2	No	No	No	No		
2563	40 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.6	42.7	47.4	45.3	0.8	2.6	No	No	No	No		
2564	33 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.6	41.1	45.9	43.8	1.3	2.7	No	No	No	No		
2565	14 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	45.0	40.9	45.7	43.5	0.7	2.6	No	No	No	No		
2566	2 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	42.1	47.6	45.5	2.3	3.4	No	No	No	No		
2567	2 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	40.4	44.0	49.2	47.0	8.8	3.0	No	No	No	No		
2568	3 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.0	41.8	47.5	45.3	2.5	3.5	No	No	No	No		
2569	7 MCDougall Close MCDougalls Hill	Residential	55	50	60.4	55.9	57.6	55.5	-2.8	-0.4	No	No	No	No		
2570	13 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	45.5	41.7	47.0	44.8	1.5	3.1	No	No	No	No		
2571	38 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.4	42.1	47.5	45.3	2.1	3.2	No	No	No	No		
2572	1 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	41.7	44.1	50.9	48.8	9.2	4.7	No	No	No	No		
2573	4 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	40.8	44.5	50.4	48.2	9.6	3.7	No	No	No	No		
2574	15 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	45.6	41.6	46.5	44.4	0.9	2.8	No	No	No	No		
2575	30 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.3	40.7	45.0	42.9	0.7	2.2	No	No	No	No		
2576	30 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.2	40.7	44.8	42.7	0.6	2.0	No	No	No	No		
2577	12 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.0	43.1	48.4	46.3	1.4	3.2	No	No	No	No		
2578	4 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.2	43.6	49.4	47.3	2.2	3.7	No	No	No	No		
2579	36 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.4	40.9	48.1	46.0	3.7	5.1	No	No	No	No		
2580	32 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	43.6	39.9	44.6	42.4	1.0	2.5	No	No	No	No		
2581	35 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.0	40.6	45.3	43.2	1.3	2.6	No	No	No	No		
2582	16 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	44.8	41.8	47.4	45.3	2.6	3.5	No	No	No	No		
2583	17 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	44.8	41.8	47.4	45.2	2.6	3.4	No	No	No	No		
2584	37 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	43.2	39.9	44.6	42.5	1.4	2.6	No	No	No	No		
2585	3 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	41.2	43.5	50.3	48.2	9.1	4.7	No	No	No	No		
2586	5 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.6	49.7	47.6	1.5	3.0	No	No	No	No		
2587	6 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	41.2	45.0	50.2	48.1	9.0	3.1	No	No	No	No		
2588	5 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	42.9	45.4	51.6	49.5	8.7	4.1	No	No	No	No		
2589	11 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	44.7	41.4	46.7	44.6	2.0	3.2	No	No	No	No		
2590	34 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	43.5	40.1	45.2	43.0	1.7	2.9	No	No	No	No		
2591	3 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	44.9	41.2	46.0	43.9	1.1	2.7	No	No	No	No		
2592	2 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.3	43.2	48.7	46.6	1.4	3.4	No	No	No	No		
2593	10 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	45.5	41.9	46.9	44.7	1.4	2.8	No	No	No	No		
2594	34 DEANS AVENUE SINGLETON HEIGHTS	Residential	55	50	41.4	38.5	42.8	40.6	1.4	2.1	No	No	No	No		
2595	1 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.2	44.5	50.0	47.9	1.8	3.4	No	No	No	No		
2599	9 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	45.1	41.3	46.3	44.1	1.2	2.8	No	No	No	No		
2600	38 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	41.1	38.4	42.7	40.6	1.6	2.2	No	No	No	No		
2601	4941 NEW ENGLAND HIGHWAY MCDougalls Hill	Residential	55	50	60.5	56.0	57.2	55.3	-3.3	-0.7	No	No	No	No		
2602	9 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	48.1	44.4	50.1	48.0	2.0	3.6	No	No	No	No		
2603	4 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.8	44.1	49.2	47.0	1.4	2.9	No	No	No	No		
2604	40 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	41.0	37.8	42.0	39.9	1.0	2.1	No	No	No	No		
2605	8 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	43.8	40.1	45.0	42.9	1.2	2.8	No	No	No	No		
2606	5 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.6	43.8	49.0	46.8	1.4	3.0	No	No	No	No		
2607	11 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.9	44.1	49.7	47.5	1.8	3.4	No	No	No	No		
2608	7 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	44.3	40.7	46.2	44.1	1.9	3.4	No	No	No	No		
2609	40 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	41.3	38.2	42.5	40.4	1.2	2.2	No	No	No	No		
2610	6 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.4	43.6	48.9	46.8	1.5	3.2	No	No	No	No		
2611	40 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	42.7	39.5	43.9	41.7	1.2	2.2	No	No	No	No		
2612	13 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	43.5	48.9	46.8	1.4	3.3	No	No	No	No		
2613	15 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.3	43.5	48.8	46.6	1.5	3.1	No	No	No	No		
2614	44A CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	45.4	41.5	46.2	44.1	0.8	2.6	No	No	No	No		
2615	4943 NEW ENGLAND HIGHWAY MCDougalls Hill	Residential	55	50	60.6	56.1	57.2	55.3	-3.4	-0.8	No	No	No	No		
2616	14 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	48.0	44.0	48.8	46.7	0.8	2.7	No	No	No	No		
2617	30 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.2	42.3	47.0	44.9	0.8	2.6	No	No	No	No		
2618	32 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.5	47.1	45.0	0.8	2.5	No	No	No	No		
2619	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	42.7	48.1	46.0	1.1	3.3	No	No	No	No		
2620	42 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.9	40.8	45.2	43.1	0.3	2.3	No	No	No	No		
2622	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.2	42.8	48.0	45.8	0.8	3.0	No	No	No	No		
2624	20 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.5	47.1	45.0	0.8	2.5	No	No	No	No		
2625	17 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.1	46.9	44.8	0.6	2.7	No	No	No	No		
2626	22 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.0	42.0	47.3	45.2	1.3	3.2	No	No	No	No		
2627	20A LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	41.2	37.9	43.0	40.8	1.8	2.9	No	No	No	No		
2628	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	42.1	47.4	45.2	0.9	3.1	No	No	No	No		
2629	19 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	41.5	46.3	44.1	1.0	2.6	No	No	No	No		
2630	22A LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.6	41.8	47.0	44.9	1.4	3.1	No	No	No	No		
2631	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	43.6	48.6	46.5	1.0	2.9	No	No	No	No		
2632	24 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.7	41.8	46.5	44.4	0.8	2.6	No	No	No	No		
2633	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	44.4	40.6	46.0	43.9	1.6	3.3	No	No	No	No		
2634	21 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.9	42.1	46.6	44.5	0.7	2.4	No	No	No	No		
2635	26 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	43.3	39.4	44.6	42.4	1.3	3.0	No	No	No	No		
2636	38 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	43.1	48.0	45.9	1.0	2.8	No	No	No	No		
2638	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.9	43.8	48.8	46.7	0.9	2.9	No	No	No	No		
2639	40 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.1	48.0	45.8	1.1	2.7	No	No	No	No		
2640	23 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.1	42.2	46.9	44.7	0.8	2.5	No	No	No	No		
2641	28 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.8	42.7	48.0	45.9	1.2	3.2	No	No	No	No		
2643	25 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.1	42.1	46.7	44.6	0.6	2.5	No	No	No	No		
2644	42 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.0	47.9	45.8	1.0	2.8	No	No	No	No		
2645	28A LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.7	43.6	48.7	46.5	1.0	2.9	No	No	No	No		
2646	30 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.4	46.8	44.7	0.5	2.3	No	No	No	No		
2647	44 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	42.6	47.1	45.0	0.7	2.4	No	No	No	No		
2648	27 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.1	48.2	46.1	1.1	3.0	No	No	No	No		
2649	32 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	42.9	47.6	45.5	0.6	2.6	No	No	No	No		
2650	46 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	41.8	47.4	45.3	1.6	3.5	No	No	No	No		
2652	29 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.1	48.4	46.3	1.3	3.2	No	No	No	No		
2653	34 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.0	48.1	46.0	1.0	3.0	No	No	No	No		
2654	36 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.0	47.7	45.6	0.6	2.6	No	No	No	No		
2655	50 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.1	42.0	47.8	45.6	1.7	3.6	No	No	No	No		
2656	52 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	42.8	48.2	46.1	1.3	3.3	No	No	No	No		
2657	38 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.6	42.4	47.3	45.2	0.7	2.8	No	No	No	No		
2658	42 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.2	43.1	48.3	46.2	1.1	3.1	No	No	No	No		

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - No Noise Barrier									Exceedance of NCG Criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change						
			Day	Night	Day	Night	Day	Night	Day	Night					
2659	40 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	42.6	47.6	45.5	0.9	2.9	No	No	No	No	
2661	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	55.3	52.2	57.0	55.0	1.7	2.8	Yes	Yes	No	Yes	
2662	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	53.2	49.9	57.1	55.2	3.9	5.3	Yes	Yes	No	Yes	
2663	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	53.5	50.2	57.0	55.0	3.5	4.8	Yes	Yes	No	Yes	
2664	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	54.2	50.9	56.8	54.7	2.6	3.8	Yes	Yes	No	Yes	
2665	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	53.7	50.5	56.8	54.8	3.1	4.3	Yes	Yes	No	Yes	
2666	1-3 SCOTT STREET SINGLETON	Residential	51	48	38.8	35.3	54.8	52.2	16.0	16.9	Yes	No	No	Yes	
2667	1 VIEW STREET SINGLETON	Residential	50	47	38.1	34.6	52.9	50.2	14.8	15.6	No	No	Yes	Yes	
2677	5065 NEW ENGLAND HIGHWAY MCDUGALLS HILL	Residential	60	55	54.2	54.0	55.7	53.7	1.5	-0.3	No	No	No	No	
2679	5077 NEW ENGLAND HIGHWAY RIXS CREEK	Residential	60	55	59.2	59.2	61.0	59.0	1.8	-0.2	Yes	No	No	No	
2690	58 RIXS CREEK LANE RIXS CREEK	Residential	60	55	47.2	46.0	47.8	45.8	0.6	-0.2	No	No	No	No	
2691	58 RIXS CREEK LANE RIXS CREEK	Residential	60	55	48.4	47.4	49.2	47.2	0.8	-0.2	No	No	No	No	
2692	5066 NEW ENGLAND HIGHWAY RIXS CREEK	Residential	59	54	50.4	49.9	52.5	50.4	2.1	0.5	No	No	No	No	
2694	100 GARDNER CIRCUIT SINGLETON HEIGHTS	Residential	55	50	41.0	39.0	42.2	40.0	1.2	1.0	No	No	No	No	
2697	92 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.9	37.9	41.3	39.1	1.4	1.2	No	No	No	No	
2698	94 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.9	37.8	41.2	39.0	1.3	1.2	No	No	No	No	
2700	96 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	40.0	37.8	41.3	39.1	1.3	1.3	No	No	No	No	
2702	98 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	40.1	37.8	41.3	39.1	1.2	1.3	No	No	No	No	
2703	90 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.1	36.9	40.4	38.2	1.3	1.3	No	No	No	No	
2704	88 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	38.9	36.6	40.2	38.1	1.3	1.5	No	No	No	No	
2705	86 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	38.7	36.5	40.1	37.9	1.4	1.4	No	No	No	No	
2706	80 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	38.7	36.4	40.1	38.0	1.4	1.6	No	No	No	No	
2707	48 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.2	42.2	47.2	45.1	1.0	2.9	No	No	No	No	
2708	47 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	45.2	41.7	46.1	44.0	0.9	2.3	No	No	No	No	
2709	49 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	42.5	47.1	45.0	0.6	2.5	No	No	No	No	
2710	51 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.2	42.0	47.4	45.2	1.2	3.2	No	No	No	No	
2711	53 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.0	42.0	47.4	45.3	1.4	3.3	No	No	No	No	
2712	46 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.6	42.5	48.0	45.9	1.4	3.4	No	No	No	No	
2714	48 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.2	47.7	45.6	1.4	3.4	No	No	No	No	
2717	35 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.4	41.4	46.4	44.3	1.0	2.9	No	No	No	No	
2718	44 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	42.3	47.3	45.2	0.9	2.9	No	No	No	No	
2720	50 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	41.7	46.8	44.7	1.0	3.0	No	No	No	No	
2721	37 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	43.9	39.9	44.7	42.6	0.8	2.7	No	No	No	No	
2722	38 HENRY DRIVE SINGLETON HEIGHTS	Residential	55	50	42.7	38.9	43.8	41.6	1.1	2.7	No	No	No	No	
2723	52 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.4	41.3	46.7	44.5	1.3	3.2	No	No	No	No	
2726	54 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	42.6	38.8	44.1	41.9	1.5	3.1	No	No	No	No	
2727	40 HENRY DRIVE SINGLETON HEIGHTS	Residential	55	50	42.0	38.3	42.8	40.6	0.8	2.3	No	No	No	No	
2728	56 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.1	42.0	47.4	45.3	1.3	3.3	No	No	No	No	
2729	60 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	42.6	38.8	44.3	42.1	1.7	3.3	No	No	No	No	
2730	62 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	40.7	37.2	41.5	39.4	0.8	2.2	No	No	No	No	
2731	64 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	40.6	37.1	41.8	39.6	1.2	2.5	No	No	No	No	
2732	58 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.2	41.1	45.9	43.8	0.7	2.7	No	No	No	No	
2733	62 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	42.0	38.5	44.0	41.9	2.0	3.4	No	No	No	No	
2734	3 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	40.6	37.0	41.7	39.5	1.1	2.5	No	No	No	No	
2735	2 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	39.1	35.8	40.4	38.2	1.3	2.4	No	No	No	No	
2736	4 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	41.7	38.0	42.7	40.5	1.0	2.5	No	No	No	No	
2737	1 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	39.4	36.1	40.7	38.5	1.3	2.4	No	No	No	No	
2738	5 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	40.2	36.7	41.5	39.4	1.3	2.7	No	No	No	No	
2739	68 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	41.4	37.8	42.4	40.3	1.0	2.5	No	No	No	No	
2740	6 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	39.6	36.2	40.9	38.8	1.3	2.6	No	No	No	No	
2741	6 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	41.4	38.0	42.4	40.3	1.0	2.3	No	No	No	No	
2742	1 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	40.5	37.2	41.5	39.3	1.0	2.1	No	No	No	No	
2743	7 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	40.0	36.7	41.2	39.0	1.2	2.3	No	No	No	No	
2744	2 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	39.8	36.5	41.0	38.8	1.2	2.3	No	No	No	No	
2745	5 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	41.7	38.3	42.8	40.6	1.1	2.3	No	No	No	No	
2746	1 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	41.2	37.9	42.3	40.1	1.1	2.2	No	No	No	No	
2747	4 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	40.8	37.7	42.5	40.4	1.7	2.7	No	No	No	No	
2748	3 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	40.3	37.1	41.4	39.2	1.1	2.1	No	No	No	No	
2749	2 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	40.5	37.5	42.0	39.9	1.5	2.4	No	No	No	No	
2750	4 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	40.0	36.9	41.5	39.4	1.5	2.5	No	No	No	No	
2751	8 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	41.0	37.8	42.1	39.9	1.1	2.1	No	No	No	No	
2752	3 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	40.0	37.1	41.5	39.4	1.5	2.3	No	No	No	No	
2753	5 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	39.9	36.9	41.3	39.1	1.4	2.2	No	No	No	No	
2754	74 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.5	36.9	41.1	38.9	1.6	2.0	No	No	No	No	
2755	7 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	40.0	37.2	41.7	39.5	1.7	2.3	No	No	No	No	
2757	6 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	39.9	37.0	41.6	39.5	1.7	2.5	No	No	No	No	
2758	78 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	38.8	35.7	40.2	38.1	1.4	2.4	No	No	No	No	
2759	76 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	38.7	36.4	40.3	38.2	1.6	1.8	No	No	No	No	
2760	78 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.4	36.8	41.2	39.1	1.8	2.3	No	No	No	No	
2762	78 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.1	36.6	40.6	38.4	1.5	1.8	No	No	No	No	
2763	82 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	38.8	36.3	40.1	37.9	1.3	1.6	No	No	No	No	
2764	84 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.1	36.7	40.3	38.2	1.2	1.5	No	No	No	No	
2765	80 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.2	36.7	40.3	38.2	1.1	1.5	No	No	No	No	
2766	5022 NEW ENGLAND HIGHWAY MCDUGALLS HILL	Residential	55	50	52.1	49.7	54.1	51.9	2.0	2.2	Yes	No	No	Yes	

Note: * Facade with the greatest change in noise levels

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - No Noise Barrier									Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change						
			Day	Night	Day	Night	Day	Night	Day	Night					
1013	53 HAGGARTYS LANE WHITTINGHAM	Residential	60	55	51.7	48.7	52.2	49.5	0.5	0.8	No	No	No	No	
1015	61 HAGGARTYS LANE WHITTINGHAM	Residential	60	55	50.4	47.4	50.8	48.1	0.4	0.7	No	No	No	No	
1020	4245 NEW ENGLAND HIGHWAY WHITTINGHAM	Residential	60	55	61.8	58.8	61.9	59.3	0.1	0.5	No	No	No	No	
1023	4244 NEW ENGLAND HIGHWAY WHITTINGHAM	Residential	60	55	69.0	66.0	69.2	66.7	0.2	0.7	No	No	No	No	
1027	18 CEMETERY LANE WHITTINGHAM	Residential	60	55	60.3	57.3	60.6	57.9	0.3	0.6	No	No	No	No	
1028	28 CEMETERY LANE WHITTINGHAM	Residential	60	55	57.3	54.3	57.8	55.1	0.5	0.8	No	No	No	No	
1029	13 HAGGARTYS LANE WHITTINGHAM	Residential	60	55	58.5	55.5	58.4	55.8	-0.1	0.3	No	No	No	No	
1031	4253 NEW ENGLAND HIGHWAY WHITTINGHAM	Residential	60	55	74.6	71.6	74.8	72.3	0.2	0.7	No	No	No	No	
1032	4 HAGGARTYS LANE WHITTINGHAM	Residential	60	55	69.6	66.6	69.8	67.2	0.2	0.6	No	No	No	No	
1041	18 NEWINGTON LANE WHITTINGHAM	Residential	60	55	58.4	55.4	58.8	56.0	0.4	0.6	No	No	No	No	
1049	3 NEWINGTON LANE WHITTINGHAM	Residential	60	55	65.8	62.8	63.7	61.0	-2.1	-1.8	No	Yes	No	Yes	
1051	4339 NEW ENGLAND HIGHWAY WHITTINGHAM	Residential	55	50	56.0	53.0	61.3	58.6	5.3	5.6	Yes	No	No	Yes	
1055	48 MAITLAND ROAD SINGLETON	Residential	60	55	53.8	50.8	53.4	50.6	-0.4	-0.2	No	No	No	No	
1073	18 ARDERSIER DRIVE SINGLETON	Residential	60	50	49.2	44.8	48.3	45.5	-0.9	0.7	No	No	No	No	
1075	19 ARDERSIER DRIVE SINGLETON	Residential	60	55	53.4	50.4	53.2	50.4	-0.2	0.0	No	No	No	No	
1077	17 ARDERSIER DRIVE SINGLETON	Residential	60	55	47.8	44.8	47.1	44.3	-0.7	-0.5	No	No	No	No	
1081	20 ARDERSIER DRIVE SINGLETON	Residential	60	55	53.4	50.4	53.3	50.4	-0.1	0.0	No	No	No	No	
1083	4403 NEW ENGLAND HIGHWAY SINGLETON	Residential	60	55	68.3	65.3	62.4	59.1	-5.9	-6.2	Yes	No	No	Yes	
1085	16 ARDERSIER DRIVE SINGLETON	Residential	60	55	47.9	44.9	47.2	44.3	-0.7	-0.6	No	No	No	No	
1087	21 ARDERSIER DRIVE SINGLETON	Residential	60	55	54.3	51.3	53.8	50.9	-0.5	-0.4	No	No	No	No	
1089	15 ARDERSIER DRIVE SINGLETON	Residential	59	55	46.6	43.6	46.4	43.5	-0.2	-0.1	No	No	No	No	
1091	14 ARDERSIER DRIVE SINGLETON	Residential	58	55	46.0	43.0	45.7	42.9	-0.3	-0.1	No	No	No	No	
1093	22 ARDERSIER DRIVE SINGLETON	Residential	60	55	55.2	52.2	54.3	51.4	-0.9	-0.8	No	No	No	No	
1095	11 ARDERSIER DRIVE SINGLETON	Residential	58	55	45.7	42.7	44.9	42.0	-0.8	-0.7	No	No	No	No	
1099	23 ARDERSIER DRIVE SINGLETON	Residential	60	55	55.8	52.8	54.7	51.7	-1.1	-1.1	No	No	No	No	
1101	13 ARDERSIER DRIVE SINGLETON	Residential	59	55	47.2	44.2	46.7	43.9	-0.5	-0.3	No	No	No	No	
1103	9 ARDERSIER DRIVE SINGLETON	Residential	58	55	45.6	42.6	44.3	41.3	-1.3	-1.3	No	No	No	No	
1107	12 ARDERSIER DRIVE SINGLETON	Residential	59	55	46.9	43.9	46.2	43.3	-0.7	-0.6	No	No	No	No	
1109	24 ARDERSIER DRIVE SINGLETON	Residential	60	55	55.4	52.4	54.3	51.3	-1.1	-1.1	No	No	No	No	
1111	8 ARDERSIER DRIVE SINGLETON	Residential	57	54	45.2	42.2	44.2	41.3	-1.0	-0.9	No	No	No	No	
1113	10 ARDERSIER DRIVE SINGLETON	Residential	59	55	46.5	43.5	45.0	42.1	-1.5	-1.4	No	No	No	No	
1115	4 ARDERSIER DRIVE SINGLETON	Residential	57	54	44.9	41.9	43.7	40.8	-1.2	-1.1	No	No	No	No	
1117	25 ARDERSIER DRIVE SINGLETON	Residential	60	55	57.6	54.6	55.8	52.9	-1.8	-1.7	No	No	No	No	
1119	7 ARDERSIER DRIVE SINGLETON	Residential	59	55	47.4	44.4	45.7	42.8	-1.7	-1.6	No	No	No	No	
1121	26 ARDERSIER DRIVE SINGLETON	Residential	60	55	50.8	47.8	50.0	47.2	-0.8	-0.6	No	No	No	No	
1123	3 ARDERSIER DRIVE SINGLETON	Residential	58	55	45.6	42.6	44.7	41.8	-0.9	-0.8	No	No	No	No	
1125	4 ARDERSIER DRIVE SINGLETON	Residential	59	55	46.7	43.7	44.7	41.8	-2.0	-1.9	No	No	No	No	
1129	6 ARDERSIER DRIVE SINGLETON	Residential	60	55	47.7	44.6	47.9	45.1	0.2	0.5	No	No	No	No	
1131	27 ARDERSIER DRIVE SINGLETON	Residential	60	55	48.9	45.8	47.5	44.5	-1.4	-1.3	No	No	No	No	
1133	28 ARDERSIER DRIVE SINGLETON	Residential	60	55	49.9	46.9	47.8	44.9	-2.1	-2.0	No	No	No	No	
1135	2 GASLIGHT PLACE SINGLETON	Residential	60	55	56.3	53.3	54.3	51.4	-2.0	-1.9	No	No	No	No	
1137	5 ARDERSIER DRIVE SINGLETON	Residential	60	55	48.2	45.2	46.6	43.7	-1.6	-1.5	No	No	No	No	
1139	28 GREENWOOD AVENUE SINGLETON	Residential	59	55	47.1	44.1	46.0	43.1	-1.1	-1.0	No	No	No	No	
1141	3 ARDERSIER DRIVE SINGLETON	Residential	59	55	47.0	44.0	44.6	41.7	-2.4	-2.3	No	No	No	No	
1147	24 GREENWOOD AVENUE SINGLETON	Residential	57	54	45.1	42.1	44.9	42.1	-0.2	0.0	No	No	No	No	
1149	7 GASLIGHT PLACE SINGLETON	Residential	60	55	48.5	45.5	49.5	46.8	1.0	1.3	No	No	No	No	
1151	3 GASLIGHT PLACE SINGLETON	Residential	60	55	54.9	51.9	52.8	49.9	-2.1	-2.0	No	No	No	No	
1155	3 ARDERSIER DRIVE SINGLETON	Residential	59	55	46.8	43.7	45.7	42.7	-1.1	-1.0	No	No	No	No	
1159	22 GREENWOOD AVENUE SINGLETON	Residential	60	55	47.7	44.6	46.1	43.2	-1.6	-1.4	No	No	No	No	
1161	6 GASLIGHT PLACE SINGLETON	Residential	60	55	50.9	47.9	49.9	47.0	-1.0	-0.9	No	No	No	No	
1163	2 ARDERSIER DRIVE SINGLETON	Residential	60	55	48.6	45.6	46.9	44.0	-1.7	-1.6	No	No	No	No	
1165	48 MAITLAND ROAD SINGLETON	Residential	60	55	60.5	57.5	57.7	54.7	-2.8	-2.8	No	No	No	No	
1167	1 ARDERSIER DRIVE SINGLETON	Residential	60	55	48.8	45.8	46.3	43.3	-2.5	-2.5	No	No	No	No	
1169	30 ARDERSIER DRIVE SINGLETON	Residential	60	55	51.8	48.8	50.8	48.0	-1.0	-0.8	No	No	No	No	
1171	20 GREENWOOD AVENUE SINGLETON	Residential	60	55	47.9	44.8	45.2	42.2	-2.7	-2.6	No	No	No	No	
1173	18 GREENWOOD AVENUE SINGLETON	Residential	60	55	47.8	44.8	46.3	43.4	-1.5	-1.4	No	No	No	No	
1177	16 GREENWOOD AVENUE SINGLETON	Residential	60	55	47.5	44.5	46.3	43.4	-1.2	-1.1	No	No	No	No	
1179	31 ARDERSIER DRIVE SINGLETON	Residential	60	55	54.3	51.3	52.3	49.4	-2.0	-1.9	No	No	No	No	
1181	4 GASLIGHT PLACE SINGLETON	Residential	60	55	56.4	53.4	54.3	51.4	-2.1	-2.0	No	No	No	No	
1183	34 ARDERSIER DRIVE SINGLETON	Residential	60	55	52.7	49.7	50.8	47.9	-1.9	-1.8	No	No	No	No	
1185	33 ARDERSIER DRIVE SINGLETON	Residential	60	55	51.5	48.5	49.4	46.5	-2.1	-2.0	No	No	No	No	
1187	14 GREENWOOD AVENUE SINGLETON	Residential	60	55	49.0	45.9	47.2	44.3	-1.8	-1.6	No	No	No	No	
1189	32 ARDERSIER DRIVE SINGLETON	Residential	60	55	53.9	49.6	52.0	49.2	-1.9	-0.4	No	No	No	No	
1191	35 ARDERSIER DRIVE SINGLETON	Residential	60	55	52.7	49.7	50.7	47.8	-2.0	-1.9	No	No	No	No	
1193	19 GREENWOOD AVENUE SINGLETON	Residential	60	55	55.9	52.8	52.9	49.9	-3.0	-2.9	No	No	No	No	
1195	12 GREENWOOD AVENUE SINGLETON	Residential	60	55	52.8	49.8	49.7	46.8	-3.1	-3.0	No	No	No	No	
1207	15 GREENWOOD AVENUE SINGLETON	Residential	60	55	53.8	50.7	51.0	48.0	-2.8	-2.7	No	No	No	No	
1211	9 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	65.9	62.9	61.8	58.7	-4.1	-4.2	No	No	No	No	
1213	40 MAITLAND ROAD SINGLETON	Residential	60	55	67.2	64.2	63.0	59.9	-4.2	-4.3	No	No	No	No	
1215	8 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	67.7	64.7	63.2	60.1	-4.5	-4.6	No	No	No	No	
1219	11 GREENWOOD AVENUE SINGLETON	Residential	60	55	57.7	54.7	53.8	50.8	-3.9	-3.9	No	No	No	No	
1221	7 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	67.6	64.6	63.1	60.1	-4.5	-4.5	No	No	No	No	
1225	6 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	68.5	65.5	64.0	61.0	-4.5	-4.5	No	No	No	No	
1229	10 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	57.0	54.0	55.3	52.4	-1.7	-1.6	No	No	No	No	
1231	36 MAITLAND ROAD SINGLETON	Residential	60	55	69.7	66.7	65.4	62.3	-4.3	-4.4	No	No	No	No	
1233	34 MAITLAND ROAD SINGLETON	Residential	60	55	68.2	65.2	63.9	60.8	-4.3	-4.4	No	No	No	No	
1235	35B WADDELLS LANE WHITTINGHAM	Residential	55	50	50.8	47.8	61.5	58.9	10.7	11.1	Yes	No	No	Yes	
1237	30 MAITLAND ROAD SINGLETON	Residential	60	55	70.1	67.1	65.8	62.7	-4.3	-4.4	No	No	No	No	
1239	5 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	57.6	54.6	54.5	51.6	-3.1	-3.0	No	No	No	No	
1241	12 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	55.3	52.3	54.5	51.7	-0.8	-0.6	No	No	No	No	
1243	32 MAITLAND ROAD SINGLETON	Residential	60	55	69.9	66.9	65.6	62.5	-4.3	-4.4	No	No	No	No	
1245	4 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	63.4	60.4	59.0	56.0	-4.4	-4.4	No	No	No	No	
1247	13 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	54.2	51.2	54.3	51.5	0.1	0.3	No	No	No	No	
1251	2 FERGUSON CLOSE SINGLETON	Residential	60	55	54.2	51.2	51.6	48.7	-2.6	-2.5	No	No	No	No	
1253	1 FERGUSON CLOSE SINGLETON	Residential	60	55	58.4	55.4	54.3	51.2	-4.1	-4.2	No	No	No	No	
1255	14 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	53.4	50.4	54.0	51.2	0.6	0.8	No	No	No	No	
1257	109-129 KELSO STREET SINGLETON	School	52.5	100	49.5	46.5	56.4	53.8	6.9	7.3	Yes	No	No	Yes	
1259	15 TOWNHEAD CRESCENT SINGLETON	Residential	55	50	52.6	49.6	53.5	50.8	0.9	1.2	No	No	No	No	
1261	3 FERGUSON CLOSE SINGLETON	Residential	60	55	53.5	50.4	51.1	48.2	-2.4	-2.2	No	No	No	No	
1263	2 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	58.1	55.1	53.8	50.7	-4.3	-4.4	No	No	No	No	
1265	16 TOWNHEAD CRESCENT SINGLETON	Residential	55	50	51.8	48.8	53.2	50.5	1.4	1.7	No	No	No	No	
1267	4 FERGUSON CLOSE SINGLETON	Residential	60	55	51.7	48.7	50.2	47.3	-1.5	-1.4	No	No	No	No	
1269	5 FERGUSON CLOSE SINGLETON	Residential	60	55	53.6	50.6	49.9	46.9	-3.7	-3.7	No	No	No	No	

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - No Noise Barrier									Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change						
			Day	Night	Day	Night	Day	Night	Day	Night					
1271	1 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	55.6	52.6	51.4	48.3	-4.2	-4.3	No	No	No	No	
1273	109-129 KELSO STREET SINGLETON	School	52.5	100	44.2	41.2	53.2	50.6	9.0	9.4	Yes	No	No	Yes	
1275	109-129 KELSO STREET SINGLETON	School	52.5	100	48.7	45.7	56.3	53.7	7.6	8.0	Yes	No	No	Yes	
1277	109-129 KELSO STREET SINGLETON	School	52.5	100	50.2	47.2	49.3	46.4	-0.9	-0.8	No	No	No	No	
1279	17 TOWNHEAD CRESCENT SINGLETON	Residential	55	50	51.0	48.0	52.7	50.0	1.7	2.0	No	No	No	No	
1281	109-129 KELSO STREET SINGLETON	School	52.5	100	45.6	42.6	55.0	52.4	9.4	9.8	Yes	No	No	Yes	
1283	109-129 KELSO STREET SINGLETON	School	52.5	100	45.8	42.8	49.2	46.5	3.4	3.7	No	No	No	No	
1285	109-129 KELSO STREET SINGLETON	School	52.5	100	43.3	40.3	49.3	46.6	6.0	6.3	No	No	No	No	
1287	109-129 KELSO STREET SINGLETON	School	52.5	100	42.7	39.7	50.1	47.4	7.4	7.7	No	No	No	No	
1289	20 WATERHOUSE AVENUE SINGLETON	Residential	60	55	55.9	52.9	52.2	49.1	-3.7	-3.8	No	No	No	No	
1291	22 WATERHOUSE AVENUE SINGLETON	Residential	60	55	53.4	50.4	50.3	47.3	-3.1	-3.1	No	No	No	No	
1293	24 WATERHOUSE AVENUE SINGLETON	Residential	60	55	51.7	48.6	49.4	46.4	-2.3	-2.2	No	No	No	No	
1295	26 WATERHOUSE AVENUE SINGLETON	Residential	60	55	50.8	45.2	48.9	46.0	-1.9	0.8	No	No	No	No	
1297	28 WATERHOUSE AVENUE SINGLETON	Residential	60	55	50.2	47.2	48.3	45.4	-1.9	-1.8	No	No	No	No	
1299	30 WATERHOUSE AVENUE SINGLETON	Residential	60	55	49.5	46.4	49.2	46.3	-0.3	-0.1	No	No	No	No	
1301	32 WATERHOUSE AVENUE SINGLETON	Residential	55	50	50.4	47.4	52.0	49.3	1.6	1.9	No	No	No	No	
1303	19 WATERHOUSE AVENUE SINGLETON	Residential	60	55	55.3	52.3	51.8	48.8	-3.5	-3.5	No	No	No	No	
1305	109-129 KELSO STREET SINGLETON	School	52.5	100	45.1	42.0	52.8	50.2	7.7	8.2	Yes	No	No	Yes	
1307	109-129 KELSO STREET SINGLETON	School	52.5	100	48.0	45.0	56.2	53.6	8.2	8.6	Yes	No	No	Yes	
1309	17 WATERHOUSE AVENUE SINGLETON	Residential	60	55	55.3	52.2	51.0	48.0	-4.3	-4.2	No	No	No	No	
1311	21 WATERHOUSE AVENUE SINGLETON	Residential	60	55	54.2	51.2	51.0	48.0	-3.2	-3.2	No	No	No	No	
1313	23 WATERHOUSE AVENUE SINGLETON	Residential	60	55	51.9	48.9	49.2	46.2	-2.7	-2.7	No	No	No	No	
1315	25 WATERHOUSE AVENUE SINGLETON	Residential	60	55	51.0	48.0	49.6	46.8	-1.4	-1.2	No	No	No	No	
1317	21 WATERHOUSE AVENUE SINGLETON	Residential	60	55	48.2	45.2	48.0	45.2	-0.2	0.0	No	No	No	No	
1319	21 WATERHOUSE AVENUE SINGLETON	Residential	55	50	45.5	42.5	47.2	44.4	1.7	1.9	No	No	No	No	
1320	72 KELSO STREET SINGLETON	Residential	55	50	48.8	45.8	50.6	47.9	1.8	2.1	No	No	No	No	
1321	29 WATERHOUSE AVENUE SINGLETON	Residential	60	55	49.4	46.4	49.9	47.1	0.5	0.7	No	No	No	No	
1322	31 WATERHOUSE AVENUE SINGLETON	Residential	55	50	49.1	46.0	49.8	47.1	0.7	1.1	No	No	No	No	
1323	27 WATERHOUSE AVENUE SINGLETON	Residential	60	55	49.1	46.1	49.1	46.2	0.0	0.1	No	No	No	No	
1324	70 KELSO STREET SINGLETON	Residential	55	50	48.4	45.4	50.4	47.6	2.0	2.2	No	No	No	No	
1325	2 ELLEN AVENUE SINGLETON	Residential	60	55	50.2	47.2	49.9	47.1	-0.3	-0.1	No	No	No	No	
1326	12 TULLOCH CLOSE SINGLETON	Residential	60	55	51.9	48.9	48.2	45.2	-3.7	-3.7	No	No	No	No	
1327	9 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	48.6	45.6	47.5	44.7	-1.1	-0.9	No	No	No	No	
1328	6 ELLEN AVENUE SINGLETON	Residential	60	55	48.5	45.5	48.8	46.1	0.3	0.6	No	No	No	No	
1329	4 ELLEN AVENUE SINGLETON	Residential	60	55	49.5	46.5	49.5	46.7	0.0	0.2	No	No	No	No	
1330	11 BRITTLIFFE CLOSE SINGLETON	Residential	55	50	43.1	40.1	47.3	44.5	4.2	4.4	No	No	No	No	
1331	7 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	48.2	45.2	47.8	44.9	-0.4	-0.3	No	No	No	No	
1332	8 ELLEN AVENUE SINGLETON	Residential	55	50	50.4	47.4	52.0	49.3	1.6	1.9	No	No	No	No	
1333	10 ELLEN AVENUE SINGLETON	Residential	55	50	49.6	46.6	52.4	49.7	2.8	3.1	No	No	Yes	Yes	
1333	10 ELLEN AVENUE SINGLETON*	Residential	47	44	35.4	32.4	49.3	46.7	13.9	14.3	No	No	Yes	Yes	
1334	5 BRITTLIFFE CLOSE SINGLETON	Residential	58	55	46.1	43.0	47.2	44.4	1.1	1.4	No	No	No	No	
1335	68 KELSO STREET SINGLETON	Residential	55	50	48.2	45.2	49.8	47.1	1.6	1.9	No	No	No	No	
1336	14 ELLEN AVENUE SINGLETON	Residential	55	50	50.9	47.9	54.5	51.9	3.6	4.0	Yes	No	No	Yes	
1337	12 ELLEN AVENUE SINGLETON	Residential	55	50	49.3	46.3	52.9	50.2	3.6	3.9	No	No	No	No	
1338	1 BRITTLIFFE CLOSE SINGLETON	Residential	55	50	45.1	42.1	47.1	44.4	2.0	2.3	No	No	No	No	
1339	3 BRITTLIFFE CLOSE SINGLETON	Residential	59	55	47.1	44.1	47.3	44.5	0.2	0.4	No	No	No	No	
1340	16 ELLEN AVENUE SINGLETON	Residential	55	50	49.3	46.2	56.6	54.0	7.3	7.8	Yes	No	No	Yes	
1341	66 KELSO STREET SINGLETON	Residential	55	50	46.7	43.7	48.7	45.9	2.0	2.2	No	No	No	No	
1343	10 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	49.2	46.2	48.1	45.3	-1.1	-0.9	No	No	No	No	
1344	3 ELLEN AVENUE SINGLETON	Residential	55	50	43.5	40.5	48.4	45.6	4.9	5.1	No	No	No	No	
1345	1 ELLEN AVENUE SINGLETON	Residential	55	50	47.4	44.4	48.1	45.4	0.7	1.0	No	No	No	No	
1346	8 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	48.4	45.4	47.6	44.8	-0.8	-0.6	No	No	No	No	
1347	6 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	48.2	45.2	47.6	44.7	-0.6	-0.5	No	No	No	No	
1348	4 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	47.5	44.5	47.3	44.5	-0.2	0.0	No	No	No	No	
1349	103 KELSO STREET SINGLETON	Residential	58	50	45.7	39.0	46.0	43.2	0.3	4.2	No	No	No	No	
1351	5 ELLEN AVENUE SINGLETON	Residential	55	50	45.1	42.1	49.6	47.1	4.5	5.0	No	No	No	No	
1352	2 BRITTLIFFE CLOSE SINGLETON	Residential	59	55	47.4	44.4	47.6	44.8	0.2	0.4	No	No	No	No	
1353	64 KELSO STREET SINGLETON	Residential	55	50	46.4	43.4	48.7	46.0	2.3	2.6	No	No	No	No	
1354	7 ELLEN AVENUE SINGLETON	Residential	55	50	46.0	43.0	55.7	53.1	9.7	10.1	Yes	No	No	Yes	
1355	101 KELSO STREET SINGLETON	Residential	55	50	43.6	40.6	47.6	44.8	4.0	4.2	No	No	No	No	
1356	39 ADA STREET SINGLETON	Residential	55	50	44.9	41.9	51.8	49.2	6.9	7.3	No	No	No	No	
1357	44 ADA STREET SINGLETON	Residential	55	50	42.8	39.8	47.7	44.9	4.9	5.1	No	No	No	No	
1358	50 ORCHARD AVENUE SINGLETON	Residential	60	55	49.2	46.2	48.2	45.3	-1.0	-0.9	No	No	No	No	
1359	62 KELSO STREET SINGLETON	Residential	55	50	45.3	42.3	48.7	45.9	3.4	3.6	No	No	No	No	
1360	99 KELSO STREET SINGLETON	Residential	55	50	44.1	41.1	47.8	45.0	3.7	3.9	No	No	No	No	
1361	35B WADDELLS LANE SINGLETON	Residential	55	50	47.1	44.1	61.1	58.7	14.0	14.6	Yes	No	No	Yes	
1362	12 WADDELLS AVENUE SINGLETON	Residential	55	50	48.1	45.1	56.2	53.6	8.1	8.5	Yes	No	No	Yes	
1363	37 ADA STREET SINGLETON	Residential	55	50	44.9	41.9	52.5	49.8	7.6	7.9	No	No	No	No	
1364	42 ADA STREET SINGLETON	Residential	55	50	43.2	40.2	47.8	45.1	4.6	4.9	No	No	No	No	
1365	52 ORCHARD AVENUE SINGLETON	Residential	60	55	48.0	44.9	47.3	44.4	-0.7	-0.5	No	No	No	No	
1366	54 ORCHARD AVENUE SINGLETON	Residential	55	50	44.5	41.5	48.1	45.4	3.6	3.9	No	No	No	No	
1367	60 KELSO STREET SINGLETON	Residential	55	50	45.2	42.2	49.3	46.5	4.1	4.3	No	No	No	No	
1368	35 ADA STREET SINGLETON	Residential	55	50	44.4	41.4	53.1	50.5	8.7	9.1	Yes	No	No	Yes	
1369	10 WADDELLS AVENUE SINGLETON	Residential	55	50	48.0	45.0	56.1	53.5	8.1	8.5	Yes	No	No	Yes	
1370	40 ADA STREET SINGLETON	Residential	55	50	42.8	39.8	49.2	46.5	6.4	6.7	No	No	No	No	
1371	97 KELSO STREET SINGLETON	Residential	55	50	43.5	40.5	48.0	45.3	4.5	4.8	No	No	No	No	
1372	95 KELSO STREET SINGLETON	Residential	55	50	43.1	40.0	48.3	45.6	5.2	5.6	No	No	No	No	
1373	8 WADDELLS AVENUE SINGLETON	Residential	55	50	46.1	43.1	55.6	53.0	9.5	9.9	Yes	No	No	Yes	
1374	47 ORCHARD AVENUE SINGLETON	Residential	60	55	48.6	45.6	48.1	45.2	-0.5	-0.4	No	No	No	No	
1375	33 ADA STREET SINGLETON	Residential	55	50	42.5	39.4	49.1	46.3	6.6	6.9	No	No	No	No	
1376	38 ADA STREET SINGLETON	Residential	54	50	41.9	38.9	49.9	47.2	8.0	8.3	No	No	No	No	
1377	49 ORCHARD AVENUE SINGLETON	Residential	60	55	48.1	45.0	47.6	44.7	-0.5	-0.3	No	No	No	No	
1378	51 ORCHARD AVENUE SINGLETON	Residential	60	55	47.7	44.6	47.7	44.8	0.0	0.2	No	No	No	No	
1379	58 KELSO STREET SINGLETON	Residential	55	50	43.9	40.9	48.3	45.6	4.4	4.7	No	No	No	No	
1380	6 WADDELLS AVENUE SINGLETON	Residential	55	50	46.1	43.1	55.5	52.9	9.4	9.8	Yes	No	No	Yes	
1381	63 BUCHAN AVENUE SINGLETON	Residential	55	50	42.7	39.7	48.1	45.4	5.4	5.7	No	No	No	No	
1382	36 ADA STREET SINGLETON	Residential	54	50	42.2	39.2	51.7	49.0	9.5	9.8	No	No	No	No	
1383	4 WADDELLS AVENUE SINGLETON	Residential	55	50	45.4	42.4	55.4	52.8	10.0	10.4	Yes	No	No	Yes	
1384	31 ADA STREET SINGLETON	Residential	53	50	40.6	37.6	51.1	48.4	10.5	10.8	No	No	No	No	
1385	61 BUCHAN AVENUE SINGLETON	Residential	53	50	41.3	38.2	48.4	45.7	7.1	7.5	No	No	No	No	
1386	56 KELSO STREET SINGLETON	Residential	55	50	44.0	40.9	48.2	45.5	4.2	4.6	No	No	No	No	
1387	59 BUCHAN AVENUE SINGLETON	Residential	55	50	43.5	40.4	48.8	46.1	5.3	5.7	No	No	No	No	
1388	85 KELSO STREET SINGLETON	Residential	54	50	41.6	38.6	45.2	42.5	3.6	3.9	No	No	No	No	

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - No Noise Barrier									Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change						
			Day	Night	Day	Night	Day	Night	Day	Night	Day				
1389	2 WADDELLS AVENUE SINGLETON	Residential	55	50	45.3	42.3	52.7	10.0	10.4	Yes	No	No	Yes		
1390	85 KELSO STREET SINGLETON	Residential	54	50	42.2	39.2	52.4	49.7	10.2	10.5	No	No	Yes		
1390	85 KELSO STREET SINGLETON*	Residential	50	47	38.0	35.0	51.7	49.1	13.7	14.1	No	No	Yes		
1391	54 KELSO STREET SINGLETON	Residential	55	50	43.6	40.6	48.2	45.4	4.6	4.8	No	No	No		
1392	57 BUCHAN AVENUE SINGLETON	Residential	55	50	43.2	40.2	48.9	46.2	5.7	6.0	No	No	No		
1393	55 BUCHAN AVENUE SINGLETON	Residential	53	50	41.2	38.1	48.9	46.2	7.7	8.1	No	No	No		
1394	52 KELSO STREET SINGLETON	Residential	55	50	43.4	40.4	48.5	45.7	5.1	5.3	No	No	No		
1395	85 KELSO STREET SINGLETON	Residential	53	50	41.3	38.2	47.0	44.3	5.7	6.1	No	No	No		
1396	50 KELSO STREET SINGLETON	Residential	55	50	43.3	40.3	48.7	46.0	5.4	5.7	No	No	No		
1397	83 KELSO STREET SINGLETON	Residential	52	49	40.3	37.3	48.5	45.8	8.2	8.5	No	No	No		
1398	83 KELSO STREET SINGLETON	Residential	55	50	42.6	39.6	52.5	49.9	9.9	10.3	No	No	No		
1399	46 KELSO STREET SINGLETON	Residential	55	50	42.7	39.6	49.1	46.4	6.4	6.8	No	No	No		
1400	81 KELSO STREET SINGLETON	Residential	53	50	41.1	38.0	51.4	48.7	10.3	10.7	No	No	No		
1401	44 KELSO STREET SINGLETON	Residential	54	50	42.1	39.1	48.8	46.1	6.7	7.0	No	No	No		
1402	79 KELSO STREET SINGLETON	Residential	55	50	42.6	39.5	51.9	49.3	9.3	9.8	No	No	No		
1403	42 KELSO STREET SINGLETON	Residential	55	50	42.8	39.8	49.2	46.5	6.4	6.7	No	No	No		
1404	77 KELSO STREET SINGLETON	Residential	55	50	43.4	40.4	52.0	49.4	8.6	9.0	No	No	No		
1405	75 KELSO STREET SINGLETON	Residential	53	50	40.9	37.9	49.1	46.4	8.2	8.5	No	No	No		
1406	40 KELSO STREET SINGLETON	Residential	55	50	42.6	39.5	48.8	46.1	6.2	6.6	No	No	No		
1407	38 KELSO STREET SINGLETON	Residential	54	50	42.2	39.1	48.7	46.0	6.5	6.9	No	No	No		
1409	36 KELSO STREET SINGLETON	Residential	54	50	41.8	38.8	48.5	45.8	6.7	7.0	No	No	No		
1410	73 KELSO STREET SINGLETON	Residential	52	49	40.3	37.3	48.5	45.8	8.2	8.5	No	No	No		
1411	16 ADA STREET SINGLETON	Residential	55	50	43.7	40.7	52.6	50.0	8.9	9.3	No	No	No		
1412	71 KELSO STREET SINGLETON	Residential	53	50	40.5	37.5	50.3	47.6	9.8	10.1	No	No	No		
1413	34 KELSO STREET SINGLETON	Residential	54	50	41.5	38.4	48.3	45.6	6.8	7.2	No	No	No		
1414	14 ADA STREET SINGLETON	Residential	55	50	43.9	40.9	52.0	49.4	8.1	8.5	No	No	No		
1415	69 KELSO STREET SINGLETON	Residential	54	50	42.0	39.0	50.2	47.5	8.2	8.5	No	No	No		
1416	13 ADA STREET SINGLETON	Residential	55	50	43.8	40.8	54.4	51.8	10.6	11.0	Yes	No	Yes		
1417	2 DEAKIN AVENUE SINGLETON	Residential	53	50	40.7	37.6	47.0	44.3	6.3	6.7	No	No	No		
1418	12 ADA STREET SINGLETON	Residential	54	50	42.1	39.0	50.6	47.9	8.5	8.9	No	No	No		
1419	32A KELSO STREET SINGLETON	Residential	54	50	42.3	39.3	48.4	45.6	6.1	6.3	No	No	No		
1420	67 KELSO STREET SINGLETON	Residential	53	50	40.8	37.7	49.9	47.2	9.1	9.5	No	No	No		
1421	12 ADA STREET SINGLETON	Residential	53	50	40.7	37.6	49.3	46.6	8.6	9.0	No	No	No		
1422	11 ADA STREET SINGLETON	Residential	54	50	42.1	39.1	54.1	51.5	12.0	12.4	Yes	No	Yes		
1424	65 KELSO STREET SINGLETON	Residential	54	50	42.1	39.1	49.4	46.7	7.3	7.6	No	No	No		
1425	10 ADA STREET SINGLETON	Residential	55	50	42.6	39.6	51.5	48.9	8.9	9.3	No	No	No		
1426	9 ADA STREET SINGLETON	Residential	55	50	42.9	39.9	53.9	51.3	11.0	11.4	Yes	No	Yes		
1427	8 ADA STREET SINGLETON	Residential	54	50	42.2	39.2	51.1	48.5	8.9	9.3	No	No	No		
1428	15 ADA STREET SINGLETON	Residential	55	50	42.5	39.5	58.3	55.7	15.8	16.2	Yes	No	Yes		
1429	63 KELSO STREET SINGLETON	Residential	51	48	38.7	35.7	47.4	44.7	8.7	9.0	No	No	No		
1431	30 KELSO STREET SINGLETON	Residential	54	50	41.8	38.8	48.6	45.8	6.8	7.0	No	No	No		
1432	6 ADA STREET SINGLETON	Residential	54	50	41.5	38.5	50.0	47.4	8.5	8.9	No	No	No		
1433	4 ADA STREET SINGLETON	Residential	53	50	41.4	38.4	46.6	43.9	5.2	5.5	No	No	No		
1434	61 KELSO STREET SINGLETON	Residential	53	50	41.4	38.3	46.8	44.1	5.4	5.8	No	No	No		
1436	7 ADA STREET SINGLETON	Residential	55	50	42.5	39.5	53.4	50.8	10.9	11.3	Yes	No	Yes		
1437	4 ADA STREET SINGLETON	Residential	54	50	42.3	39.2	49.4	46.7	7.1	7.5	No	No	No		
1439	26 KELSO STREET SINGLETON	Residential	54	50	41.9	38.9	48.3	45.5	6.4	6.6	No	No	No		
1440	2 ADA STREET SINGLETON	Residential	53	50	41.3	38.3	49.1	46.4	7.8	8.1	No	No	No		
1441	5 ADA STREET SINGLETON	Residential	55	50	42.9	39.9	53.6	50.9	10.7	11.0	Yes	No	Yes		
1442	59 KELSO STREET SINGLETON	Residential	52	49	39.9	36.9	47.9	45.2	8.0	8.3	No	No	No		
1443	3 ADA STREET SINGLETON	Residential	51	48	38.7	35.7	52.2	49.6	13.5	13.9	No	No	Yes		
1444	57 KELSO STREET SINGLETON	Residential	53	50	40.7	37.7	48.0	45.3	7.3	7.6	No	No	No		
1445	6 BOND STREET SINGLETON	Residential	55	50	43.8	40.8	47.3	44.7	3.5	3.9	No	No	No		
1446	1A ADA STREET SINGLETON	Residential	53	50	41.3	38.3	52.9	50.3	11.6	12.0	No	No	No		
1447	4 BOND STREET SINGLETON	Residential	55	50	43.8	40.8	48.4	45.7	4.6	4.9	No	No	No		
1448	55 KELSO STREET SINGLETON	Residential	51	48	39.3	36.3	48.5	45.8	9.2	9.5	No	No	No		
1449	2 BOND STREET SINGLETON	Residential	53	50	40.9	37.9	49.9	47.2	9.0	9.3	No	No	No		
1452	53 KELSO STREET SINGLETON	Residential	51	48	39.4	36.4	48.6	45.9	9.2	9.5	No	No	No		
1454	51 KELSO STREET SINGLETON	Residential	52	49	39.9	36.8	48.3	45.5	8.4	8.7	No	No	No		
1455	1 ADA STREET SINGLETON	Residential	55	50	43.2	40.2	56.1	53.5	12.9	13.3	Yes	No	Yes		
1456	2 ROSE AVENUE SINGLETON	Residential	55	50	44.9	41.8	51.9	49.3	7.0	7.5	No	No	No		
1457	40 ANDREW STREET SINGLETON	Residential	52	49	40.3	37.3	49.2	46.5	8.9	9.2	No	No	No		
1458	6 ROSE AVENUE SINGLETON	Residential	55	50	45.5	42.5	52.4	49.7	6.9	7.2	No	No	No		
1459	4 ROSE AVENUE SINGLETON	Residential	55	50	44.3	41.2	50.3	47.7	6.0	6.5	No	No	No		
1460	38 ANDREW STREET SINGLETON	Residential	50	46	37.5	34.4	48.2	45.6	10.7	11.2	No	No	No		
1462	10 ROSE AVENUE SINGLETON	Residential	55	50	46.0	43.0	52.3	49.7	6.3	6.7	No	No	No		
1463	8 ROSE AVENUE SINGLETON	Residential	55	50	44.8	41.8	52.1	49.5	7.3	7.7	No	No	No		
1464	36 ANDREW STREET SINGLETON	Residential	49	46	37.3	34.2	48.2	45.5	10.9	11.3	No	No	No		
1465	12 ROSE AVENUE SINGLETON	Residential	55	50	46.5	43.5	53.4	50.8	6.9	7.3	Yes	No	Yes		
1466	16 ROSE AVENUE SINGLETON	Residential	55	50	45.5	42.5	52.2	49.5	6.7	7.0	No	No	Yes		
1466	16 ROSE AVENUE SINGLETON	Residential	49	46	37.2	34.1	50.8	48.2	13.6	14.1	No	No	Yes		
1467	14 ROSE AVENUE SINGLETON	Residential	55	50	45.6	42.6	53.1	50.5	7.5	7.9	Yes	No	Yes		
1468	18 ROSE AVENUE SINGLETON	Residential	55	50	45.2	42.2	52.4	49.7	7.2	7.5	No	No	Yes		
1468	18 ROSE AVENUE SINGLETON	Residential	49	46	37.0	33.8	49.8	47.2	12.8	13.4	No	No	Yes		
1469	20 ROSE AVENUE SINGLETON	Residential	55	50	43.4	40.4	51.8	49.1	8.4	8.7	No	No	Yes		
1469	20 ROSE AVENUE SINGLETON	Residential	50	47	38.2	35.1	50.6	47.9	12.4	12.8	No	No	Yes		
1470	13 RENSHAW AVENUE SINGLETON	Residential	54	50	42.0	38.9	56.5	53.9	14.5	15.0	Yes	No	Yes		
1471	35 ANDREW STREET SINGLETON	Residential	55	50	43.5	40.5	47.2	44.4	3.7	3.9	No	No	No		
1472	3 ROSE AVENUE SINGLETON	Residential	55	50	44.8	41.8	47.6	44.9	2.8	3.1	No	No	No		
1473	5 ROSE AVENUE SINGLETON	Residential	55	50	45.7	42.7	48.4	45.7	2.7	3.0	No	No	No		
1474	26 VIEW STREET SINGLETON	Residential	55	50	46.3	43.2	50.9	48.2	4.6	5.0	No	No	No		
1475	32 ANDREW STREET SINGLETON	Residential	51	48	38.9	35.8	47.7	45.0	8.8	9.2	No	No	No		
1476	1 RENSHAW AVENUE SINGLETON	Residential	53	49	40.5	37.4	56.4	53.8	15.9	16.4	Yes	No	Yes		
1477	32 ANDREW STREET SINGLETON	Residential	51	48	38.6	35.5	47.6	44.9	9.0	9.4	No	No	No		
1478	29 VIEW STREET SINGLETON	Residential	53	50	41.4	38.4	54.4	51.8	13.0	13.4	Yes	No	Yes		
1479	2 RENSHAW AVENUE SINGLETON	Residential	53	50	41.3	38.2	53.6	51.0	12.3	12.8	Yes	No	Yes		
1480	32 ANDREW STREET SINGLETON	Residential	49	46	37.3	34.2	47.4	44.7	10.1	10.5	No	No	No		
1482	33 ANDREW STREET SINGLETON	Residential	52	49	39.9	36.8	46.3	43.6	6.4	6.8	No	No	No		
1483	24 VIEW STREET SINGLETON	Residential	53	50	40.6	37.5	50.4	47.7	9.8	10.2	No	No	No		
1484	32 ANDREW STREET SINGLETON	Residential	50	47	38.1	35.0	47.3	44.6	9.2	9.6	No	No	No		
1485	3 RENSHAW AVENUE SINGLETON	Residential	52	48	39.5	36.4	56.3	53.7	16.8	17.3	No	No	Yes		
1486	30 ANDREW STREET SINGLETON	Residential	52	49	39.6	36.5	47.4	44.6	7.8	8.1	No	No	No		
1487	27 VIEW STREET SINGLETON	Residential	49	46	37.1	33.9	53.8	51.2	16.7	17.3	Yes	No	Yes		

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - No Noise Barrier											Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change								
			Day	Night	Day	Night	Day	Night	Day	Night							
1488	4 RENSHAW AVENUE SINGLETON	Residential	52	49	39.6	36.5	53.7	51.1	14.1	14.6	No	No	Yes	Yes			
1490	6 RENSHAW AVENUE SINGLETON	Residential	52	49	39.9	36.8	53.9	51.3	14.0	14.5	Yes	No	No	Yes			
1491	22 VIEW STREET SINGLETON	Residential	49	46	37.3	34.2	49.5	46.8	12.2	12.6	No	No	Yes	Yes			
1492	43 KELSO STREET SINGLETON	Residential	52	49	39.7	36.5	46.7	43.9	7.0	7.4	No	No	No	No			
1493	5 RENSHAW AVENUE SINGLETON	Residential	52	49	39.9	36.8	56.2	53.6	16.3	16.8	No	No	Yes	Yes			
1494	25 VIEW STREET SINGLETON	Residential	50	46	37.5	34.3	53.4	50.7	15.9	16.4	No	No	Yes	Yes			
1495	8 RENSHAW AVENUE SINGLETON	Residential	50	47	37.7	34.5	54.0	51.4	16.3	16.9	Yes	No	No	Yes			
1496	20 VIEW STREET SINGLETON	Residential	54	50	41.9	38.9	51.4	48.8	9.5	9.9	No	No	No	No			
1497	7 RENSHAW AVENUE SINGLETON	Residential	52	49	39.9	36.8	56.0	53.4	16.1	16.6	No	No	Yes	Yes			
1498	29 ANDREW STREET SINGLETON	Residential	52	49	39.7	36.6	46.8	44.1	7.1	7.5	No	No	No	No			
1499	23 VIEW STREET SINGLETON	Residential	50	47	38.2	35.0	54.1	51.4	15.9	16.4	Yes	No	No	Yes			
1500	10 RENSHAW AVENUE SINGLETON	Residential	51	48	39.2	36.1	54.3	51.7	15.1	15.6	No	No	Yes	Yes			
1501	36A VICTORIA STREET GLENRIDDING	Residential	53	50	40.6	37.5	60.2	57.7	19.6	20.2	Yes	No	No	Yes			
1502	9 RENSHAW AVENUE SINGLETON	Residential	53	50	40.8	37.8	55.8	53.2	15.0	15.4	Yes	No	No	Yes			
1503	18 VIEW STREET SINGLETON	Residential	53	50	40.7	37.6	51.3	48.7	10.6	11.1	No	No	No	No			
1504	21 VIEW STREET SINGLETON	Residential	51	47	38.5	35.4	54.5	51.9	16.0	16.5	Yes	No	No	Yes			
1505	28 ANDREW STREET SINGLETON	Residential	52	49	39.7	36.6	47.0	44.3	7.3	7.7	No	No	No	No			
1507	19 VIEW STREET SINGLETON	Residential	47	44	35.1	32.0	53.8	51.1	18.7	19.1	Yes	No	No	Yes			
1508	12 RENSHAW AVENUE SINGLETON	Residential	51	48	39.2	36.1	54.2	51.6	15.0	15.5	No	No	Yes	Yes			
1509	11 RENSHAW AVENUE SINGLETON	Residential	48	45	36.1	32.9	52.0	49.4	15.9	16.5	No	No	Yes	Yes			
1511	27 ANDREW STREET SINGLETON	Residential	53	50	40.7	37.6	47.6	44.9	6.9	7.3	No	No	No	No			
1512	16 VIEW STREET SINGLETON	Residential	53	50	41.0	37.9	51.7	49.1	10.7	11.2	No	No	No	No			
1513	26 ANDREW STREET SINGLETON	Residential	53	50	40.9	37.8	47.2	44.5	6.3	6.7	No	No	No	No			
1514	17 VIEW STREET SINGLETON	Residential	53	50	41.0	37.9	54.8	52.2	13.8	14.3	No	No	Yes	Yes			
1515	14 RENSHAW AVENUE SINGLETON	Residential	52	49	40.0	36.9	54.0	51.4	14.0	14.5	Yes	No	No	Yes			
1516	25 ANDREW STREET SINGLETON	Residential	53	50	41.3	38.2	48.7	46.0	7.4	7.8	No	No	No	No			
1517	14 VIEW STREET SINGLETON	Residential	53	50	40.8	37.7	51.7	49.1	10.9	11.4	No	No	No	No			
1518	22 RENSHAW AVENUE SINGLETON	Residential	52	49	40.4	37.3	56.6	54.0	16.2	16.7	Yes	No	No	Yes			
1519	20 RENSHAW AVENUE SINGLETON	Residential	53	50	40.5	37.5	52.9	50.2	12.4	12.7	No	No	Yes	Yes			
1520	18 RENSHAW AVENUE SINGLETON	Residential	52	49	40.4	37.4	51.9	49.2	11.5	11.8	No	No	Yes	Yes			
1520	18 RENSHAW AVENUE SINGLETON	Residential	48	45	36.4	33.2	51.1	48.5	14.7	15.3	No	No	Yes	Yes			
1521	15 VIEW STREET SINGLETON	Residential	53	50	41.2	38.0	54.9	52.2	13.7	14.2	Yes	No	No	Yes			
1522	23 ANDREW STREET SINGLETON	Residential	52	49	39.7	36.5	48.7	46.0	9.0	9.5	No	No	No	No			
1523	24 ANDREW STREET SINGLETON	Residential	51	48	39.4	36.3	45.9	43.2	6.5	6.9	No	No	No	No			
1524	16 RENSHAW AVENUE SINGLETON	Residential	55	50	42.5	39.5	55.9	53.3	13.4	13.8	No	No	Yes	Yes			
1525	12 VIEW STREET SINGLETON	Residential	52	49	39.6	36.6	49.6	46.9	10.0	10.3	No	No	No	No			
1526	13 VIEW STREET SINGLETON	Residential	52	48	39.5	36.4	54.6	52.0	15.1	15.6	Yes	No	No	Yes			
1527	12 RAILWAY STREET SINGLETON	Residential	52	48	39.5	36.4	56.0	53.4	16.5	17.0	Yes	No	No	Yes			
1528	21 ANDREW STREET SINGLETON	Residential	49	46	37.4	34.2	48.1	45.4	10.7	11.2	No	No	No	No			
1529	22 ANDREW STREET SINGLETON	Residential	52	49	40.1	37.0	46.9	44.2	6.8	7.2	No	No	No	No			
1530	20 ANDREW STREET SINGLETON	Residential	51	48	39.1	36.0	46.8	44.1	7.7	8.1	No	No	No	No			
1531	10 VIEW STREET SINGLETON	Residential	52	49	39.6	36.5	50.2	47.5	10.6	11.0	No	No	No	No			
1532	10 RAILWAY STREET SINGLETON	Residential	51	48	39.2	35.9	56.1	53.5	16.9	17.6	Yes	No	No	Yes			
1533	11 VIEW STREET SINGLETON	Residential	53	50	41.1	37.9	55.3	52.6	14.2	14.7	Yes	No	No	Yes			
1534	19 ANDREW STREET SINGLETON	Residential	51	48	39.4	36.2	48.3	45.6	8.9	9.4	No	No	No	No			
1535	8 VIEW STREET SINGLETON	Residential	51	48	39.4	36.3	50.2	47.5	10.8	11.2	No	No	No	No			
1536	17 ANDREW STREET SINGLETON	Residential	49	46	37.0	33.7	48.0	45.3	11.0	11.6	No	No	No	No			
1537	18 ANDREW STREET SINGLETON	Residential	51	48	38.9	35.8	46.8	44.1	7.9	8.3	No	No	No	No			
1538	8B RAILWAY STREET SINGLETON	Residential	52	49	40.0	36.8	55.1	52.5	15.1	15.7	Yes	No	No	Yes			
1539	9 VIEW STREET SINGLETON	Residential	50	47	38.3	35.1	54.5	51.8	16.2	16.7	Yes	No	No	Yes			
1540	6 VIEW STREET SINGLETON	Residential	50	47	38.3	35.2	49.5	46.8	11.2	11.6	No	No	No	No			
1542	8 RAILWAY STREET SINGLETON	Residential	51	47	38.6	35.4	55.5	52.9	16.9	17.5	Yes	No	No	Yes			
1543	7 VIEW STREET SINGLETON	Residential	49	46	36.6	33.5	53.7	51.1	17.1	17.6	No	No	Yes	Yes			
1544	16 ANDREW STREET SINGLETON	Residential	50	47	38.3	35.2	47.0	44.3	8.7	9.1	No	No	No	No			
1545	15 ANDREW STREET SINGLETON	Residential	51	48	38.9	35.8	47.9	45.2	9.0	9.4	No	No	No	No			
1549	2 SCOTT STREET SINGLETON	Residential	50	47	38.3	35.0	55.4	52.8	17.1	17.8	No	No	Yes	Yes			
1550	5 VIEW STREET SINGLETON	Residential	52	49	40.2	37.0	55.0	52.3	14.8	15.3	Yes	No	No	Yes			
1553	4 VIEW STREET SINGLETON	Residential	49	46	36.9	33.6	49.0	46.4	12.1	12.8	No	No	No	No			
1555	3A VIEW STREET SINGLETON	Residential	50	47	37.7	34.5	54.3	51.7	16.6	17.2	Yes	No	No	Yes			
1556	13 ANDREW STREET SINGLETON	Residential	51	48	38.9	35.6	47.6	44.9	8.7	9.3	No	No	No	No			
1558	14A ANDREW STREET SINGLETON	Residential	51	48	39.4	36.3	46.6	43.9	7.2	7.6	No	No	No	No			
1559	2 SCOTT STREET SINGLETON	Residential	51	48	39.4	36.1	55.4	52.8	16.0	16.7	No	No	Yes	Yes			
1560	3 VIEW STREET SINGLETON	Residential	50	47	38.3	35.1	54.9	52.2	16.6	17.1	Yes	No	No	Yes			
1561	2A VIEW STREET SINGLETON	Residential	49	45	36.6	33.4	50.0	47.3	13.4	13.9	No	No	Yes	Yes			
1562	14 ANDREW STREET SINGLETON	Residential	51	48	38.8	35.6	47.4	44.7	8.6	9.1	No	No	No	No			
1563	2 VIEW STREET SINGLETON	Residential	51	48	39.3	35.9	51.1	48.4	11.8	12.5	No	No	Yes	Yes			
1564	9-11 ANDREW STREET SINGLETON	Residential	50	46	37.7	34.4	47.7	45.0	10.0	10.6	No	No	No	No			
1565	32-33 VICTORIA STREET GLENRIDDING	Residential	50	47	38.2	34.9	55.1	52.5	16.9	17.6	Yes	No	No	Yes			
1566	12 ANDREW STREET SINGLETON	Residential	51	48	39.2	36.1	47.6	44.9	8.4	8.8	No	No	No	No			
1568	68 CHURCH STREET SINGLETON	Residential	48	45	36.3	33.1	48.2	45.5	11.9	12.4	No	No	Yes	Yes			
1569	70 CHURCH STREET SINGLETON	Residential	50	47	37.9	34.7	50.8	48.2	12.9	13.5	No	No	Yes	Yes			
1570	66 CHURCH STREET SINGLETON	Residential	50	47	37.8	34.6	47.7	45.0	9.9	10.4	No	No	No	No			
1572	55 CHURCH STREET GLENRIDDING	Residential	48	45	36.4	33.1	57.7	55.2	21.3	22.1	Yes	No	No	Yes			
1573	64 CHURCH STREET SINGLETON	Residential	49	46	37.4	34.2	46.5	43.8	9.1	9.6	No	No	No	No			
1575	56 CHURCH STREET SINGLETON	Residential	51	47	38.5	35.2	48.0	45.3	9.5	10.1	No	No	No	No			
1576	60 CHURCH STREET SINGLETON	Residential	51	48	38.8	35.5	47.9	45.2	9.1	9.7	No	No	No	No			
1577	62 CHURCH STREET SINGLETON	Residential	51	47	38.5	35.2	46.7	43.9	8.2	8.7	No	No	No	No			
1578	31 VICTORIA STREET GLENRIDDING	Residential	50	46	37.6	34.2	54.8	52.2	17.2	18.0	No	No	Yes	Yes			
1580	56 CHURCH STREET SINGLETON	Residential	50	47	38.4	35.0	48.1	45.4	9.7	10.4	No	No	No	No			
1582	47 CHURCH STREET SINGLETON	Residential	51	47	38.5	35.1	52.9	50.2	14.4	15.1	No	No	Yes	Yes			
1584	30 VICTORIA STREET GLENRIDDING	Residential	49	46	37.0	33.6	54.2	51.5	17.2	17.9	No	No	Yes	Yes			
1585	43 CHURCH STREET SINGLETON	Residential	51	47	38.6	35.2	51.3	48.6	12.7	13.4	No	No	Yes	Yes			
1586	45 CHURCH STREET SINGLETON	Residential	52	48	39.5	36.1	51.7	49.1	12.2	13.0	No	No	Yes	Yes			
1588	41 CHURCH STREET SINGLETON	Residential	50	47	38.1	34.8	46.9	44.2	8.8	9.4	No	No	No	No			
1589	39A CHURCH STREET SINGLETON	Residential	51	47	38.7	35.3	49.8	47.1	11.1	11.8	No	No	No	No			
1591	29 VICTORIA STREET GLENRIDDING	Residential	50	46	37.7	34.3	54.2	51.6	16.5	17.3	No	No	Yes	Yes			
1592	37 CHURCH STREET SINGLETON	Residential	52	49	39.7	36.5	49.5	46.8	9.8	10.3	No	No	No	No			
1593	41 CHURCH STREET SINGLETON	Residential	52	48	39.5	36.1	51.6	48.9	12.1	12.8	No	No	Yes	Yes			
1594	35 CHURCH STREET SINGLETON	Residential	50	47	37.8	34.6	48.9	46.2	11.1	11.6	No	No	No	No			
1595	28 VICTORIA STREET GLENRIDDING	Residential	50	47	38.3	34.9	54.4	51.8	16.1	16.9	Yes	No	No	Yes			
1597	30 CARRINGTON STREET GLENRIDDING	Residential	51	48	39.2	35.8	58.4	55.8	19.2	20.0	Yes	No	No	Yes			
1598	17 KELSO STREET SINGLETON	Residential	51	48	38.8	35.6	48.4	45.7	9.6	10.1	No	No	No	No			
1599	27 VICTORIA STREET GLENRIDDING	Residential	47	44	35.2	31.9	53.3	50.7	18.1	18.8	No	Yes	Yes	Yes			

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - No Noise Barrier											Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change								
			Day	Night	Day	Night	Day	Night	Day	Night							
1600	8 ANDREW STREET SINGLETON	Residential	52	48	39.6	36.4	49.4	46.7	9.8	10.3	No	No	No	No	No	No	
1601	26 VICTORIA STREET GLENRIDDING	Residential	51	48	39.3	35.8	54.6	52.0	15.3	16.2	No	No	Yes	Yes	Yes	Yes	
1602	6 ANDREW STREET SINGLETON	Residential	50	47	38.2	35.0	49.3	46.6	11.1	11.6	No	No	No	No	No	No	
1603	1 ANDREW STREET SINGLETON	Residential	51	48	38.8	35.5	51.1	48.5	12.3	13.0	No	No	Yes	Yes	Yes	Yes	
1605	15 KELSO STREET SINGLETON	Residential	50	47	38.1	34.9	48.8	46.1	10.7	11.2	No	No	No	No	No	No	
1606	25 VICTORIA STREET GLENRIDDING	Residential	52	48	39.7	36.3	54.3	51.6	14.6	15.3	Yes	No	No	Yes	Yes	Yes	
1607	13 KELSO STREET SINGLETON	Residential	49	46	36.9	33.6	49.2	46.5	12.3	12.9	No	No	Yes	Yes	Yes	Yes	
1608	11 KELSO STREET SINGLETON	Residential	50	47	37.8	34.6	49.4	46.7	11.6	12.1	No	No	No	No	No	No	
1609	23 VICTORIA STREET GLENRIDDING	Residential	51	48	39.4	36.1	54.1	51.4	14.7	15.3	Yes	No	No	Yes	Yes	Yes	
1610	4 ANDREW STREET SINGLETON	Residential	50	47	37.9	34.7	50.0	47.4	12.1	12.7	No	No	No	No	No	No	
1611	9 KELSO STREET SINGLETON	Residential	49	46	37.3	34.1	48.9	46.3	11.6	12.2	No	No	No	No	No	No	
1614	7 KELSO STREET SINGLETON	Residential	50	47	38.0	34.8	49.5	46.8	11.5	12.0	No	No	No	No	No	No	
1615	2 ANDREW STREET SINGLETON	Residential	49	45	36.6	33.4	50.0	47.4	13.4	14.0	No	No	Yes	Yes	Yes	Yes	
1616	5 KELSO STREET SINGLETON	Residential	52	48	39.6	36.4	49.8	47.1	10.2	10.7	No	No	No	No	No	No	
1620	3 KELSO STREET SINGLETON	Residential	51	47	38.6	35.4	49.4	46.7	10.8	11.3	No	No	No	No	No	No	
1622	10 CROWN STREET GLENRIDDING	Residential	52	48	39.7	36.3	57.0	54.4	17.3	18.1	Yes	No	No	Yes	Yes	Yes	
1623	35 CARRINGTON STREET GLENRIDDING	Residential	53	49	40.6	37.1	57.5	54.9	16.9	17.8	Yes	No	No	Yes	Yes	Yes	
1626	48 ARMY CAMP ROAD GLENRIDDING	Residential	55	50	45.9	42.4	54.9	52.4	9.0	10.0	Yes	No	No	Yes	Yes	Yes	
1630	8 KELSO STREET SINGLETON	Residential	50	47	37.9	34.6	49.4	46.8	11.5	12.2	No	No	No	No	No	No	
1633	13 CROWN STREET GLENRIDDING	Residential	54	50	42.3	38.8	61.1	58.6	18.8	19.8	Yes	No	No	Yes	Yes	Yes	
1634	19 VICTORIA STREET GLENRIDDING	Residential	51	47	38.7	35.3	53.1	50.5	14.4	15.2	No	No	Yes	Yes	Yes	Yes	
1635	9 CROWN STREET GLENRIDDING	Residential	52	48	39.9	36.4	56.1	53.5	16.2	17.1	Yes	No	No	Yes	Yes	Yes	
1636	33 CARRINGTON STREET GLENRIDDING	Residential	54	50	41.7	38.3	58.5	56.0	16.8	17.7	Yes	No	No	Yes	Yes	Yes	
1637	16 VICTORIA STREET GLENRIDDING	Residential	52	49	40.3	36.9	55.6	52.9	15.3	16.0	No	No	Yes	Yes	Yes	Yes	
1638	9 ALBERT STREET SINGLETON	Residential	51	47	38.5	35.3	47.8	45.1	9.3	9.8	No	No	No	No	No	No	
1639	16 ALBERT STREET SINGLETON	Residential	51	48	38.8	35.6	48.8	46.1	10.0	10.5	No	No	No	No	No	No	
1640	18 VICTORIA STREET GLENRIDDING	Residential	53	49	40.6	37.2	53.8	51.2	13.2	14.0	No	No	Yes	Yes	Yes	Yes	
1641	7 ALBERT STREET SINGLETON	Residential	50	46	37.5	34.3	48.9	46.2	11.4	11.9	No	No	No	No	No	No	
1642	16 ALBERT STREET SINGLETON	Residential	52	49	39.7	36.5	47.5	44.8	7.8	8.3	No	No	No	No	No	No	
1647	5 ALBERT STREET SINGLETON	Residential	50	46	37.5	34.2	48.9	46.2	11.4	12.0	No	No	No	No	No	No	
1648	29 CARRINGTON STREET GLENRIDDING	Residential	55	50	42.5	39.0	58.7	56.1	16.2	17.1	No	No	Yes	Yes	Yes	Yes	
1649	13 WYNYARD STREET SINGLETON	Residential	50	47	37.9	34.7	48.6	46.0	10.7	11.3	No	No	No	No	No	No	
1650	3 ALBERT STREET SINGLETON	Residential	50	46	37.7	34.4	49.4	46.7	11.7	12.3	No	No	Yes	Yes	Yes	Yes	
1651	13 WYNYARD STREET SINGLETON	Residential	52	49	39.9	36.5	48.5	45.8	8.6	9.3	No	No	No	No	No	No	
1653	1A ALBERT STREET SINGLETON	Residential	50	47	38.1	34.7	49.6	47.0	11.5	12.3	No	No	No	No	No	No	
1654	12 ALBERT STREET SINGLETON	Residential	51	47	38.5	35.2	49.3	46.6	10.8	11.4	No	No	No	No	No	No	
1658	15 VICTORIA STREET GLENRIDDING	Residential	100	100	39.4	36.3	51.6	49.0	12.2	12.7	No	No	Yes	Yes	Yes	Yes	
1659	25 CARRINGTON STREET GLENRIDDING	Residential	55	50	43.0	39.6	58.5	56.0	15.5	16.4	Yes	No	No	Yes	Yes	Yes	
1660	10 ALBERT STREET SINGLETON	Residential	51	48	38.8	35.6	49.5	46.8	10.7	11.2	No	No	No	No	No	No	
1662	1 ALBERT STREET SINGLETON	Residential	50	47	38.0	34.7	50.5	47.9	12.5	13.2	No	No	Yes	Yes	Yes	Yes	
1664	8 ALBERT STREET SINGLETON	Residential	51	47	38.6	35.3	49.8	47.1	11.2	11.8	No	No	No	No	No	No	
1666	4 KELSO STREET SINGLETON	Residential	49	46	37.4	34.2	50.2	47.5	12.8	13.3	No	No	Yes	Yes	Yes	Yes	
1667	2 KELSO STREET SINGLETON	Residential	51	48	38.9	35.6	52.5	49.9	13.6	14.3	No	No	Yes	Yes	Yes	Yes	
1668	3 RAWCLIFFE STREET SINGLETON	Residential	54	50	41.8	38.4	50.0	47.4	8.2	9.0	No	No	No	No	No	No	
1671	21 CARRINGTON STREET GLENRIDDING	Residential	55	50	42.8	39.3	58.1	55.5	15.3	16.2	Yes	No	No	Yes	Yes	Yes	
1672	6 ALBERT STREET SINGLETON	Residential	50	47	38.4	35.1	49.9	47.2	11.5	12.1	No	No	No	No	No	No	
1675	19 CARRINGTON STREET GLENRIDDING	Residential	54	50	41.9	38.4	58.2	55.7	16.3	17.3	Yes	No	No	Yes	Yes	Yes	
1677	15 CARRINGTON STREET GLENRIDDING	Residential	55	50	44.5	41.0	60.1	57.5	15.6	16.5	Yes	No	No	Yes	Yes	Yes	
1678	4 ALBERT STREET SINGLETON	Residential	52	48	39.8	36.4	51.0	48.3	11.2	11.9	No	No	No	No	No	No	
1681	7 RAWCLIFFE STREET SINGLETON	Residential	52	48	39.5	36.1	48.5	45.8	9.0	9.7	No	No	No	No	No	No	
1682	9 WYNYARD STREET SINGLETON	Residential	50	46	37.6	34.3	49.5	46.9	11.9	12.6	No	No	Yes	Yes	Yes	Yes	
1684	9 WYNYARD STREET SINGLETON	Residential	50	47	38.4	35.0	50.5	47.9	12.1	12.9	No	No	Yes	Yes	Yes	Yes	
1685	13 CARRINGTON STREET GLENRIDDING	Residential	55	50	47.1	43.6	59.6	57.0	12.5	13.4	Yes	No	No	Yes	Yes	Yes	
1686	9 WYNYARD STREET SINGLETON	Residential	51	48	39.1	35.7	51.2	48.5	12.1	12.8	No	No	Yes	Yes	Yes	Yes	
1687	14 CARRINGTON STREET GLENRIDDING	Residential	54	50	42.0	38.6	56.6	54.0	14.6	15.4	Yes	No	No	Yes	Yes	Yes	
1688	12 VICTORIA STREET GLENRIDDING	Residential	55	50	42.8	39.3	55.3	52.7	12.5	13.4	Yes	No	No	Yes	Yes	Yes	
1689	9 WYNYARD STREET SINGLETON	Residential	52	49	40.1	36.8	51.8	49.2	11.7	12.4	No	No	No	No	No	No	
1690	75 PUTTY ROAD GLENRIDDING	Residential	60	55	65.8	62.4	69.2	67.0	3.4	4.6	Yes	No	No	Yes	Yes	Yes	
1692	12 CARRINGTON STREET GLENRIDDING	Residential	55	50	43.4	39.9	57.1	54.6	13.7	14.7	Yes	No	No	Yes	Yes	Yes	
1693	32 GLENRIDDING ROAD GLENRIDDING	Residential	55	50	56.3	52.8	63.1	60.7	6.8	7.9	Yes	No	No	Yes	Yes	Yes	
1694	7 RAWCLIFFE STREET SINGLETON	Residential	53	49	40.8	37.4	49.6	46.9	8.8	9.5	No	No	No	No	No	No	
1695	10 CARRINGTON STREET GLENRIDDING	Residential	55	50	42.7	39.2	57.2	54.7	14.5	15.5	Yes	No	No	Yes	Yes	Yes	
1698	7 CARRINGTON STREET GLENRIDDING	Residential	55	50	45.4	41.9	61.1	58.6	15.7	16.7	Yes	No	No	Yes	Yes	Yes	
1700	69 BATHURST STREET SINGLETON	Residential	51	48	38.9	35.6	51.5	48.9	12.6	13.3	No	No	Yes	Yes	Yes	Yes	
1701	8 CARRINGTON STREET GLENRIDDING	Residential	55	50	44.5	41.0	58.4	55.8	13.9	14.8	Yes	No	No	Yes	Yes	Yes	
1703	5 CARRINGTON STREET GLENRIDDING	Residential	55	50	48.2	44.7	61.4	59.0	13.2	14.3	Yes	No	No	Yes	Yes	Yes	
1705	8 MUNRO LANE SINGLETON	Residential	53	49	40.5	37.1	53.2	50.6	12.7	13.5	No	No	Yes	Yes	Yes	Yes	
1706	6 CARRINGTON STREET GLENRIDDING	Residential	55	50	49.9	46.5	59.4	56.9	9.5	10.4	Yes	No	No	Yes	Yes	Yes	
1708	3 CARRINGTON STREET GLENRIDDING	Residential	55	50	54.2	50.7	63.0	60.6	8.8	9.9	Yes	No	No	Yes	Yes	Yes	
1709	7 WYNYARD STREET SINGLETON	Residential	50	47	37.8	34.5	51.3	48.7	13.5	14.2	No	No	Yes	Yes	Yes	Yes	
1711	9 VICTORIA STREET GLENRIDDING	Residential	55	50	43.8	40.4	54.7	52.1	10.9	11.7	Yes	No	No	Yes	Yes	Yes	
1713	7 WYNYARD STREET SINGLETON	Residential	51	48	39.4	36.1	50.9	48.3	11.5	12.2	No	No	No	No	No	No	
1714	8 VICTORIA STREET GLENRIDDING	Residential	55	50	42.7	39.3	54.3	51.7	11.6	12.4	Yes	No	No	Yes	Yes	Yes	
1715	67 BATHURST STREET SINGLETON	Residential	51	48	38.8	35.5	49.7	47.0	10.9	11.5	No	No	No	No	No	No	
1717	5 WYNYARD STREET SINGLETON	Residential	52	49	39.9	36.5	52.2	49.5	12.3	13.0	No	No	Yes	Yes	Yes	Yes	
1719	65 BATHURST STREET SINGLETON	Residential	53	49	40.8	37.4	48.9	46.3	8.1	8.9	No	No	No	No	No	No	
1721	3 WYNYARD STREET SINGLETON	Residential	52	49	39.9	36.5	52.7	50.1	12.8	13.6	No	No	Yes	Yes	Yes	Yes	
1722	7 VICTORIA STREET GLENRIDDING	Residential	55	50	44.9	41.5	55.1	52.4	10.2	10.9	Yes	No	No	Yes	Yes	Yes	
1723	63 BATHURST STREET SINGLETON	Residential	53	50	41.4	38.1	49.6	46.8	8.2	8.7	No	No	No	No	No	No	
1724	1 WYNYARD STREET SINGLETON	Residential	53	50	40.9	37.5	53.4	50.7	12.5	13.2	Yes	No	No	Yes	Yes	Yes	
1725	8 WYNYARD STREET SINGLETON	Residential	51	48	39.1	35.8	50.1	47.4	11.0	11.6	No	No	No	No	No	No	
1727	6 VICTORIA STREET GLENRIDDING	Residential	55	50	45.6	42.1	56.2	53.6	10.6	11.5	Yes	No	No	Yes	Yes	Yes	
1728	61 BATHURST STREET SINGLETON	Residential	53	50	41.1	37.8	49.6	46.9	8.5	9.1	No	No	No	No	No	No	
1729	6 WYNYARD STREET SINGLETON	Residential	51	48	39.2	35.8	50.3	47.7	11.1	11.9	No	No	No	No	No	No	
1730	5 VICTORIA STREET GLENRIDDING	Residential	55	50	45.7	42.3	56.2	53.5	10.5	11.2	Yes	No	No	Yes	Yes	Yes	
1731	4 WYNYARD STREET SINGLETON	Residential	53	49	40.5	37.0	51.9	49.3	11.4	12.3	No	No	No	No	No	No	
1732	59 BATHURST STREET SINGLETON	Residential	52	49	40.0	36.5	48.9	46.3	8.9	9.8	No	No	No	No	No	No	
1733	4 VICTORIA STREET GLENRIDDING	Residential	55	50	44.1	40.6	54.9	52.3	10.8	11.7	Yes	No	No	Yes	Yes	Yes	
1734	2 WYNYARD STREET SINGLETON	Residential	53	49	40.7	37.2	52.4	49.8	11.7	12.6	No	No	Yes	Yes	Yes	Yes	
1736	46 BATHURST STREET SINGLETON	Child Care	100	100	39.5	36.2	49.3	46.6	9.8	10.4	No	No	No	No			

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - No Noise Barrier									Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change						
			Day	Night	Day	Night	Day	Night	Day	Night					
1741	5 FREDERICK STREET SINGLETON	Residential	53	49	40.6	37.2	52.6	50.0	12.0	12.8	No	No	Yes	Yes	
1742	8 GLENRIDDING ROAD GLENRIDDING	Residential	55	50	54.1	50.6	59.4	56.9	5.3	6.3	Yes	No	No	Yes	
1744	2 VICTORIA STREET GLENRIDDING	Residential	55	50	46.1	42.6	53.6	51.0	7.5	8.4	Yes	No	No	Yes	
1745	7 PARK STREET SINGLETON	Residential	51	47	38.7	35.3	49.3	46.6	10.6	11.3	No	No	No	No	
1746	57 BATHURST STREET SINGLETON	Residential	52	49	40.2	36.9	49.6	46.9	9.4	10.0	No	No	No	No	
1747	7 FREDERICK STREET SINGLETON	Residential	53	50	41.2	37.7	50.7	48.0	9.5	10.3	No	No	No	No	
1748	5 PARK STREET SINGLETON	Residential	52	48	39.7	36.4	49.6	46.9	9.9	10.5	No	No	No	No	
1750	1 VICTORIA STREET GLENRIDDING	Residential	100	100	49.6	46.2	53.6	51.0	4.0	4.8	No	No	No	No	
1751	3 PARK STREET SINGLETON	Residential	49	46	37.4	34.0	48.3	45.6	10.9	11.6	No	No	No	No	
1752	1 PARK STREET SINGLETON	Residential	54	50	42.0	38.6	50.5	47.8	8.5	9.2	No	No	No	No	
1753	9 FREDERICK STREET SINGLETON	Residential	55	50	43.0	39.5	50.9	48.2	7.9	8.7	No	No	No	No	
1756	55 BATHURST STREET SINGLETON	Residential	53	49	40.7	37.3	49.1	46.4	8.4	9.1	No	No	No	No	
1757	12 PARK STREET SINGLETON	Residential	52	49	40.4	37.0	49.6	46.9	9.2	9.9	No	No	No	No	
1758	2 GLENRIDDING ROAD GLENRIDDING	Residential	55	50	53.9	50.5	57.7	55.2	3.8	4.7	Yes	No	No	Yes	
1760	53 BATHURST STREET SINGLETON	Residential	53	49	40.7	37.2	48.5	45.9	7.8	8.7	No	No	No	No	
1761	10 PARK STREET SINGLETON	Residential	52	49	40.1	36.7	49.4	46.7	9.3	10.0	No	No	No	No	
1762	11 FREDERICK STREET SINGLETON	Residential	55	50	42.8	39.4	50.8	48.1	8.0	8.7	No	No	No	No	
1763	9 GLENRIDDING ROAD GLENRIDDING	Residential	60	55	59.3	55.8	60.0	57.5	0.7	1.7	Yes	No	No	Yes	
1764	8 PARK STREET SINGLETON	Residential	53	49	40.5	37.1	49.4	46.6	8.9	9.5	No	No	No	No	
1765	44 BATHURST STREET SINGLETON	Residential	52	49	40.1	36.8	49.2	46.5	9.1	9.7	No	No	No	No	
1766	6 PARK STREET SINGLETON	Residential	53	49	40.7	37.3	49.7	47.0	9.0	9.7	No	No	No	No	
1767	23 GLENRIDDING ROAD GLENRIDDING	Residential	55	50	44.9	41.5	57.1	54.6	12.2	13.1	No	No	Yes	Yes	
1768	51 BATHURST STREET SINGLETON	Residential	52	49	40.0	36.6	48.3	45.7	8.3	9.1	No	No	No	No	
1769	4 PARK STREET SINGLETON	Residential	53	49	40.5	37.1	50.1	47.4	9.6	10.3	No	No	No	No	
1772	7 GLENRIDDING ROAD GLENRIDDING	Residential	60	55	60.1	56.6	59.9	57.4	-0.2	0.8	No	No	No	No	
1773	2 PARK STREET SINGLETON	Residential	54	50	41.9	38.4	49.9	47.2	8.0	8.8	No	No	No	No	
1774	25 HARRIETT STREET SINGLETON	Residential	53	49	40.7	37.4	49.1	46.4	8.4	9.0	No	No	No	No	
1776	23 HARRIETT STREET SINGLETON	Residential	52	49	40.4	37.0	49.2	46.5	8.8	9.5	No	No	No	No	
1777	49 BATHURST STREET SINGLETON	Residential	53	49	40.5	37.1	48.4	45.7	7.9	8.6	No	No	No	No	
1778	44 BATHURST STREET SINGLETON	Residential	54	50	41.6	38.4	49.1	46.4	7.5	8.0	No	No	No	No	
1780	2 WALTER STREET SINGLETON	Residential	55	50	48.1	44.6	54.4	51.8	6.3	7.2	Yes	No	No	Yes	
1782	21 HARRIETT STREET SINGLETON	Residential	52	49	40.2	36.8	49.0	46.3	8.8	9.5	No	No	No	No	
1783	13A FREDERICK STREET SINGLETON	Residential	54	50	42.3	38.9	50.0	47.4	7.7	8.5	No	No	No	No	
1784	30 HARRIETT STREET SINGLETON	Residential	52	49	40.1	36.8	48.6	45.9	8.5	9.1	No	No	No	No	
1786	19 HARRIETT STREET SINGLETON	Residential	52	49	40.4	37.0	49.4	46.6	9.0	9.6	No	No	No	No	
1788	28 HARRIETT STREET SINGLETON	Residential	52	48	39.7	36.3	48.4	45.7	8.7	9.4	No	No	No	No	
1790	32 BATHURST STREET SINGLETON	Residential	55	50	42.7	39.2	48.3	45.7	5.6	6.5	No	No	No	No	
1791	17 HARRIETT STREET SINGLETON	Residential	51	48	39.2	35.8	48.3	45.6	9.1	9.8	No	No	No	No	
1792	26 HARRIETT STREET SINGLETON	Residential	51	48	39.3	35.9	48.1	45.4	8.8	9.5	No	No	No	No	
1793	47 BATHURST STREET SINGLETON	Residential	53	50	41.2	37.9	47.9	45.3	6.7	7.4	No	No	No	No	
1794	3 DUDDING STREET SINGLETON	Residential	55	50	45.4	41.9	52.7	50.0	7.3	8.1	No	No	No	No	
1795	7 DUDDING STREET SINGLETON	Residential	55	50	44.7	41.2	51.7	49.0	7.0	7.8	No	No	No	No	
1796	5 GLENRIDDING ROAD GLENRIDDING	Residential	60	55	59.2	55.7	58.6	56.2	-0.6	0.5	No	No	No	No	
1797	6 DUDDING STREET SINGLETON	Residential	54	50	41.5	38.0	49.4	46.8	7.9	8.8	No	No	No	No	
1798	15 HARRIETT STREET SINGLETON	Residential	54	50	42.4	39.0	49.8	47.2	7.4	8.2	No	No	No	No	
1799	1 DUDDING STREET SINGLETON	Residential	55	50	45.9	42.5	53.1	50.5	7.2	8.0	Yes	No	No	Yes	
1800	5 DUDDING STREET SINGLETON	Residential	55	50	45.1	41.6	52.2	49.5	7.1	7.9	No	No	No	No	
1801	4 DUDDING STREET SINGLETON	Residential	53	50	41.4	37.9	49.0	46.4	7.6	8.5	No	No	No	No	
1802	24 HARRIETT STREET SINGLETON	Residential	53	50	40.9	37.5	48.5	45.8	7.6	8.3	No	No	No	No	
1803	26 HARRIETT STREET SINGLETON	Residential	53	49	40.6	37.2	47.5	44.8	6.9	7.6	No	No	No	No	
1805	22 HARRIETT STREET SINGLETON	Residential	54	50	41.5	38.1	48.8	46.0	7.3	7.9	No	No	No	No	
1806	45 BATHURST STREET SINGLETON	Residential	53	50	41.1	37.7	48.1	45.5	7.0	7.8	No	No	No	No	
1808	4A DUDDING STREET SINGLETON	Residential	54	50	42.3	38.8	49.3	46.5	7.0	7.7	No	No	No	No	
1809	20 HARRIETT STREET SINGLETON	Residential	53	50	41.3	37.9	48.8	46.2	7.5	8.3	No	No	No	No	
1810	26 HARRIETT STREET SINGLETON	Residential	54	50	41.9	38.5	48.8	46.1	6.9	7.6	No	No	No	No	
1811	43 BATHURST STREET SINGLETON	Residential	53	49	40.7	37.2	47.8	45.2	7.1	8.0	No	No	No	No	
1812	2 DUDDING STREET SINGLETON	Residential	55	50	43.4	40.0	49.9	47.3	6.5	7.3	No	No	No	No	
1813	3 LESLEY STREET SINGLETON	Residential	55	50	45.1	41.7	50.4	47.8	5.3	6.1	No	No	No	No	
1814	2A DUDDING STREET SINGLETON	Residential	55	50	43.6	40.3	50.9	48.3	7.3	8.0	No	No	No	No	
1815	11 HARRIETT STREET SINGLETON	Residential	54	50	42.2	38.8	48.9	46.3	6.7	7.5	No	No	No	No	
1816	13 HARRIETT STREET SINGLETON	Residential	53	50	41.1	37.6	48.4	45.7	7.3	8.1	No	No	No	No	
1817	16 HARRIETT STREET SINGLETON	Residential	54	50	42.0	38.6	49.2	46.6	7.2	8.0	No	No	No	No	
1818	18 HARRIETT STREET SINGLETON	Residential	52	49	40.2	36.8	48.3	45.6	8.1	8.8	No	No	No	No	
1819	41 BATHURST STREET SINGLETON	Residential	52	48	39.7	36.4	45.9	43.3	6.2	6.9	No	No	No	No	
1820	29 ARGYLE STREET SINGLETON	Residential	52	49	39.7	36.5	47.2	44.5	7.5	8.0	No	No	No	No	
1821	9 HARRIETT STREET SINGLETON	Residential	55	50	44.1	40.6	50.0	47.3	5.9	6.7	No	No	No	No	
1822	1 LESLEY STREET SINGLETON	Residential	55	50	44.1	40.6	49.7	47.1	5.6	6.5	No	No	No	No	
1823	7 HARRIETT STREET SINGLETON	Residential	55	50	43.5	40.1	50.5	47.9	7.0	7.8	No	No	No	No	
1824	8 FREDERICK STREET SINGLETON	Residential	54	50	42.4	38.9	49.3	46.7	6.9	7.8	No	No	No	No	
1825	25 ARGYLE STREET SINGLETON	Residential	53	50	41.0	37.6	48.5	45.8	7.5	8.2	No	No	No	No	
1826	27 ARGYLE STREET SINGLETON	Residential	52	49	40.1	36.8	47.7	45.0	7.6	8.2	No	No	No	No	
1827	5 HARRIETT STREET SINGLETON	Residential	54	50	42.2	38.8	49.1	46.5	6.9	7.7	No	No	No	No	
1828	10 FREDERICK STREET SINGLETON	Residential	55	50	43.0	39.6	49.1	46.4	6.1	6.8	No	No	No	No	
1829	12 HARRIETT STREET SINGLETON	Residential	55	50	42.7	39.2	49.2	46.6	6.5	7.4	No	No	No	No	
1830	32 ARGYLE STREET SINGLETON	Residential	53	50	41.3	38.1	47.4	44.7	6.1	6.6	No	No	No	No	
1831	23 ARGYLE STREET SINGLETON	Residential	52	49	40.4	37.0	48.6	45.9	8.2	8.9	No	No	No	No	
1832	15 FREDERICK STREET SINGLETON	Residential	54	50	42.0	38.5	48.3	45.7	6.3	7.2	No	No	No	No	
1834	3 HARRIETT STREET SINGLETON	Residential	54	50	42.4	39.0	48.8	46.2	6.4	7.2	No	No	No	No	
1835	10 HARRIETT STREET SINGLETON	Residential	55	50	43.7	40.2	49.6	47.0	5.9	6.8	No	No	No	No	
1836	30 ARGYLE STREET SINGLETON	Residential	53	50	40.9	37.7	47.8	45.0	6.9	7.3	No	No	No	No	
1837	1 HARRIETT STREET SINGLETON	Residential	52	49	40.0	36.5	47.2	44.6	7.2	8.1	No	No	No	No	
1838	28 ARGYLE STREET SINGLETON	Residential	52	49	40.3	37.0	47.7	45.0	7.4	8.0	No	No	No	No	
1839	21 ARGYLE STREET SINGLETON	Residential	52	49	39.9	36.5	48.2	45.5	8.3	9.0	No	No	No	No	
1841	12 FREDERICK STREET SINGLETON	Residential	55	50	44.1	40.6	49.8	47.2	5.7	6.6	No	No	No	No	
1842	8 HARRIETT STREET SINGLETON	Residential	55	50	44.0	40.6	50.3	47.7	6.3	7.1	No	No	No	No	
1843	19 ARGYLE STREET SINGLETON	Residential	52	48	39.8	36.4	47.9	45.2	8.1	8.8	No	No	No	No	
1844	24 ARGYLE STREET SINGLETON	Residential	53	50	40.8	37.5	48.4	45.7	7.6	8.2	No	No	No	No	
1845	26 ARGYLE STREET SINGLETON	Residential	53	50	40.8	37.5	48.1	45.4	7.3	7.9	No	No	No	No	
1846	17 ARGYLE STREET SINGLETON	Residential	53	49	40.7	37.4	48.1	45.4	7.4	8.0	No	No	No	No	
1847	15 ARGYLE STREET SINGLETON	Residential	55	50	43.5	40.0	49.3	46.7	5.8	6.7	No	No	No	No	
1848	14 FREDERICK STREET SINGLETON	Residential	55	50	44.2	40.7	49.8	47.2	5.6	6.5	No	No	No	No	
1849	6 HARRIETT STREET SINGLETON	Residential	55	50	44.2	40.8	50.4	47.8	6.2	7.0	No	No	No	No	
1850	4 HARRIETT STREET SINGLETON	Residential	55	50	43.5	40.0	49.5	46.9	6.0	6.9	No	No	No	No	

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - No Noise Barrier									Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change						
			Day	Night	Day	Night	Day	Night	Day	Night					
1851	22 ARGYLE STREET SINGLETON	Residential	54	50	42.4	38.9	48.3	45.7	5.9	6.8	No	No	No	No	
1853	13 ARGYLE STREET SINGLETON	Residential	53	49	40.7	37.3	47.7	45.1	7.0	7.8	No	No	No	No	
1854	20 ARGYLE STREET SINGLETON	Residential	53	50	41.4	38.1	48.5	45.9	7.1	7.8	No	No	No	No	
1856	9 ARGYLE STREET SINGLETON	Residential	55	50	44.9	41.5	50.7	48.1	5.8	6.6	No	No	No	No	
1857	11 ARGYLE STREET SINGLETON	Residential	55	50	43.0	39.6	49.4	46.8	6.4	7.2	No	No	No	No	
1858	18 ARGYLE STREET SINGLETON	Residential	53	50	41.3	37.9	48.5	45.9	7.2	8.0	No	No	No	No	
1859	16 ARGYLE STREET SINGLETON	Residential	55	50	43.6	40.1	48.9	46.3	5.3	6.2	No	No	No	No	
1861	7 ARGYLE STREET SINGLETON	Residential	55	50	45.5	42.0	51.1	48.5	5.6	6.5	No	No	No	No	
1862	25 GAS STREET SINGLETON	Residential	54	50	42.4	39.2	48.5	45.9	6.1	6.7	No	No	No	No	
1864	14 ARGYLE STREET SINGLETON	Residential	54	50	41.8	38.4	48.6	46.0	6.8	7.6	No	No	No	No	
1865	5 ARGYLE STREET SINGLETON	Residential	55	50	46.3	42.8	51.5	48.9	5.2	6.1	No	No	No	No	
1866	16 ARGYLE STREET SINGLETON	Residential	55	50	43.3	39.9	48.8	46.1	5.5	6.2	No	No	No	No	
1867	12 ARGYLE STREET SINGLETON	Residential	54	50	42.0	38.6	48.7	46.0	6.7	7.4	No	No	No	No	
1869	3 ARGYLE STREET SINGLETON	Residential	55	50	48.1	44.6	51.7	49.1	3.6	4.5	No	No	No	No	
1870	19 GAS STREET SINGLETON	Residential	54	50	41.5	38.2	48.3	45.7	6.8	7.5	No	No	No	No	
1871	21 GAS STREET SINGLETON	Residential	59	55	46.8	43.5	47.0	44.4	0.2	0.9	No	No	No	No	
1873	10 ARGYLE STREET SINGLETON	Residential	54	50	41.6	38.2	48.7	46.0	7.1	7.8	No	No	No	No	
1874	8 ARGYLE STREET SINGLETON	Residential	55	50	42.6	39.2	48.9	46.2	6.3	7.0	No	No	No	No	
1875	17 FREDERICK STREET SINGLETON	Residential	55	50	44.4	41.0	49.1	46.5	4.7	5.5	No	No	No	No	
1876	17 GAS STREET SINGLETON	Residential	52	49	39.9	36.5	47.5	44.8	7.6	8.3	No	No	No	No	
1881	6 ARGYLE STREET SINGLETON	Residential	55	50	43.1	39.6	49.0	46.4	5.9	6.8	No	No	No	No	
1882	4 ARGYLE STREET SINGLETON	Residential	55	50	44.6	41.2	50.0	47.4	5.4	6.2	No	No	No	No	
1884	15 GAS STREET SINGLETON	Residential	53	50	41.3	38.0	48.2	45.6	6.9	7.6	No	No	No	No	
1885	22-26 JOHN STREET SINGLETON	Residential	60	55	60.8	57.3	59.9	57.6	-0.9	0.3	No	No	No	No	
1886	2 ARGYLE STREET SINGLETON	Residential	55	50	46.2	42.7	50.2	47.6	4.0	4.9	No	No	No	No	
1887	12A GAS STREET SINGLETON	Residential	58	55	46.3	42.8	48.6	46.1	2.3	3.3	No	No	No	No	
1888	13 GAS STREET SINGLETON	Residential	53	50	41.1	37.7	48.2	45.6	7.1	7.9	No	No	No	No	
1889	28 JOHN STREET SINGLETON	Residential	60	55	59.7	56.2	59.0	56.7	-0.7	0.5	No	No	No	No	
1890	7 MARY STREET SINGLETON	Residential	60	55	62.2	58.7	60.7	58.5	-1.5	-0.2	No	No	No	No	
1891	11 GAS STREET SINGLETON	Residential	55	50	44.9	41.4	48.8	46.2	3.9	4.8	No	No	No	No	
1892	9 MARY STREET SINGLETON	Residential	60	55	56.6	53.2	57.4	55.0	0.8	1.8	No	No	No	No	
1895	10 GAS STREET SINGLETON	Residential	54	50	41.6	38.3	48.0	45.3	6.4	7.0	No	No	No	No	
1896	11 MARY STREET SINGLETON	Residential	55	50	53.1	49.7	55.7	53.3	2.6	3.6	Yes	No	No	Yes	
1897	8 GAS STREET SINGLETON	Residential	54	50	41.9	38.5	47.9	45.2	6.0	6.7	No	No	No	No	
1898	9 GAS STREET SINGLETON	Residential	60	55	48.6	45.1	49.1	46.6	0.5	1.5	No	No	No	No	
1899	30 JOHN STREET SINGLETON	Residential	60	55	66.2	62.7	64.9	62.7	-1.3	0.0	No	No	No	No	
1900	13 MARY STREET SINGLETON	Residential	55	50	51.8	48.3	55.6	53.0	3.8	4.7	Yes	No	Yes	Yes	
1901	7 GAS STREET SINGLETON	Residential	55	50	46.3	42.8	49.1	46.5	2.8	3.7	No	No	No	No	
1902	6 GAS STREET SINGLETON	Residential	55	50	46.2	42.7	49.8	47.2	3.6	4.5	No	No	No	No	
1906	9 RYAN AVENUE SINGLETON	Residential	60	55	61.8	58.4	60.5	58.3	-1.3	-0.1	No	No	No	No	
1910	11 RYAN AVENUE SINGLETON	Residential	60	55	55.6	52.2	55.5	53.2	-0.1	1.0	No	No	No	No	
1913	53 JOHN STREET SINGLETON	Residential	60	55	50.5	47.1	50.3	47.9	-0.2	0.8	No	No	No	No	
1914	2 RYAN AVENUE SINGLETON	Residential	60	55	60.2	56.7	59.0	56.8	-1.2	0.1	No	No	No	No	
1917	4 RYAN AVENUE SINGLETON	Residential	60	55	54.3	50.8	55.2	52.8	0.9	2.0	No	No	No	No	
1918	6 RYAN AVENUE SINGLETON	Residential	55	50	51.6	48.1	53.9	51.4	2.3	3.3	Yes	No	No	Yes	
1919	59 JOHN STREET SINGLETON	Residential	60	55	52.8	49.4	52.3	50.0	-0.5	0.6	No	No	No	No	
1920	59 JOHN STREET SINGLETON	Residential	60	55	67.4	63.9	66.0	63.8	-1.4	-0.1	No	No	No	No	
1931	48 SIMPSON TERRACE DARLINGTON	Residential	55	50	40.9	38.0	59.3	57.6	18.4	19.6	Yes	Yes	Yes	Yes	
1932	2 NOBLE CLOSE DARLINGTON	Residential	55	50	41.2	38.1	59.6	57.9	18.4	19.8	Yes	Yes	Yes	Yes	
1933	3 NOBLE CLOSE DARLINGTON	Residential	55	50	44.4	41.1	62.7	61.0	18.3	19.9	Yes	Yes	Yes	Yes	
1934	46 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.4	38.5	54.2	52.5	12.8	14.0	Yes	No	Yes	Yes	
1935	4 NOBLE CLOSE DARLINGTON	Residential	55	50	46.8	43.1	61.0	59.3	14.2	16.2	Yes	Yes	Yes	Yes	
1936	6 NOBLE CLOSE DARLINGTON	Residential	55	50	43.1	39.8	54.6	52.8	11.5	13.0	Yes	No	Yes	Yes	
1937	5 NOBLE CLOSE DARLINGTON	Residential	55	50	46.6	42.8	58.8	57.0	12.2	14.2	Yes	Yes	Yes	Yes	
1938	44 SIMPSON TERRACE DARLINGTON	Residential	55	50	40.1	37.3	52.0	50.3	11.9	13.0	No	No	Yes	Yes	
1940	3 SEVER CLOSE DARLINGTON	Residential	55	50	42.3	39.1	54.4	52.8	12.1	13.7	Yes	No	Yes	Yes	
1941	2 SEVER CLOSE DARLINGTON	Residential	55	50	45.9	42.3	53.4	51.5	7.5	9.2	Yes	No	Yes	Yes	
1941	2 SEVER CLOSE DARLINGTON*	Residential	55	50	38.6	35.6	52.1	50.4	13.5	14.8					
1942	4 SEVER CLOSE DARLINGTON	Residential	55	50	46.4	42.6	58.7	57.1	12.3	14.5	Yes	Yes	Yes	Yes	
1943	40 SIMPSON TERRACE DARLINGTON	Residential	55	50	39.7	36.9	52.2	50.5	12.5	13.6	Yes	No	Yes	Yes	
1944	5 SEVER CLOSE DARLINGTON	Residential	55	50	46.3	42.6	57.9	56.2	11.6	13.6	Yes	Yes	Yes	Yes	
1945	7 SEVER CLOSE DARLINGTON	Residential	55	50	45.7	42.1	53.9	52.1	8.2	10.0	Yes	No	Yes	Yes	
1945	7 SEVER CLOSE DARLINGTON*	Residential	55	50	39.7	36.7	51.5	49.7	11.8	13.0					
1946	8 SEVER CLOSE DARLINGTON	Residential	55	50	46.3	42.6	53.7	51.9	7.4	9.3	Yes	No	Yes	Yes	
1946	8 SEVER CLOSE DARLINGTON*	Residential	55	50	38.6	35.4	50.6	48.9	12.0	13.5					
1947	6 SEVER CLOSE DARLINGTON	Residential	55	50	46.0	42.2	54.8	53.0	8.8	10.8	Yes	No	Yes	Yes	
1947	6 SEVER CLOSE DARLINGTON*	Residential	55	50	38.4	35.3	50.9	49.1	12.5	13.8					
1948	38 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.6	38.5	50.0	48.3	8.4	9.8	No	No	No	No	
1949	36 SIMPSON TERRACE DARLINGTON	Residential	55	50	46.7	43.8	51.2	49.4	4.5	5.6	No	No	No	No	
1950	3 BUTTON CLOSE DARLINGTON	Residential	55	50	42.2	39.0	49.9	48.1	7.7	9.1	No	No	Yes	Yes	
1950	3 BUTTON CLOSE DARLINGTON*	Residential	55	50	35.7	32.6	48.6	46.9	12.9	14.3					
1951	2 BUTTON CLOSE DARLINGTON	Residential	55	50	40.1	37.1	53.7	52.0	13.6	14.9	Yes	No	Yes	Yes	
1952	4 BUTTON CLOSE DARLINGTON	Residential	55	50	37.7	34.5	50.6	48.8	12.9	14.3	No	No	Yes	Yes	
1953	5 BUTTON CLOSE DARLINGTON	Residential	55	50	42.3	39.0	51.8	50.0	9.5	11.0	No	No	Yes	Yes	
1953	5 BUTTON CLOSE DARLINGTON*	Residential	55	50	38.5	35.5	50.1	48.4	11.6	12.9					
1954	34 SIMPSON TERRACE DARLINGTON	Residential	55	50	40.8	37.8	48.5	46.7	7.7	8.9	No	No	No	No	
1955	9 BUTTON CLOSE DARLINGTON	Residential	55	50	40.5	37.5	51.9	50.2	11.4	12.7	No	No	Yes	Yes	
1956	29 SIMPSON TERRACE DARLINGTON	Residential	55	50	38.5	35.5	49.6	47.9	11.1	12.4	No	No	Yes	Yes	
1957	6 BUTTON CLOSE DARLINGTON	Residential	55	50	46.0	42.4	55.7	53.9	9.7	11.5	Yes	No	Yes	Yes	
1957	6 BUTTON CLOSE DARLINGTON*	Residential	55	50	40.4	37.3	55.2	53.5	14.8	16.2					
1958	8 BUTTON CLOSE DARLINGTON	Residential	55	50	40.2	37.1	51.8	50.1	11.6	13.0	No	No	Yes	Yes	
1959	7 BUTTON CLOSE DARLINGTON	Residential	55	50	46.0	42.4	54.6	52.9	8.6	10.5	Yes	No	Yes	Yes	
1959	7 BUTTON CLOSE DARLINGTON*	Residential	55	50	36.1	33.0	48.3	46.5	12.2	13.5					
1960	32 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.2	38.0	49.0	47.3	7.8	9.3	No	No	No	No	
1961	11 GRAINGER CRESCENT DARLINGTON	Residential	55	50	43.7	40.5	51.6	49.8	7.9	9.3	No	No	No	No	
1963	27 SIMPSON TERRACE DARLINGTON	Residential	55	50	42.0	38.8	48.7	46.9	6.7	8.1	No	No	No	No	
1964	30 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.7	38.6	48.8	47.0	7.1	8.4	No	No	No	No	
1965	9 GRAINGER CRESCENT DARLINGTON	Residential	55	50	48.9	46.0	50.6	48.8	1.7	2.8	No	No	No	No	
1966	7 ELLIOT CLOSE DARLINGTON	Residential	55	50	41.6	38.4	51.0	49.2	9.4	10.8	No	No	No	No	
1968	8 ELLIOT CLOSE DARLINGTON	Residential	55	50	39.3	36.1	54.1	52.4	14.8	16.3	Yes	No	Yes	Yes	
1969	25 SIMPSON TERRACE DARLINGTON	Residential	55	50	44.4	41.1	49.6	47.8	5.2	6.7	No	No	No	No	
1970	6 ELLIOT CLOSE DARLINGTON	Residential	55	50	43.4	40.3	50.8	49.0	7.4	8.7	No	No	No	No	
1971	28 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.8	38.7	48.5	46.7	6.7	8.0	No	No	No	No	

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - No Noise Barrier										Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change							
			Day	Night	Day	Night	Day	Night	Day	Night						
1972	5 ELLIOT CLOSE DARLINGTON	Residential	55	50	42.3	39.1	51.1	49.3	8.8	10.2	No	No	No	No		
1973	26 SIMPSON TERRACE DARLINGTON	Residential	55	50	42.4	39.2	48.5	46.7	6.1	7.5	No	No	No	No		
1974	9 ELLIOT CLOSE DARLINGTON	Residential	55	50	46.1	42.6	56.3	54.6	10.2	12.0	Yes	Yes	Yes	Yes		
1975	36 GRAINGER CRESCENT DARLINGTON	Residential	55	50	42.3	39.3	49.4	47.6	7.1	8.3	No	No	No	No		
1976	24 SIMPSON TERRACE DARLINGTON	Residential	55	50	42.0	38.9	48.7	46.9	6.7	8.0	No	No	No	No		
1977	23 SIMPSON TERRACE DARLINGTON	Residential	55	50	44.0	40.8	50.1	48.3	6.1	7.5	No	No	No	No		
1978	10 ELLIOT CLOSE DARLINGTON	Residential	55	50	46.4	42.9	56.2	54.4	9.8	11.5	Yes	No	No	Yes		
1979	4 ELLIOT CLOSE DARLINGTON	Residential	55	50	41.4	38.3	51.6	49.8	10.2	11.5	No	No	No	No		
1980	34 GRAINGER CRESCENT DARLINGTON	Residential	55	50	49.2	46.3	49.2	47.3	0.0	1.0	No	No	No	No		
1981	32 GRAINGER CRESCENT DARLINGTON	Residential	55	50	50.4	47.5	50.2	48.3	-0.2	0.8	No	No	No	No		
1982	11 ELLIOT CLOSE DARLINGTON	Residential	55	50	47.2	43.7	56.4	54.7	9.2	11.0	Yes	Yes	No	Yes		
1983	3 ELLIOT CLOSE DARLINGTON	Residential	55	50	43.9	40.5	51.2	49.4	7.3	8.9	No	No	No	No		
1984	22 SIMPSON TERRACE DARLINGTON	Residential	55	50	42.3	39.2	49.1	47.3	6.8	8.1	No	No	No	No		
1985	30 GRAINGER CRESCENT DARLINGTON	Residential	55	50	50.9	48.0	50.1	48.1	-0.8	0.1	No	No	No	No		
1986	30 GRAINGER CRESCENT DARLINGTON	Residential	55	50	48.1	45.2	49.0	47.1	0.9	1.9	No	No	No	No		
1987	21 SIMPSON TERRACE DARLINGTON	Residential	55	50	43.2	40.1	50.7	48.9	7.5	8.8	No	No	No	No		
1988	12 ELLIOT CLOSE DARLINGTON	Residential	55	50	47.9	44.4	56.3	54.5	8.4	10.1	Yes	Yes	Yes	Yes		
1988	12 ELLIOT CLOSE DARLINGTON*	Residential	55	50	40.3	37.3	55.2	53.6	14.9	16.3						
1989	2 ELLIOT CLOSE DARLINGTON	Residential	55	50	45.0	41.8	51.3	49.4	6.3	7.6	No	No	No	No		
1990	20 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.0	37.9	48.8	47.0	7.8	9.1	No	No	No	No		
1991	28 GRAINGER CRESCENT DARLINGTON	Residential	55	50	51.2	48.3	50.6	48.6	-0.6	0.3	No	No	No	No		
1992	4 HALLETT PLACE DARLINGTON	Residential	55	50	42.0	38.9	49.3	47.4	7.3	8.5	No	No	No	No		
1993	18 SIMPSON TERRACE DARLINGTON	Residential	55	50	42.3	39.3	48.8	47.0	6.5	7.7	No	No	No	No		
1994	3 HALLETT PLACE DARLINGTON	Residential	55	50	46.4	43.2	48.7	46.7	2.3	3.5	No	No	No	No		
1995	13 ELLIOT CLOSE DARLINGTON	Residential	55	50	48.3	44.7	56.1	54.3	7.8	9.6	Yes	No	Yes	Yes		
1995	13 ELLIOT CLOSE DARLINGTON*	Residential	55	50	39.4	36.4	51.7	50.0	12.3	13.6						
1996	16 SIMPSON TERRACE DARLINGTON	Residential	55	50	44.9	41.7	50.9	49.1	6.0	7.4	No	No	No	No		
1997	5 HALLETT PLACE DARLINGTON	Residential	55	50	44.9	41.7	49.9	48.1	5.0	6.4	No	No	No	No		
1998	19 SIMPSON TERRACE DARLINGTON	Residential	55	50	44.2	41.1	50.4	48.6	6.2	7.5	No	No	No	No		
1999	16 SIMPSON TERRACE DARLINGTON	Residential	55	50	49.7	46.4	54.1	52.1	4.4	5.7	Yes	No	No	Yes		
2000	2 HALLETT PLACE DARLINGTON	Residential	55	50	47.2	43.8	49.1	47.2	1.9	3.4	No	No	No	No		
2001	17 SIMPSON TERRACE DARLINGTON	Residential	55	50	43.5	40.5	50.3	48.5	6.8	8.0	No	No	No	No		
2002	26 GRAINGER CRESCENT DARLINGTON	Residential	55	50	50.5	47.6	49.7	47.8	-0.8	0.2	No	No	No	No		
2003	14 ELLIOT CLOSE DARLINGTON	Residential	55	50	50.7	47.2	58.3	56.5	7.6	9.3	Yes	Yes	Yes	Yes		
2003	14 ELLIOT CLOSE DARLINGTON*	Residential	55	50	37.9	34.9	49.7	48.0	11.8	13.1						
2004	15 SIMPSON TERRACE DARLINGTON	Residential	55	50	43.0	39.9	49.9	48.0	6.9	8.1	No	No	No	No		
2005	7 GRAINGER CRESCENT DARLINGTON	Residential	55	50	54.9	52.0	52.1	49.9	-2.8	-2.1	No	No	No	No		
2006	6 HALLETT PLACE DARLINGTON	Residential	55	50	44.0	40.9	50.0	48.2	6.0	7.3	No	No	No	No		
2007	15 ELLIOT CLOSE DARLINGTON	Residential	55	50	49.5	45.9	56.1	54.3	6.6	8.4	Yes	No	Yes	Yes		
2007	15 ELLIOT CLOSE DARLINGTON*	Residential	55	50	41.1	38.0	54.2	52.5	13.1	14.5						
2008	7 HALLETT PLACE DARLINGTON	Residential	55	50	47.3	44.0	49.0	47.1	1.7	3.1	No	No	No	No		
2009	24 GRAINGER CRESCENT DARLINGTON	Residential	55	50	49.1	46.1	49.2	47.3	0.1	1.2	No	No	No	No		
2010	17 HALLETT PLACE DARLINGTON	Residential	55	50	46.7	43.6	48.8	46.8	2.1	3.2	No	No	No	No		
2011	13 SIMPSON TERRACE DARLINGTON	Residential	55	50	44.5	41.5	50.1	48.3	5.6	6.8	No	No	No	No		
2012	7 MILLARD CLOSE DARLINGTON	Residential	55	50	45.5	42.3	50.4	48.6	4.9	6.3	No	No	No	No		
2013	14 SIMPSON TERRACE DARLINGTON	Residential	55	50	49.2	45.7	55.5	53.6	6.3	7.9	Yes	No	No	Yes		
2014	5 GRAINGER CRESCENT DARLINGTON	Residential	55	50	61.1	58.2	57.6	55.3	-3.5	-2.9	No	No	No	No		
2015	11 SIMPSON TERRACE DARLINGTON	Residential	55	50	44.6	41.5	50.7	48.8	6.1	7.3	No	No	No	No		
2016	22 GRAINGER CRESCENT DARLINGTON	Residential	55	50	54.1	51.2	51.1	48.9	-3.0	-2.3	No	No	No	No		
2017	8 HALLETT PLACE DARLINGTON	Residential	55	50	48.5	45.2	49.8	47.8	1.3	2.6	No	No	No	No		
2018	16 HALLETT PLACE DARLINGTON	Residential	55	50	47.4	44.1	49.4	47.5	2.0	3.4	No	No	No	No		
2019	6 MILLARD CLOSE DARLINGTON	Residential	55	50	46.8	43.7	49.6	47.6	2.8	3.9	No	No	No	No		
2020	8 MILLARD CLOSE DARLINGTON	Residential	55	50	44.8	41.7	50.1	48.2	5.3	6.5	No	No	No	No		
2021	12 SIMPSON TERRACE DARLINGTON	Residential	55	50	45.8	42.7	54.3	52.5	8.5	9.8	Yes	No	No	Yes		
2022	9 HALLETT PLACE DARLINGTON	Residential	55	50	48.9	45.5	50.3	48.3	1.4	2.8	No	No	No	No		
2023	9 SIMPSON TERRACE DARLINGTON	Residential	55	50	45.7	42.4	51.4	49.5	5.7	7.1	No	No	No	No		
2024	15 HALLETT PLACE DARLINGTON	Residential	55	50	48.2	45.0	50.0	48.1	1.8	3.1	No	No	No	No		
2025	20 GRAINGER CRESCENT DARLINGTON	Residential	55	50	56.8	53.9	53.2	51.0	-3.6	-2.9	No	No	No	No		
2026	9 MILLARD CLOSE DARLINGTON	Residential	55	50	48.8	45.2	51.2	49.2	2.4	4.0	No	No	No	No		
2028	5 MILLARD CLOSE DARLINGTON	Residential	55	50	47.7	44.4	50.7	48.7	3.0	4.3	No	No	No	No		
2029	10 SIMPSON TERRACE DARLINGTON	Residential	55	50	48.2	44.8	54.9	53.1	6.7	8.3	Yes	No	No	Yes		
2030	10 MILLARD CLOSE DARLINGTON	Residential	55	50	48.2	44.7	51.1	49.1	2.9	4.4	No	No	No	No		
2031	10 HALLETT PLACE DARLINGTON	Residential	55	50	49.1	45.8	50.7	48.7	1.6	2.9	No	No	No	No		
2032	7 SIMPSON TERRACE DARLINGTON	Residential	55	50	48.6	45.2	51.8	49.9	3.2	4.7	No	No	No	No		
2033	8 SIMPSON TERRACE DARLINGTON	Residential	55	50	49.7	46.0	55.1	53.2	5.4	7.2	Yes	No	No	Yes		
2034	18 GRAINGER CRESCENT DARLINGTON	Residential	55	50	58.1	55.2	54.6	52.3	-3.5	-2.9	No	No	No	No		
2035	14 HALLETT PLACE DARLINGTON	Residential	55	50	49.4	46.2	50.8	48.7	1.4	2.5	No	No	No	No		
2036	4 MILLARD CLOSE DARLINGTON	Residential	55	50	49.1	45.9	50.7	48.7	1.6	2.8	No	No	No	No		
2037	5 SIMPSON TERRACE DARLINGTON	Residential	55	50	50.4	47.0	51.7	49.8	1.3	2.8	No	No	No	No		
2038	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	50.0	46.8	56.2	54.2	6.2	7.4	Yes	No	No	Yes		
2039	11 MILLARD CLOSE DARLINGTON	Residential	55	50	48.8	45.6	50.8	48.9	2.0	3.3	No	No	No	No		
2040	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.5	49.1	57.8	55.9	5.3	6.8	Yes	Yes	No	Yes		
2041	13 HALLETT PLACE DARLINGTON	Residential	55	50	51.8	48.7	50.8	48.7	-1.0	0.0	No	No	No	No		
2042	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.7	49.2	57.8	55.9	5.1	6.7	Yes	Yes	No	Yes		
2043	3 MILLARD CLOSE DARLINGTON	Residential	55	50	53.4	50.1	52.1	50.0	-1.3	-0.1	No	No	No	No		
2044	11 HALLETT PLACE DARLINGTON	Residential	55	50	51.3	48.2	51.1	49.0	-0.2	0.8	No	No	No	No		
2045	16 GRAINGER CRESCENT DARLINGTON	Residential	55	50	58.7	55.8	55.2	52.9	-3.5	-2.9	No	No	No	No		
2046	12 MILLARD CLOSE DARLINGTON	Residential	55	50	49.8	46.4	50.5	48.5	0.7	2.1	No	No	No	No		
2047	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.7	49.3	57.8	55.9	5.1	6.6	Yes	Yes	No	Yes		
2048	12 HALLETT PLACE DARLINGTON	Residential	55	50	51.9	48.8	50.9	48.8	-1.0	0.0	No	No	No	No		
2049	2 MILLARD CLOSE DARLINGTON	Residential	55	50	54.1	50.9	53.1	50.9	-1.0	0.0	Yes	No	No	No		
2050	5 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.0	48.6	52.2	50.2	0.2	1.6	No	No	No	No		
2051	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.8	49.4	57.7	55.8	4.9	6.4	Yes	Yes	No	Yes		
2051	6 SIMPSON TERRACE DARLINGTON*	Residential	55	50	39.4	36.4	50.5	48.7	11.1	12.3						
2052	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	50.2	47.0	55.4	53.4	5.2	6.4	Yes	No	No	Yes		
2053	13 MILLARD CLOSE DARLINGTON	Residential	55	50	51.7	48.6	51.4	49.2	-0.3	0.6	No	No	No	No		
2054	6 SOLMAN LANE DARLINGTON	Residential	55	50	49.1	45.9	53.4	51.4	4.3	5.5	Yes	No	No	Yes		
2055	14 GRAINGER CRESCENT DARLINGTON	Residential	55	50	60.0	57.1	56.6	54.3	-3.4	-2.8	No	No	No	No		
2056	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	53.1	49.7	57.8	55.8	4.7	6.1	Yes	Yes	No	Yes		
2058	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	53.0	49.6	57.7	55.7	4.7	6.1	Yes	Yes	No	Yes		
2059	14 MILLARD CLOSE DARLINGTON	Residential	55	50	52.1	48.8	51.8	49.8	-0.3	1.0	No	No	No	No		
2060	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	52.9	49.6	53.1	51.0	0.2	1.4	Yes	No	No	No		
2061	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	53.2	49.7	57.6	55.7	4.4	6.0	Yes	Yes	No	Yes		

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - No Noise Barrier									Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation			
			Criteria			Do Minimum			Design							Change		
			Day	Night	Day	Night	Day	Night	Day	Night	Day					Night	Day	Night
2062	8 GRAINGER CRESCENT DARLINGTON	Residential	55	50	57.7	54.7	54.7	55.5	53.3	-2.2	-1.4	No	No	No	No			
2063	1 MILLARD CLOSE DARLINGTON	Residential	55	50	57.2	54.2	55.4	53.3	-1.8	-0.8	Yes	No	No	No				
2064	4 SOLMAN LANE DARLINGTON	Residential	55	50	49.8	46.7	53.6	51.6	3.8	4.9	Yes	No	No	Yes				
2065	12 GRAINGER CRESCENT DARLINGTON	Residential	55	50	60.7	57.8	57.7	55.4	-3.0	-2.4	No	No	No	No				
2066	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	50.3	47.2	55.4	53.3	5.1	6.1	Yes	No	No	Yes				
2067	10 GRAINGER CRESCENT DARLINGTON	Residential	55	50	59.4	56.4	56.8	54.6	-2.6	-1.8	No	No	No	No				
2068	15 MILLARD CLOSE DARLINGTON	Residential	55	50	56.7	53.6	55.0	52.8	-1.7	-0.8	Yes	No	No	No				
2069	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	56.7	53.6	54.7	52.5	-2.0	-1.1	No	No	No	No				
2070	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	56.9	53.8	55.1	52.9	-1.8	-0.9	Yes	No	No	No				
2071	106A LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	62.2	59.3	58.9	56.7	-3.3	-2.6	No	No	No	No				
2072	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	53.7	50.4	57.6	55.6	3.9	5.2	Yes	Yes	No	Yes				
2073	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	57.4	54.3	55.9	53.7	-1.5	-0.6	Yes	No	No	No				
2074	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	57.3	54.2	55.6	53.4	-1.7	-0.8	Yes	No	No	No				
2075	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	57.2	54.1	55.5	53.3	-1.7	-0.8	Yes	No	No	No				
2076	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	57.2	54.1	55.6	53.4	-1.6	-0.7	Yes	No	No	No				
2077	4 ALLEN COURT DARLINGTON	Residential	55	50	52.1	48.8	54.3	52.2	2.2	3.4	Yes	No	No	Yes				
2078	3 ALLEN COURT DARLINGTON	Residential	55	50	54.2	50.9	54.3	52.2	0.1	1.3	Yes	No	No	No				
2081	5 ALLEN COURT DARLINGTON	Residential	55	50	50.1	47.0	54.1	52.0	4.0	5.0	Yes	No	No	Yes				
2082	106A LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	60.4	57.4	57.5	55.3	-2.9	-2.1	No	No	No	No				
2083	6 ALLEN COURT DARLINGTON	Residential	55	50	55.0	51.8	56.4	54.2	1.4	2.4	Yes	No	No	Yes				
2084	10 ALLEN COURT DARLINGTON	Residential	55	50	57.6	54.5	56.4	54.2	-1.2	-0.3	Yes	No	No	No				
2085	11 ALLEN COURT DARLINGTON	Residential	55	50	58.7	55.7	56.7	54.5	-2.0	-1.2	No	No	No	No				
2086	7 ALLEN COURT DARLINGTON	Residential	55	50	56.0	52.8	56.6	54.4	0.6	1.6	Yes	No	No	No				
2087	2 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	67.8	65.0	64.1	61.9	-3.7	-3.1	No	No	No	No				
2088	9B ALLEN COURT DARLINGTON	Residential	55	50	63.7	60.6	60.7	58.5	-3.0	-2.1	No	No	No	No				
2089	4 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	67.1	64.2	63.5	61.2	-3.6	-3.0	No	No	No	No				
2090	1 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	61.2	58.3	57.6	55.3	-3.6	-3.0	No	No	No	No				
2091	9 ALLEN COURT DARLINGTON	Residential	55	50	59.9	56.9	58.7	56.5	-1.2	-0.4	Yes	Yes	No	Yes				
2092	8 ALLEN COURT DARLINGTON	Residential	55	50	60.0	57.0	59.1	57.0	-0.9	0.0	Yes	Yes	No	Yes				
2093	6 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	63.9	61.0	60.6	58.3	-3.3	-2.7	No	No	No	No				
2094	3 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	58.7	55.8	55.3	53.1	-3.4	-2.7	No	No	No	No				
2095	110 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	53.3	50.3	52.2	50.0	-1.1	-0.3	No	No	No	No				
2096	108 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	53.2	50.2	51.8	49.7	-1.4	-0.5	No	No	No	No				
2097	5 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	55.8	52.8	53.3	51.1	-2.5	-1.7	No	No	No	No				
2098	8 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.0	59.1	58.9	56.6	-3.1	-2.5	No	No	No	No				
2100	112 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	53.8	50.8	52.6	50.5	-1.2	-0.3	Yes	No	No	No				
2101	114 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	53.8	50.8	52.6	50.4	-1.2	-0.4	No	No	No	No				
2102	12 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.7	59.8	59.4	57.2	-3.3	-2.6	No	No	No	No				
2103	10 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.9	60.0	59.7	57.4	-3.2	-2.6	No	No	No	No				
2104	14 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	63.1	60.2	59.9	57.7	-3.2	-2.5	No	No	No	No				
2105	7-9 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	53.5	50.5	52.0	49.8	-1.5	-0.7	No	No	No	No				
2106	116 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	53.8	50.8	52.6	50.4	-1.2	-0.4	No	No	No	No				
2107	18 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.7	59.8	59.7	57.4	-3.0	-2.4	No	No	No	No				
2108	16 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.4	59.5	59.2	57.0	-3.2	-2.5	No	No	No	No				
2109	20 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.4	59.5	59.4	57.2	-3.0	-2.3	No	No	No	No				
2110	118 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	53.5	50.5	52.3	50.1	-1.2	-0.4	No	No	No	No				
2111	22 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.4	59.5	59.5	57.2	-2.9	-2.3	No	No	No	No				
2112	120 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	53.2	50.2	52.2	50.0	-1.0	-0.2	No	No	No	No				
2113	26 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.1	59.2	59.4	57.1	-2.7	-2.1	No	No	No	No				
2114	24 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	61.9	59.0	59.0	56.8	-2.9	-2.2	No	No	No	No				
2115	13 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.7	49.7	52.0	49.8	-0.7	0.1	No	No	No	No				
2116	11 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	53.4	50.4	52.2	49.9	-1.2	-0.5	No	No	No	No				
2118	71 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	50.1	47.1	50.3	48.2	0.2	1.1	No	No	No	No				
2119	69 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	50.3	47.3	50.3	48.1	0.0	0.8	No	No	No	No				
2120	15 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.1	49.1	51.7	49.4	-0.4	0.3	No	No	No	No				
2121	30 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	57.3	54.3	57.0	54.8	-0.3	0.5	Yes	Yes	No	Yes				
2122	28 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	60.7	57.9	58.2	55.9	-2.5	-2.0	No	No	No	No				
2124	17 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.1	49.1	52.1	49.9	0.0	0.8	No	No	No	No				
2128	73 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	49.8	46.8	50.1	47.9	0.3	1.1	No	No	No	No				
2129	19 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.5	49.6	52.5	50.3	0.0	0.7	No	No	No	No				
2130*	4862 NEW ENGLAND HIGHWAY MCDUGALLS HILL	Residential	55	50	65.0	62.1	64.0	61.9	-1.0	-0.2	Yes	Yes	No	Yes				
2131	34 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	57.3	54.4	55.9	53.7	-1.4	-0.7	Yes	No	No	No				
2132	21 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.6	49.6	52.9	50.7	0.3	1.1	Yes	No	No	No				
2133	75 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	49.3	46.2	50.2	48.0	0.9	1.8	No	No	No	No				
2135	36 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	58.6	55.7	57.5	55.3	-1.1	-0.4	Yes	Yes	No	Yes				
2136	40 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	59.9	57.0	59.0	56.8	-0.9	-0.2	Yes	Yes	No	Yes				
2137	38 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	58.9	56.0	57.5	55.3	-1.4	-0.7	Yes	Yes	No	Yes				
2138	23 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.9	49.9	53.4	51.2	0.5	1.3	Yes	No	No	No				
2141	44 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	59.1	56.2	58.8	56.6	-0.3	0.4	Yes	Yes	No	Yes				
2142	25 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	53.2	50.2	54.0	51.8	0.8	1.6	Yes	No	No	No				
2143	42 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	57.6	54.8	57.7	55.6	0.1	0.8	Yes	Yes	No	Yes				
2144	77 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.8	45.8	49.9	47.7	1.1	1.9	No	No	No	No				
2145	46 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	58.7	55.9	59.0	56.8	0.3	0.9	Yes	Yes	No	Yes				
2146	27 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	53.7	50.6	54.8	52.6	1.1	2.0	Yes	No	No	No				
2147	79 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.5	50.4	48.2	1.7	2.7	No	No	No	No				
2148	2 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.2	45.9	50.8	48.7	1.6	2.8	No	No	No	No				
2149	29 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	54.1	50.9	55.9	53.7	1.8	2.8	Yes	No	No	Yes				
2150	2 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	56.0	53.1	57.3	55.1	1.3	2.0	Yes	Yes	No	Yes				
2151	2 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	49.9	46.9	50.1	47.9	0.2	1.0	No	No	No	No				
2152	4 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	52.7	49.4	57.5	55.4	4.8	6.0	Yes	Yes	No	Yes				
2153	81 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.4	45.3	49.4	47.3	1.0	2.0	No	No	No	No				
2154	4 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.3	46.0	51.0	48.8	1.7	2.8	No	No	No	No				
2155	31 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	51.1	48.1	53.6	51.4	2.5	3.3	Yes	No	No	Yes				
2156	33 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	51.0	48.0	54.3	52.1	3.3	4.1	Yes	No	No	Yes				
2157	5 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.0	46.0	49.6	47.4	0.6	1.4	No	No	No	No				
2158	37 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	51.2	47.9	57.1	54.9	5.9	7.0	Yes	Yes	No	Yes				
2159	35 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.0	49.1	55.1	52.9	3.1	3.8	Yes	No	No	Yes				
2160	29 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.9	49.7	55.6	53.4	2.7	3.7	Yes	No	No	Yes				
2161	1 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	52.1	48.9	53.8	51.6	1.7	2.7	Yes	No	No	Yes				
2162	6 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	51.2	47.6	56.9	54.7	5.7	7.1	Yes	Yes	No	Yes				
2163	1 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	49.6	46.6	49.5	47.3	-0.1	0.7	No	No	No	No				
2164	4 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.5	49.7	47.6	1.0	2.1	No	No	No	No				
2165	37 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	51.0	47.6	57.0	54.8	6.0	7.2	Yes	Yes	No	Yes				

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - No Noise Barrier									Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation	
			Criteria		Do Minimum			Design			Change					
			Day	Night	Day	Night	Day	Night	Day	Night	Day					Night
2166	6 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.9	45.6	48.3	50.4	48.3	1.5	2.7	No	No	No	No	
2167	8 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.3	47.1	56.1	53.9	5.8	6.8	Yes	No	No	Yes		
2168	2 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.9	48.5	55.4	53.2	3.5	4.7	Yes	No	No	Yes		
2169	3 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.8	47.7	52.5	50.3	1.7	2.6	No	No	No	No		
2170	1 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.6	47.1	56.7	54.6	6.1	7.5	Yes	Yes	No	Yes		
2171	7 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.1	44.9	49.6	47.5	1.5	2.6	No	No	No	No		
2172	9 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	49.1	45.8	50.1	47.9	1.0	2.1	No	No	No	No		
2173	6 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.4	50.1	47.9	1.4	2.5	No	No	No	No		
2174	10 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.9	47.4	57.0	54.9	6.1	7.5	Yes	Yes	No	Yes		
2175	38 MAISON DIEU ROAD MCDougalls Hill	Residential	55	50	59.6	56.0	59.0	55.4	-0.6	-0.6	Yes	Yes	No	Yes		
2176	5 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.7	47.4	52.2	50.1	1.5	2.7	No	No	No	No		
2177	3 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.9	47.3	57.4	55.3	6.5	8.0	Yes	Yes	No	Yes		
2178	9 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.2	46.0	50.8	48.7	1.6	2.7	No	No	No	No		
2179	8 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.6	50.3	48.2	1.6	2.6	No	No	No	No		
2180	16 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	52.3	49.1	54.9	52.7	2.6	3.6	Yes	No	No	Yes		
2181	3 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.0	44.8	49.0	46.9	1.0	2.1	No	No	No	No		
2182	7 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	51.5	48.4	54.4	52.2	2.9	3.8	Yes	No	No	Yes		
2183	4 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	52.3	49.0	55.5	53.4	3.2	4.4	Yes	No	No	Yes		
2184	58 MAISON DIEU ROAD MCDougalls Hill	Caravan Park	0	0	56.3	52.6	55.2	52.2	-1.1	-0.4	No	No	No	No		
2185	58 MAISON DIEU ROAD MCDougalls Hill	Caravan Park	0	0	57.8	53.9	58.3	52.9	0.5	-1.4	No	No	No	No		
2186	12 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	51.3	47.7	58.1	56.0	6.8	8.3	Yes	Yes	No	Yes		
2187	38 MAISON DIEU ROAD MCDougalls Hill	Caravan Park	0	0	58.3	54.7	57.3	54.9	-1.0	-0.2	No	No	No	No		
2188	5 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	51.8	48.5	54.7	52.6	2.9	4.1	Yes	No	No	Yes		
2189	7 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.6	45.3	49.8	47.7	1.2	2.4	No	No	No	No		
2190	58 MAISON DIEU ROAD MCDougalls Hill	Caravan Park	0	0	55.6	51.8	54.9	51.7	-0.7	-0.1	No	No	No	No		
2191	38 MAISON DIEU ROAD MCDougalls Hill	Caravan Park	0	0	58.1	54.5	57.0	54.4	-1.1	-0.1	No	No	No	No		
2192	14 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	51.2	47.6	57.9	55.8	6.7	8.2	Yes	Yes	No	Yes		
2193	58 MAISON DIEU ROAD MCDougalls Hill	Caravan Park	0	0	52.7	48.9	51.8	48.7	-0.9	-0.2	No	No	No	No		
2194	6 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	52.0	48.6	55.5	53.3	3.5	4.7	Yes	No	No	Yes		
2195	14 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	50.0	46.4	53.9	51.8	3.9	5.4	Yes	No	No	Yes		
2196	5 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.8	47.2	56.9	54.8	6.1	7.6	Yes	Yes	No	Yes		
2197	8 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	49.2	45.9	50.4	48.2	1.2	2.3	No	No	No	No		
2198	11 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.3	46.0	50.8	48.7	1.5	2.7	No	No	No	No		
2199	58 MAISON DIEU ROAD MCDougalls Hill	Caravan Park	0	0	55.5	51.7	53.9	51.3	-1.6	-0.4	No	No	No	No		
2200	58 MAISON DIEU ROAD MCDougalls Hill	Caravan Park	0	0	51.8	48.1	51.0	48.1	-0.8	0.0	No	No	No	No		
2201	58 MAISON DIEU ROAD MCDougalls Hill	Caravan Park	0	0	56.5	52.9	54.6	52.3	-1.9	-0.6	No	No	No	No		
2202	7 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.4	47.0	52.1	50.0	1.7	3.0	No	No	No	No		
2203	8 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.4	50.1	48.0	1.4	2.6	No	No	No	No		
2204	58 MAISON DIEU ROAD MCDougalls Hill	Caravan Park	0	0	57.2	53.6	55.6	53.3	-1.6	-0.3	No	No	No	No		
2205	5 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.8	44.5	48.9	46.6	1.1	2.3	No	No	No	No		
2206	3 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	50.8	47.3	54.0	51.9	3.2	4.6	Yes	No	No	Yes		
2207	12 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	50.9	47.4	54.5	52.4	3.6	5.0	Yes	No	No	Yes		
2208	9 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.5	47.2	52.1	49.9	1.6	2.7	No	No	No	No		
2209	58 MAISON DIEU ROAD MCDougalls Hill	Caravan Park	0	0	57.1	53.5	55.6	53.3	-1.5	-0.2	No	No	No	No		
2210	16 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	51.0	47.5	57.7	55.6	6.7	8.1	Yes	Yes	No	Yes		
2211	7 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	51.1	47.6	56.7	54.6	5.6	7.0	Yes	Yes	No	Yes		
2212	8 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.7	48.3	55.4	53.2	3.7	4.9	Yes	No	No	Yes		
2213	10 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	49.4	46.0	51.0	48.8	1.6	2.8	No	No	No	No		
2214	10 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	49.2	45.9	50.6	48.5	1.4	2.6	No	No	No	No		
2215	13 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.6	46.2	50.7	48.6	1.1	2.4	No	No	No	No		
2216	5 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.9	44.6	49.1	47.0	1.2	2.4	No	No	No	No		
2217	18 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.6	47.1	57.9	55.8	7.3	8.7	Yes	Yes	No	Yes		
2218	1 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	50.4	46.9	54.2	52.0	3.8	5.1	Yes	No	No	Yes		
2219	10 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	51.1	47.6	54.4	52.3	3.3	4.7	Yes	No	No	Yes		
2220	7 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	44.3	48.7	46.6	1.1	2.3	No	No	No	No		
2221	58 MAISON DIEU ROAD MCDougalls Hill	Caravan Park	0	0	56.9	53.2	55.4	53.1	-1.5	-0.1	No	No	No	No		
2222	11 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.4	47.1	52.2	50.0	1.8	2.9	No	No	No	No		
2223	15 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.3	45.9	50.9	48.7	1.6	2.8	No	No	No	No		
2224	14 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.0	44.7	49.6	47.4	1.6	2.7	No	No	No	No		
2225	10 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	52.1	48.7	55.5	53.4	3.4	4.7	Yes	No	No	Yes		
2226	12 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.9	45.6	50.5	48.4	1.6	2.8	No	No	No	No		
2227	9 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.8	47.3	56.1	53.9	5.3	6.6	Yes	No	No	Yes		
2228	3 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.6	44.4	48.7	46.6	1.1	2.2	No	No	No	No		
2229*	4864 NEW ENGLAND HIGHWAY MCDougalls Hill	Residential	55	50	60.0	57.0	60.9	58.8	0.9	1.8	Yes	Yes	No	Yes		
2230	20 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.7	47.0	57.4	55.3	6.7	8.3	Yes	Yes	No	Yes		
2231	13 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.2	46.8	52.5	50.4	2.3	3.6	No	No	No	No		
2232	8 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	50.9	47.4	54.2	52.1	3.3	4.7	Yes	No	No	Yes		
2233	9 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.3	44.1	48.6	46.5	1.3	2.4	No	No	No	No		
2234	8 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	49.2	45.9	51.0	48.8	1.8	2.9	No	No	No	No		
2236	12 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	52.0	48.6	55.6	53.4	3.6	4.8	Yes	No	No	Yes		
2237	14 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.4	45.1	50.3	48.2	1.9	3.1	No	No	No	No		
2238	19 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.8	45.3	50.8	48.7	2.0	3.4	No	No	No	No		
2239	6 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.8	45.5	50.6	48.5	1.8	3.0	No	No	No	No		
2240	22 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.5	46.9	57.3	55.1	6.8	8.2	Yes	Yes	No	Yes		
2241	17 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	47.2	43.3	49.1	46.9	1.9	3.0	No	No	No	No		
2242	15 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.3	46.9	52.4	50.3	2.1	3.4	No	No	No	No		
2243	6 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	50.2	46.8	53.7	51.6	3.5	4.8	Yes	No	No	Yes		
2244	1 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.3	43.9	48.4	46.3	1.1	2.4	No	No	No	No		
2245	11 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	43.7	48.1	46.0	1.1	2.3	No	No	No	No		
2246	14 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.7	48.3	55.6	53.4	3.9	5.1	Yes	No	No	Yes		
2247	16 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.6	45.1	50.2	48.2	1.6	3.1	No	No	No	No		
2248	4 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	50.1	46.8	53.8	51.6	3.7	4.8	Yes	No	No	Yes		
2249	17 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	52.5	49.1	55.5	53.4	3.0	4.3	Yes	No	No	Yes		
2250	4 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.4	45.1	50.2	48.1	1.8	3.0	No	No	No	No		
2251	24 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.3	46.5	56.9	54.7	6.6	8.2	Yes	Yes	No	Yes		
2252	16 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.6	48.2	55.5	53.3	3.9	5.1	Yes	No	No	Yes		
2253	2 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	49.9	46.6	53.8	51.6	3.9	5.0	Yes	No	No	Yes		
2254	11 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.6	46.8	55.7	53.6	5.1	6.8	Yes	No	No	Yes		
2255	18 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.2	50.4	48.2	1.7	3.0	No	No	No	No		
2256	1 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	45.4	42.4	46.4	44.3	1.0	1.9	No	No	No	No		
2257	11 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	47.4	44.1	47.9	45.9	0.5	1.8	No	No	No	No		
2258	13 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.5	48.2	46.1	1.3	2.6	No	No	No	No		
2259	3 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	42.7	47.0	44.9	1.2	2.2	No	No	No	No		

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - No Noise Barrier										Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change							
			Day	Night	Day	Night	Day	Night	Day	Night						
2260	5 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	46.2	43.1	47.3	45.1	1.1	2.0	No	No	No	No		
2261	26 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.1	46.4	56.4	54.2	6.3	7.8	Yes	No	No	Yes		
2262	19 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.9	46.4	52.6	50.4	2.7	4.0	No	No	No	No		
2263	20 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	47.9	44.3	49.7	47.5	1.8	3.2	No	No	No	No		
2264	18 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	52.8	49.3	56.9	54.8	4.1	5.5	Yes	Yes	No	Yes		
2265	2 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.3	44.8	49.8	47.7	1.5	2.9	No	No	No	No		
2266	13 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.0	46.2	55.2	53.0	5.2	6.8	Yes	No	No	Yes		
2267	20 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.8	45.4	50.8	48.6	2.0	3.2	No	No	No	No		
2268	18 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.3	48.6	46.4	1.5	3.1	No	No	No	No		
2269	21 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.0	46.4	52.7	50.6	2.7	4.2	Yes	No	No	Yes		
2270	20 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.8	47.5	55.1	52.9	4.3	5.4	Yes	No	No	Yes		
2271	28 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.6	47.0	56.0	53.8	5.4	6.8	Yes	No	No	Yes		
2272	22 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.2	47.7	55.3	53.2	4.1	5.5	Yes	No	No	Yes		
2273	23 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.2	46.6	52.9	50.8	2.7	4.2	Yes	No	No	Yes		
2274	22 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.3	45.0	50.6	48.4	2.3	3.4	No	No	No	No		
2275	15 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	45.9	55.0	52.8	5.3	6.9	Yes	No	No	Yes		
2276	22 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.2	46.8	53.7	51.5	3.5	4.7	Yes	No	No	Yes		
2277	22 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.8	45.2	50.5	48.4	1.7	3.2	No	No	No	No		
2278	21 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.1	45.6	50.8	48.7	1.7	3.1	No	No	No	No		
2279	1 PARK VIEW CRESCENT MCDUGALLS HILL	Residential	55	50	66.6	62.9	62.6	60.9	-4.0	-2.0	No	No	No	No		
2280	30 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.2	46.4	56.0	53.8	5.8	7.4	Yes	No	No	Yes		
2281	24 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.8	50.3	48.2	2.1	3.4	No	No	No	No		
2282	23 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.9	48.8	46.7	1.9	2.8	No	No	No	No		
2283	25 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.9	46.4	52.9	50.8	3.0	4.4	Yes	No	No	Yes		
2284	15 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	44.1	48.8	46.7	1.3	2.6	No	No	No	No		
2285	2 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	45.9	42.8	47.3	45.2	1.4	2.4	No	No	No	No		
2286	24 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.8	45.3	51.0	48.8	2.2	3.5	No	No	No	No		
2287	24 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.5	47.0	54.9	52.7	4.4	5.7	Yes	No	No	Yes		
2288	4 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	46.2	43.2	47.7	45.6	1.5	2.4	No	No	No	No		
2289	6 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	43.6	48.4	46.3	1.7	2.7	No	No	No	No		
2290	8 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	46.8	43.7	48.7	46.5	1.9	2.8	No	No	No	No		
2291	10 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	43.9	48.9	46.8	1.9	2.9	No	No	No	No		
2292	12 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	46.8	43.7	48.7	46.5	1.9	2.8	No	No	No	No		
2293	25 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.2	50.5	48.3	1.8	3.1	No	No	No	No		
2294	26 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	45.0	50.3	48.2	1.8	3.2	No	No	No	No		
2295	17 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	44.3	49.0	46.9	1.4	2.6	No	No	No	No		
2296	33 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.9	48.7	46.5	1.8	2.6	No	No	No	No		
2297	26 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.9	47.3	55.8	53.6	4.9	6.3	Yes	No	No	Yes		
2298	27 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	46.2	53.1	51.0	3.4	4.8	Yes	No	No	Yes		
2299	32 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	45.8	55.5	53.3	5.8	7.5	Yes	No	No	Yes		
2300	26 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.0	45.5	51.2	49.1	2.2	3.6	No	No	No	No		
2301	28 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.6	49.9	47.7	1.7	3.1	No	No	No	No		
2302	31 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.3	48.0	45.8	1.1	2.5	No	No	No	No		
2303	3 PARK VIEW CRESCENT MCDUGALLS HILL	Residential	55	50	59.0	55.1	55.8	54.0	-3.2	-1.1	No	No	No	No		
2304	28 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.1	47.5	55.8	53.6	4.7	6.1	Yes	No	No	Yes		
2305	27 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.6	45.1	50.6	48.4	2.0	3.3	No	No	No	No		
2306	29 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.9	46.2	53.4	51.3	3.5	5.1	Yes	No	No	Yes		
2307	5 PARK VIEW CRESCENT MCDUGALLS HILL	Residential	55	50	56.4	52.5	54.5	52.4	-1.9	-0.1	Yes	No	No	No		
2309	19 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	44.1	49.0	46.9	1.4	2.8	No	No	No	No		
2310	28 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.0	45.4	51.4	49.2	2.4	3.8	No	No	No	No		
2311	30 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.0	44.5	49.7	47.5	1.7	3.0	No	No	No	No		
2312	29 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	43.6	48.4	46.2	1.4	2.6	No	No	No	No		
2313	30 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.6	47.1	55.4	53.2	4.8	6.1	Yes	No	No	Yes		
2314	31 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.1	46.4	53.6	51.5	3.5	5.1	Yes	No	No	Yes		
2315	21 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	44.1	48.9	46.8	1.3	2.7	No	No	No	No		
2316	25 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	43.2	47.9	45.8	1.4	2.6	No	No	No	No		
2317	32 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.2	47.6	56.2	54.0	5.0	6.4	Yes	No	No	Yes		
2319	32 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	46.8	43.6	48.5	46.4	1.7	2.8	No	No	No	No		
2320	29 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.6	45.0	50.6	48.5	2.0	3.5	No	No	No	No		
2321	30 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.0	45.4	51.4	49.3	2.4	3.9	No	No	No	No		
2322	21 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.0	42.8	47.7	45.5	1.7	2.7	No	No	No	No		
2323	27 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.4	48.3	46.1	1.4	2.7	No	No	No	No		
2324	19 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.2	43.7	48.7	46.6	1.5	2.9	No	No	No	No		
2325	23 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	45.6	42.4	46.9	44.7	1.3	2.3	No	No	No	No		
2326	31 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	44.9	50.5	48.4	2.0	3.5	No	No	No	No		
2327	33 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.2	46.5	53.8	51.7	3.6	5.2	Yes	No	No	Yes		
2328	34 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	51.4	47.8	56.6	54.5	5.2	6.7	Yes	Yes	No	Yes		
2329	23 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.7	44.2	49.1	47.0	1.4	2.8	No	No	No	No		
2331	32 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.1	45.4	51.9	49.7	2.8	4.3	No	No	No	No		
2332	4876 NEW ENGLAND HIGHWAY MCDUGALLS HILL	Residential	55	50	51.6	47.8	65.8	62.5	14.2	14.7	Yes	No	No	Yes		
2333	35 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.2	46.5	54.0	51.8	3.8	5.3	Yes	No	No	Yes		
2334	17 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.8	48.5	46.3	1.4	2.5	No	No	No	No		
2335	33 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	47.7	44.2	50.1	48.0	2.4	3.8	No	No	No	No		
2336	34 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	43.0	47.7	45.5	1.2	2.5	No	No	No	No		
2337	52 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.3	43.8	48.2	46.1	0.9	2.3	No	No	No	No		
2338	36 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.5	45.5	54.6	52.4	5.1	6.9	Yes	No	No	Yes		
2339	37 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.9	46.4	53.9	51.7	4.0	5.3	Yes	No	No	Yes		
2340	34 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	44.8	51.5	49.3	3.0	4.5	No	No	No	No		
2341	15 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	45.7	42.5	48.3	46.1	2.6	3.6	No	No	No	No		
2342	50 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	43.5	48.0	45.8	1.0	2.3	No	No	No	No		
2344	39 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	46.1	53.8	51.7	4.1	5.6	Yes	No	No	Yes		
2345	13 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.2	43.8	49.1	46.9	1.9	3.1	No	No	No	No		
2346	41 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.9	46.2	54.5	52.4	4.6	6.2	Yes	No	No	Yes		
2347	35 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.3	49.3	47.1	2.4	3.8	No	No	No	No		
2348	48 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.3	48.0	45.8	1.1	2.5	No	No	No	No		
2349	38 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	45.7	54.5	52.3	4.8	6.6	Yes	No	No	Yes		
2351	46 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	45.9	42.6	47.3	45.1	1.4	2.5	No	No	No	No		
2352	36 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	46.6	43.3	50.2	48.0	3.6	4.7	No	No	No	No		
2353	17 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	44.8	53.1	50.9	4.4	6.1	Yes	No	No	Yes		
2354	9 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.8	45.2	51.1	49.0	2.3	3.8	No	No	No	No		
2355	34 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.4	43.9	48.8	46.7	1.4	2.8	No	No	No	No		
2356	36 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.2	43.7	48.7	46.6	1.5	2.9	No	No	No	No		
2357	38 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	43.3	48.3	46.2	1.6	2.9	No	No	No	No		

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - No Noise Barrier												Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change									
			Day	Night	Day	Night	Day	Night	Day	Night								
2358	40 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.0	42.7	47.6	45.5	1.6	2.8	No	No	No	No				
2359	11 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.1	44.6	51.3	49.1	3.2	4.5	No	No	No	No				
2360	40 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.3	45.3	53.9	51.7	4.6	6.4	Yes	No	No	Yes				
2361	32 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	43.6	48.6	46.5	1.6	2.9	No	No	No	No				
2362	42 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	44.8	41.1	47.1	45.0	2.3	3.9	No	No	No	No				
2363	2 PARK VIEW CRESCENT MCDUGALLS HILL	Residential	55	50	67.5	63.0	63.3	61.5	-4.2	-1.5	No	No	No	No				
2364	30 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.3	43.8	49.0	46.8	1.7	3.0	No	No	No	No				
2365	44 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	45.2	42.0	47.0	44.8	1.8	2.8	No	No	No	No				
2366	7 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	49.2	45.5	52.2	50.1	3.0	4.6	No	No	No	No				
2367	19 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	44.8	53.1	50.9	4.4	6.1	Yes	No	No	Yes				
2368	5 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	49.2	45.5	52.0	49.8	2.8	4.3	No	No	No	No				
2369	28 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	44.0	49.2	47.1	1.6	3.1	No	No	No	No				
2371	3 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.1	51.7	49.5	3.0	4.4	No	No	No	No				
2372	26 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.7	44.1	49.3	47.2	1.6	3.1	No	No	No	No				
2373	42 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.1	45.1	53.5	51.3	4.4	6.2	Yes	No	No	Yes				
2374	22 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	44.0	49.2	47.1	1.7	3.1	No	No	No	No				
2375	24 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.6	48.8	46.7	1.7	3.1	No	No	No	No				
2376	1 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.9	45.0	53.1	50.9	4.2	5.9	Yes	No	No	Yes				
2377	44 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.8	44.7	52.0	49.9	3.2	5.2	No	No	No	No				
2378	20 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	44.0	49.2	47.1	1.6	3.1	No	No	No	No				
2380	18 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.8	44.2	49.7	47.6	1.9	3.4	No	No	No	No				
2381	16 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.1	44.5	50.0	47.9	1.9	3.4	No	No	No	No				
2383	12 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.0	44.4	50.0	47.9	2.0	3.5	No	No	No	No				
2384	14 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.4	44.0	49.6	47.4	2.2	3.4	No	No	No	No				
2385	46 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	44.7	52.5	50.3	3.8	5.6	No	No	No	No				
2386	10 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.8	44.2	49.9	47.8	2.1	3.6	No	No	No	No				
2387	8 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.6	50.5	48.4	2.3	3.8	No	No	No	No				
2388	48 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	44.4	52.4	50.2	3.9	5.8	No	No	No	No				
2389	6 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.3	44.7	51.0	48.8	2.7	4.1	No	No	No	No				
2390	4 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	44.7	51.2	49.1	2.7	4.4	No	No	No	No				
2391	2 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.9	45.2	51.6	49.5	2.7	4.3	No	No	No	No				
2392	50 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.2	51.9	49.7	3.7	5.5	No	No	No	No				
2393	21 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.9	45.2	52.3	50.1	3.4	4.9	No	No	No	No				
2394	12 MCDUGALL CLOSE MCDUGALLS HILL	Residential	55	50	57.2	52.9	54.1	52.0	-3.1	-0.9	No	No	No	No				
2395	4 PARK VIEW CRESCENT MCDUGALLS HILL	Residential	55	50	63.3	58.7	59.4	57.6	-3.9	-1.1	No	No	No	No				
2396	52 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.0	44.0	51.5	49.3	3.5	5.3	No	No	No	No				
2399	54 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	43.5	50.9	48.8	3.3	5.3	No	No	No	No				
2401	56 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	43.5	51.4	49.2	3.9	5.7	No	No	No	No				
2403	58 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	47.3	43.3	51.2	49.0	3.9	5.7	No	No	No	No				
2405	11 MCDUGALL CLOSE MCDUGALLS HILL	Residential	55	50	55.0	50.7	52.6	50.6	-2.4	-0.1	No	No	No	No				
2407	60 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	43.0	50.6	48.4	3.6	5.4	No	No	No	No				
2408	99 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.8	47.8	45.7	1.5	2.9	No	No	No	No				
2409	62 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	42.3	49.2	47.0	2.8	4.7	No	No	No	No				
2412	10 MCDUGALL CLOSE MCDUGALLS HILL	Residential	55	50	63.2	58.6	59.4	57.6	-3.8	-1.0	No	No	No	No				
2413	64 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	46.0	41.9	48.9	46.8	2.9	4.9	No	No	No	No				
2414	2 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.9	42.0	48.8	46.6	2.9	4.6	No	No	No	No				
2415	92 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	42.2	47.4	45.3	1.6	3.1	No	No	No	No				
2416	86 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.0	41.5	46.6	44.4	1.6	2.9	No	No	No	No				
2417	23 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	41.5	47.0	44.9	1.7	3.4	No	No	No	No				
2418	1 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.8	43.2	49.4	47.3	2.6	4.1	No	No	No	No				
2419	84 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.7	42.2	47.6	45.5	1.9	3.3	No	No	No	No				
2420	88 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	44.6	41.1	46.2	44.1	1.6	3.0	No	No	No	No				
2421	90 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	44.7	41.2	46.4	44.3	1.7	3.1	No	No	No	No				
2422	4 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.0	42.1	48.9	46.7	2.9	4.6	No	No	No	No				
2423	82 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	42.1	48.0	45.9	2.2	3.8	No	No	No	No				
2425	80 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.9	42.3	48.0	45.9	2.1	3.6	No	No	No	No				
2426	78 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.9	42.3	48.1	46.0	2.2	3.7	No	No	No	No				
2427	66 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	46.0	42.5	48.8	46.7	2.8	4.2	No	No	No	No				
2429	76 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	42.2	48.3	46.2	2.5	4.0	No	No	No	No				
2430	23 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.9	41.3	46.3	44.2	1.4	2.9	No	No	No	No				
2431	74 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	46.0	42.4	48.3	46.2	2.3	3.8	No	No	No	No				
2432	70 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	42.2	48.3	46.2	2.5	4.0	No	No	No	No				
2433	68 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.7	42.2	48.5	46.4	2.8	4.2	No	No	No	No				
2434	28 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.4	41.8	46.7	44.6	1.3	2.8	No	No	No	No				
2435	84 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	43.1	39.6	45.1	43.0	2.0	3.4	No	No	No	No				
2436	6 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.5	41.7	48.3	46.2	2.8	4.5	No	No	No	No				
2437	3 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.1	42.4	49.0	46.9	2.9	4.5	No	No	No	No				
2438	72 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.7	42.1	48.1	46.0	2.4	3.9	No	No	No	No				
2439	4 FOREST AVENUE SINGLETON HEIGHTS	Residential	55	50	44.6	40.9	45.1	43.0	0.5	2.1	No	No	No	No				
2440	82 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.4	41.7	46.9	44.7	1.5	3.0	No	No	No	No				
2443	9 MCDUGALL CLOSE MCDUGALLS HILL	Residential	55	50	57.3	52.8	54.6	52.7	-2.7	-0.1	No	No	No	No				
2444	8 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.3	41.5	48.1	46.0	2.8	4.5	No	No	No	No				
2445	6 FOREST AVENUE SINGLETON HEIGHTS	Residential	55	50	44.1	40.6	45.6	43.5	1.5	2.9	No	No	No	No				
2447	26 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.6	42.0	47.0	44.9	1.4	2.9	No	No	No	No				
2448	15 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.2	40.5	46.4	44.3	2.2	3.8	No	No	No	No				
2449	13 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.5	41.9	47.1	45.0	1.6	3.1	No	No	No	No				
2450	5 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.0	42.3	48.8	46.6	2.8	4.3	No	No	No	No				
2451	8 FOREST AVENUE SINGLETON HEIGHTS	Residential	55	50	44.3	40.5	45.6	43.5	1.3	3.0	No	No	No	No				
2452	24 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.6	42.0	46.8	44.7	1.2	2.7	No	No	No	No				
2453	11 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	41.7	47.1	45.0	1.8	3.3	No	No	No	No				
2454	9 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.0	41.4	46.6	44.5	1.6	3.1	No	No	No	No				
2455	5 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.0	41.2	46.4	44.3	1.4	3.1	No	No	No	No				
2456	7 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.9	41.2	46.3	44.2	1.4	3.0	No	No	No	No				
2457	24 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	41.8	46.7	44.6	1.4	2.8	No	No	No	No				
2458	10 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.0	41.2	47.9	45.7	2.9	4.5	No	No	No	No				
2459	7 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.8	42.1	48.6	46.5	2.8	4.4	No	No	No	No				
2460	20 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.7	41.0	46.5	44.3	1.8	3.3	No	No	No	No				
2461	1 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.6	42.0	47.6	45.5	2.0	3.5	No	No	No	No				
2462	3 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.2	41.5	47.2	45.0	2.0	3.5	No	No	No	No				
2463	18 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.0	41.5	47.0	44.9	2.0	3.4	No	No	No	No				
2464	14 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.6	41.1	47.2	45.0	2.6	3.9	No	No	No	No				
2465	2 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	45.3	41.8	47.7	45.6	2.4	3.8	No	No	No	No				
2466	11 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.7	41.1	47.1	45.0	2.4	3.9	No	No	No	No				

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - No Noise Barrier										Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change							
			Day	Night	Day	Night	Day	Night	Day	Night						
2467	1 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.5	41.7	47.3	45.2	1.8	3.5	No	No	No	No		
2468	3 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	45.8	42.2	47.9	45.8	2.1	3.6	No	No	No	No		
2469	1 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	44.2	40.8	46.4	44.3	2.2	3.5	No	No	No	No		
2470	10 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.5	40.9	47.0	44.8	2.5	3.9	No	No	No	No		
2471	2 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	43.5	39.7	44.6	42.4	1.1	2.7	No	No	No	No		
2472	16 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	45.3	41.6	46.2	44.1	0.9	2.5	No	No	No	No		
2473	26 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.6	41.9	47.1	45.0	1.5	3.1	No	No	No	No		
2474	2 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.6	41.9	47.3	45.2	1.7	3.3	No	No	No	No		
2475	14 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.6	41.9	47.9	45.7	2.3	3.8	No	No	No	No		
2476	3 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	42.1	48.3	46.2	2.5	4.1	No	No	No	No		
2477	5 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.9	42.2	48.2	46.1	2.3	3.9	No	No	No	No		
2478	2 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.8	40.9	47.1	44.9	2.3	4.0	No	No	No	No		
2479	9 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.9	42.3	48.3	46.2	2.4	3.9	No	No	No	No		
2480	3 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.8	41.2	46.7	44.6	1.9	3.4	No	No	No	No		
2481	9 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.1	41.4	47.3	45.2	2.2	3.8	No	No	No	No		
2482	4 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	45.7	42.1	47.9	45.8	2.2	3.7	No	No	No	No		
2483	4 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	44.9	41.1	46.7	44.5	1.8	3.4	No	No	No	No		
2484	24 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.0	41.3	47.3	45.1	2.3	3.8	No	No	No	No		
2485	16 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.7	40.9	47.5	45.4	2.8	4.5	No	No	No	No		
2486	4 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.5	41.7	47.1	45.0	1.6	3.3	No	No	No	No		
2487	4 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.2	41.4	47.5	45.4	2.3	4.0	No	No	No	No		
2488	5 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	44.5	41.0	45.8	43.6	1.3	2.6	No	No	No	No		
2489	7 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	44.9	41.5	47.9	45.8	3.0	4.3	No	No	No	No		
2490	8 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.8	42.3	48.3	46.2	2.5	3.9	No	No	No	No		
2491	11 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.8	42.1	48.3	46.2	2.5	4.1	No	No	No	No		
2492	7 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.6	49.1	47.0	2.8	4.4	No	No	No	No		
2493	18 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.3	40.6	47.0	44.8	2.7	4.2	No	No	No	No		
2494	6 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	44.9	41.1	47.0	44.9	2.1	3.8	No	No	No	No		
2495	17 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	46.3	42.8	48.4	46.3	2.1	3.5	No	No	No	No		
2496	6 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	44.8	41.4	47.1	45.0	2.3	3.6	No	No	No	No		
2497	7 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	46.9	43.3	49.4	47.3	2.5	4.0	No	No	No	No		
2498	5 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	47.2	43.5	49.4	47.3	2.2	3.8	No	No	No	No		
2499	22 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.7	42.0	48.0	45.9	2.3	3.9	No	No	No	No		
2500	6 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.9	41.0	47.1	45.0	2.2	4.0	No	No	No	No		
2501	9 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	42.8	49.3	47.2	2.8	4.4	No	No	No	No		
2502	20 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	43.1	39.2	43.2	41.1	0.1	1.9	No	No	No	No		
2503	8 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.1	41.5	47.6	45.5	2.5	4.0	No	No	No	No		
2504	13 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.5	41.8	48.3	46.1	2.8	4.3	No	No	No	No		
2505	6 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	46.1	42.6	48.8	46.7	2.7	4.1	No	No	No	No		
2506	20 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	46.0	42.2	48.6	46.5	2.6	4.3	No	No	No	No		
2507	19 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	45.5	41.8	46.3	44.3	0.8	2.5	No	No	No	No		
2508	45 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	42.5	39.2	44.7	42.5	2.2	3.3	No	No	No	No		
2509	8 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.7	41.0	47.4	45.3	2.7	4.3	No	No	No	No		
2510	43 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.6	42.0	48.2	46.1	2.6	4.1	No	No	No	No		
2511	11 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.8	43.0	49.7	47.6	2.9	4.6	No	No	No	No		
2513	18 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.0	41.2	47.1	45.0	2.1	3.8	No	No	No	No		
2514	10 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.5	41.9	48.0	45.9	2.5	4.0	No	No	No	No		
2515	15 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.4	41.5	48.2	46.1	2.8	4.6	No	No	No	No		
2516	41 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.8	42.3	47.3	45.2	1.5	2.9	No	No	No	No		
2517	13 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.1	49.6	47.5	2.7	4.4	No	No	No	No		
2518	10 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.9	41.3	47.8	45.7	2.9	4.4	No	No	No	No		
2519	24 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.8	41.0	47.3	45.1	2.5	4.1	No	No	No	No		
2520	39 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.5	43.0	49.1	47.0	2.6	4.0	No	No	No	No		
2521	21 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	45.8	42.3	47.2	45.1	1.4	2.8	No	No	No	No		
2522	37 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.7	42.2	47.3	45.2	1.6	3.0	No	No	No	No		
2524	23 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	45.3	41.9	47.2	45.1	1.9	3.2	No	No	No	No		
2525	15 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	43.0	49.7	47.5	3.0	4.5	No	No	No	No		
2526	16 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	46.0	42.3	49.0	46.9	3.0	4.6	No	No	No	No		
2527	12 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.8	40.8	47.1	45.0	2.3	4.2	No	No	No	No		
2528	17 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.4	41.6	48.6	46.5	3.2	4.9	No	No	No	No		
2529	35 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.3	42.7	49.2	47.1	2.9	4.4	No	No	No	No		
2530	12 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	42.5	48.0	45.9	1.6	3.4	No	No	No	No		
2531	26 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.1	41.3	47.6	45.5	2.5	4.2	No	No	No	No		
2532	56 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.6	42.0	46.5	44.4	0.9	2.4	No	No	No	No		
2533	17 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.4	49.8	47.6	2.7	4.2	No	No	No	No		
2534	14 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.1	41.6	48.2	46.1	3.1	4.5	No	No	No	No		
2535	28 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.4	41.7	48.3	46.2	2.9	4.5	No	No	No	No		
2536	19 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.4	41.7	48.5	46.3	3.1	4.6	No	No	No	No		
2537	58 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.9	41.0	44.6	42.5	-0.3	1.5	No	No	No	No		
2538	60 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.2	40.4	43.7	41.6	-0.5	1.2	No	No	No	No		
2539	24 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	42.8	39.4	43.1	41.0	0.3	1.6	No	No	No	No		
2540	14 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.8	43.0	49.1	47.0	2.3	4.0	No	No	No	No		
2541	16 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.9	49.7	47.6	3.4	4.7	No	No	No	No		
2542	21 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.2	42.5	49.6	47.5	3.4	5.0	No	No	No	No		
2543	54 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.3	41.8	46.6	44.5	1.3	2.7	No	No	No	No		
2544	31 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.6	42.9	49.7	47.5	3.1	4.6	No	No	No	No		
2545	23 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	43.6	40.3	46.7	44.7	3.1	4.4	No	No	No	No		
2546	30 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.8	42.1	49.2	47.1	3.4	5.0	No	No	No	No		
2547	50 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.6	42.6	47.2	45.1	0.6	2.5	No	No	No	No		
2548	52 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.3	42.2	46.5	44.3	0.2	2.1	No	No	No	No		
2549	33 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.3	42.7	49.6	47.5	3.3	4.8	No	No	No	No		
2550	6 MCDUGALL CLOSE MCDUGALLS HILL	Residential	55	50	55.8	51.6	54.5	52.4	-1.3	0.8	Yes	No	No	No		
2551	29 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.3	42.7	48.8	46.7	2.5	4.0	No	No	No	No		
2552	25 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.9	41.4	48.0	45.9	3.1	4.5	No	No	No	No		
2553	32 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.0	42.5	48.9	46.8	2.9	4.3	No	No	No	No		
2554	46 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.4	42.5	47.8	45.7	1.4	3.2	No	No	No	No		
2555	48 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.4	42.5	48.4	46.3	2.0	3.8	No	No	No	No		
2556	27 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.6	42.1	48.6	46.5	3.0	4.4	No	No	No	No		
2557	26 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	43.8	40.2	44.5	42.3	0.7	2.1	No	No	No	No		
2558	44 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.0	41.4	46.8	44.7	1.8	3.3	No	No	No	No		
2559	42 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.3	42.4	47.6	45.4	1.3	3.0	No	No	No	No		
2560	34 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.9	41.4	48.2	46.1	3.3	4.7	No	No	No	No		
2561	13B BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	44.6	40.5	44.7	42.6	0.1	2.1	No	No	No	No		

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - No Noise Barrier									Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum			Design		Change					
			Day	Night	Day	Night	Day	Night	Day	Night					
2562	13B BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	44.9	40.7	45.1	42.9	0.2	2.2	No	No	No	No	
2563	40 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	47.2	43.2	47.9	45.8	0.7	2.6	No	No	No	No	
2564	33 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	45.1	41.6	46.4	44.3	1.3	2.7	No	No	No	No	
2565	14 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	45.6	41.5	46.2	44.1	0.6	2.6	No	No	No	No	
2566	2 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	42.7	48.2	46.0	2.4	3.3	No	No	No	No	
2567	2 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	47.0	43.2	49.7	47.5	2.7	4.3	No	No	No	No	
2568	3 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.6	42.3	48.0	45.9	2.4	3.6	No	No	No	No	
2569	7 MCDougall Close MCDougalls Hill	Residential	55	50	53.2	49.2	53.5	51.5	0.3	2.3	Yes	No	No	Yes	
2570	13 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	46.1	42.3	47.5	45.4	1.4	3.1	No	No	No	No	
2571	38 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.0	42.7	48.0	45.8	2.0	3.1	No	No	No	No	
2572	1 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	48.3	44.6	51.5	49.3	3.2	4.7	No	No	No	No	
2573	4 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	47.4	43.7	50.9	48.8	3.5	5.1	No	No	No	No	
2574	15 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	46.2	42.2	47.0	44.9	0.8	2.7	No	No	No	No	
2575	30 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.9	41.2	45.5	43.4	0.6	2.2	No	No	No	No	
2576	30 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.8	41.2	45.3	43.2	0.5	2.0	No	No	No	No	
2577	12 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.6	43.6	49.0	46.9	1.4	3.3	No	No	No	No	
2578	4 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.8	44.1	49.9	47.8	2.1	3.7	No	No	No	No	
2579	36 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.0	41.4	48.7	46.5	3.7	5.1	No	No	No	No	
2580	32 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.2	40.5	45.1	42.9	0.9	2.4	No	No	No	No	
2581	35 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.6	41.1	45.9	43.7	1.3	2.6	No	No	No	No	
2582	16 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	45.4	42.3	47.9	45.8	2.5	3.5	No	No	No	No	
2583	17 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	45.4	42.3	47.9	45.8	2.5	3.5	No	No	No	No	
2584	37 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	43.7	40.4	45.1	43.0	1.4	2.6	No	No	No	No	
2585	3 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	47.8	44.0	50.8	48.7	3.0	4.7	No	No	No	No	
2586	5 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	48.8	45.1	50.3	48.2	1.5	3.1	No	No	No	No	
2587	6 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	47.8	44.0	50.8	48.6	3.0	4.6	No	No	No	No	
2588	5 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	49.5	45.8	52.2	50.1	2.7	4.3	No	No	No	No	
2589	11 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	45.2	41.9	47.2	45.1	2.0	3.2	No	No	No	No	
2590	34 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.1	40.6	45.7	43.5	1.6	2.9	No	No	No	No	
2591	3 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	45.5	41.7	46.5	44.4	1.0	2.7	No	No	No	No	
2592	2 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.9	43.8	49.2	47.1	1.3	3.3	No	No	No	No	
2593	10 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	46.0	42.5	47.4	45.2	1.4	2.7	No	No	No	No	
2594	34 DEANS AVENUE SINGLETON HEIGHTS	Residential	55	50	41.9	39.0	43.3	41.2	1.4	2.2	No	No	No	No	
2595	1 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.7	45.0	50.5	48.4	1.8	3.4	No	No	No	No	
2599	9 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	45.7	41.9	46.8	44.7	1.1	2.8	No	No	No	No	
2600	38 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	41.6	38.9	43.2	41.1	1.6	2.2	No	No	No	No	
2601	4941 NEW ENGLAND HIGHWAY MCDougalls Hill	Residential	55	50	61.1	56.6	57.6	55.8	-3.5	-0.8	No	No	No	No	
2602	9 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.0	50.6	48.5	1.9	3.5	No	No	No	No	
2603	4 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.4	44.7	49.7	47.6	1.3	2.9	No	No	No	No	
2604	40 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	41.6	38.4	42.5	40.4	0.9	2.0	No	No	No	No	
2605	8 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	44.3	40.6	45.5	43.4	1.2	2.8	No	No	No	No	
2606	5 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.1	44.3	49.5	47.4	1.4	3.1	No	No	No	No	
2607	11 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	48.4	44.6	50.2	48.1	1.8	3.5	No	No	No	No	
2608	7 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	44.9	41.2	46.8	44.7	1.9	3.5	No	No	No	No	
2609	40 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	41.8	38.7	43.0	40.9	1.2	2.2	No	No	No	No	
2610	6 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.0	44.2	49.4	47.3	1.4	3.1	No	No	No	No	
2611	40 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	43.2	40.0	44.4	42.2	1.2	2.2	No	No	No	No	
2612	13 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	48.1	44.1	49.4	47.3	1.3	3.2	No	No	No	No	
2613	15 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.9	44.0	49.3	47.2	1.4	3.2	No	No	No	No	
2614	44A CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	46.0	42.1	46.7	44.6	0.7	2.5	No	No	No	No	
2615	4943 NEW ENGLAND HIGHWAY MCDougalls Hill	Residential	55	50	61.2	56.7	57.6	55.8	-3.6	-0.9	No	No	No	No	
2616	14 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	44.5	49.3	47.2	0.8	2.7	No	No	No	No	
2617	30 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	42.8	47.5	45.4	0.8	2.6	No	No	No	No	
2618	32 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.0	47.6	45.5	0.7	2.5	No	No	No	No	
2619	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	43.3	48.6	46.5	1.0	3.2	No	No	No	No	
2620	42 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	45.5	41.4	45.7	43.7	0.2	2.3	No	No	No	No	
2622	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.7	43.4	48.5	46.4	0.8	3.0	No	No	No	No	
2624	20 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.1	47.6	45.5	0.7	2.4	No	No	No	No	
2625	17 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	42.7	47.4	45.4	0.5	2.7	No	No	No	No	
2626	22 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.6	42.6	47.8	45.7	1.2	3.1	No	No	No	No	
2627	20A LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	41.8	38.4	43.5	41.3	1.7	2.9	No	No	No	No	
2628	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	42.7	47.9	45.8	0.8	3.1	No	No	No	No	
2629	19 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.9	42.1	46.8	44.7	0.9	2.6	No	No	No	No	
2630	22A LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.2	42.3	47.6	45.4	1.4	3.1	No	No	No	No	
2631	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.2	49.1	47.0	0.9	2.8	No	No	No	No	
2632	24 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.4	47.0	44.9	0.7	2.5	No	No	No	No	
2633	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	44.9	41.1	46.5	44.4	1.6	3.3	No	No	No	No	
2634	21 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	42.6	47.1	45.0	0.7	2.4	No	No	No	No	
2635	26 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	43.8	40.0	45.1	43.0	1.3	3.0	No	No	No	No	
2636	38 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	43.7	48.5	46.4	1.0	2.7	No	No	No	No	
2638	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	44.4	49.3	47.3	0.8	2.9	No	No	No	No	
2639	40 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	43.6	48.5	46.4	1.0	2.8	No	No	No	No	
2640	23 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.6	42.7	47.4	45.3	0.8	2.6	No	No	No	No	
2641	28 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.3	43.3	48.6	46.4	1.3	3.1	No	No	No	No	
2643	25 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	42.7	47.2	45.1	0.5	2.4	No	No	No	No	
2644	42 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.4	43.5	48.4	46.3	1.0	2.8	No	No	No	No	
2645	28A LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	48.3	44.2	49.2	47.1	0.9	2.9	No	No	No	No	
2646	30 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.0	47.3	45.2	0.4	2.2	No	No	No	No	
2647	44 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.2	47.6	45.5	0.7	2.3	No	No	No	No	
2648	27 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	43.6	48.7	46.6	1.1	3.0	No	No	No	No	
2649	32 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	43.4	48.1	46.1	0.6	2.7	No	No	No	No	
2650	46 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	42.4	47.9	45.8	1.5	3.4	No	No	No	No	
2652	29 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.8	43.9	49.0	46.9	1.2	3.0	No	No	No	No	
2653	34 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.7	43.6	48.6	46.5	0.9	2.9	No	No	No	No	
2654	36 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.7	43.5	48.2	46.2	0.5	2.7	No	No	No	No	
2655	50 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	42.6	48.3	46.2	1.6	3.6	No	No	No	No	
2656	52 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.4	43.4	48.8	46.7	1.4	3.3	No	No	No	No	
2657	38 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.2	43.0	47.8	45.8	0.6	2.8	No	No	No	No	
2658	42 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.8	43.6	48.8	46.7	1.0	3.1	No	No	No	No	
2659	40 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.3	43.2	48.1	46.0	0.8	2.8	No	No	No	No	
2661	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	55.8	52.6	57.6	55.5	1.8	2.9	Yes	Yes	No	Yes	
2662	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	53.7	50.4	57.7	55.7	4.0	5.3	Yes	Yes	No	Yes	
2663	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	54.0	50.6	57.5	55.5	3.5	4.9	Yes	Yes	No	Yes	

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - No Noise Barrier										Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change							
			Day	Night	Day	Night	Day	Night	Day	Night						
2664	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	54.7	51.4	57.4	55.3	2.7	3.9	Yes	Yes	No	Yes		
2665	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	54.2	50.9	57.4	55.4	3.2	4.5	Yes	Yes	No	Yes		
2666	1-3 SCOTT STREET SINGLETON	Residential	51	48	39.1	35.8	55.4	52.8	16.3	17.0	Yes	No	No	Yes		
2667	1 VIEW STREET SINGLETON	Residential	50	47	38.4	34.6	53.5	50.8	15.1	16.2	No	No	Yes	Yes		
2677	5065 NEW ENGLAND HIGHWAY MCDougALLS HILL	Residential	60	55	54.7	54.5	56.2	54.2	1.5	-0.3	No	No	No	No		
2679	5077 NEW ENGLAND HIGHWAY RIXS CREEK	Residential	60	55	59.8	59.8	61.5	59.6	1.7	-0.2	Yes	Yes	No	Yes		
2690	58 RIXS CREEK LANE RIXS CREEK	Residential	60	55	47.8	46.5	48.3	46.4	0.5	-0.1	No	No	No	No		
2691	58 RIXS CREEK LANE RIXS CREEK	Residential	60	55	49.0	47.9	49.7	47.8	0.7	-0.1	No	No	No	No		
2692	5066 NEW ENGLAND HIGHWAY RIXS CREEK	Residential	59	54	51.0	50.4	53.0	51.0	2.0	0.6	No	No	No	No		
2694	100 GARDNER CIRCUIT SINGLETON HEIGHTS	Residential	55	50	41.5	39.5	42.7	40.6	1.2	1.1	No	No	No	No		
2697	92 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	40.5	38.4	41.9	39.8	1.4	1.4	No	No	No	No		
2698	94 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	40.5	38.3	41.7	39.6	1.2	1.3	No	No	No	No		
2700	96 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	40.5	38.3	41.8	39.7	1.3	1.4	No	No	No	No		
2702	98 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	40.6	38.3	41.8	39.6	1.2	1.3	No	No	No	No		
2703	90 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.6	37.5	40.9	38.7	1.3	1.2	No	No	No	No		
2704	88 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.4	37.2	40.7	38.6	1.3	1.4	No	No	No	No		
2705	86 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.2	37.0	40.6	38.5	1.4	1.5	No	No	No	No		
2706	80 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.2	36.9	40.7	38.5	1.5	1.6	No	No	No	No		
2707	48 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.8	42.8	47.7	45.6	0.9	2.8	No	No	No	No		
2708	47 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	42.2	46.6	44.5	0.8	2.3	No	No	No	No		
2709	49 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	43.1	47.6	45.5	0.6	2.4	No	No	No	No		
2710	51 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	42.6	47.9	45.8	1.2	3.2	No	No	No	No		
2711	53 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	42.6	47.9	45.8	1.4	3.2	No	No	No	No		
2712	46 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.2	43.1	48.5	46.4	1.3	3.3	No	No	No	No		
2714	48 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	42.7	48.2	46.1	1.3	3.4	No	No	No	No		
2717	35 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.0	42.0	46.9	44.8	0.9	2.8	No	No	No	No		
2718	44 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	42.9	47.9	45.8	0.9	2.9	No	No	No	No		
2720	50 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	42.3	47.3	45.2	0.9	2.9	No	No	No	No		
2721	37 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	44.5	40.5	45.2	43.1	0.7	2.6	No	No	No	No		
2722	38 HENRY DRIVE SINGLETON HEIGHTS	Residential	55	50	43.2	39.4	44.3	42.2	1.1	2.8	No	No	No	No		
2723	52 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.0	41.8	47.2	45.1	1.2	3.3	No	No	No	No		
2726	54 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	43.1	39.3	44.6	42.4	1.5	3.1	No	No	No	No		
2727	40 HENRY DRIVE SINGLETON HEIGHTS	Residential	55	50	42.6	38.9	43.3	41.2	0.7	2.3	No	No	No	No		
2728	56 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	42.6	48.0	45.9	1.3	3.3	No	No	No	No		
2729	60 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	43.2	39.3	44.8	42.7	1.6	3.4	No	No	No	No		
2730	62 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	41.3	37.7	42.0	39.9	0.7	2.2	No	No	No	No		
2731	64 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	41.2	37.7	42.3	40.1	1.1	2.4	No	No	No	No		
2732	58 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	41.7	46.4	44.3	0.6	2.6	No	No	No	No		
2733	62 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	42.6	39.0	44.5	42.4	1.9	3.4	No	No	No	No		
2734	3 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	41.2	37.6	42.2	40.1	1.0	2.5	No	No	No	No		
2735	2 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	39.7	36.3	40.9	38.8	1.2	2.5	No	No	No	No		
2736	4 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	42.2	38.5	43.2	41.0	1.0	2.5	No	No	No	No		
2737	1 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	40.0	36.6	41.2	39.0	1.2	2.4	No	No	No	No		
2738	5 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	40.8	37.2	42.1	39.9	1.3	2.7	No	No	No	No		
2739	68 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	41.8	38.5	42.9	40.8	1.1	2.3	No	No	No	No		
2740	6 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	40.2	36.8	41.5	39.3	1.3	2.5	No	No	No	No		
2741	6 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	41.9	38.6	43.0	40.8	1.1	2.2	No	No	No	No		
2742	1 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	41.1	37.7	42.0	39.9	0.9	2.2	No	No	No	No		
2743	7 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	40.5	37.2	41.7	39.6	1.2	2.4	No	No	No	No		
2744	2 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	40.3	37.0	41.5	39.3	1.2	2.3	No	No	No	No		
2745	5 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	42.2	38.8	43.3	41.2	1.1	2.4	No	No	No	No		
2746	1 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	41.7	38.4	42.8	40.6	1.1	2.2	No	No	No	No		
2747	4 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	41.3	38.3	43.0	40.9	1.7	2.6	No	No	No	No		
2748	3 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	40.8	37.6	41.9	39.8	1.1	2.2	No	No	No	No		
2749	2 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	41.1	38.0	42.6	40.4	1.5	2.4	No	No	No	No		
2750	4 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	40.5	37.4	42.0	39.9	1.5	2.5	No	No	No	No		
2751	8 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	41.5	38.3	42.6	40.5	1.1	2.2	No	No	No	No		
2752	3 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	40.5	37.7	42.1	39.9	1.6	2.2	No	No	No	No		
2753	5 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	40.4	37.4	41.8	39.6	1.4	2.2	No	No	No	No		
2754	74 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	40.0	37.4	41.6	39.4	1.6	2.0	No	No	No	No		
2755	7 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	40.5	37.7	42.2	40.0	1.7	2.3	No	No	No	No		
2757	6 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	40.4	37.5	42.0	39.9	1.6	2.4	No	No	No	No		
2758	78 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.4	36.2	40.7	38.6	1.3	2.4	No	No	No	No		
2759	76 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.3	36.9	40.9	38.7	1.6	1.8	No	No	No	No		
2760	78 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	40.0	37.3	41.8	39.7	1.8	2.4	No	No	No	No		
2762	78 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.7	37.1	41.0	38.9	1.3	1.8	No	No	No	No		
2763	82 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.3	36.8	40.6	38.4	1.3	1.6	No	No	No	No		
2764	84 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.6	37.2	40.9	38.7	1.3	1.5	No	No	No	No		
2765	80 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.8	37.3	40.8	38.7	1.0	1.4	No	No	No	No		
2766	5022 NEW ENGLAND HIGHWAY MCDougALLS HILL	Residential	55	50	52.6	50.2	54.6	52.5	2.0	2.3	Yes	No	No	Yes		

Note: * Facade with the greatest change in noise levels

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - Noise Barrier										Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change							
			Day	Night	Day	Night	Day	Night	Day	Night						
1013	53 HAGGARTYS LANE WHITTINGHAM	Residential	60	55	51.1	48.1	50.7	48.1	-0.4	0.0	No	No	No	No		
1015	61 HAGGARTYS LANE WHITTINGHAM	Residential	60	55	49.8	46.8	49.2	46.7	-0.6	-0.1	No	No	No	No		
1020	4245 NEW ENGLAND HIGHWAY WHITTINGHAM	Residential	60	55	61.1	58.1	60.2	57.8	-0.9	-0.3	No	No	No	No		
1023	4244 NEW ENGLAND HIGHWAY WHITTINGHAM	Residential	60	55	68.4	65.4	67.5	65.0	-0.9	-0.4	No	No	No	No		
1027	18 CEMETERY LANE WHITTINGHAM	Residential	60	55	59.7	56.6	59.1	56.5	-0.6	-0.1	No	No	No	No		
1028	28 CEMETERY LANE WHITTINGHAM	Residential	60	55	56.6	53.6	56.6	54.0	0.0	0.4	No	No	No	No		
1029	13 HAGGARTYS LANE WHITTINGHAM	Residential	60	55	57.9	54.9	56.9	54.3	-1.0	-0.6	No	No	No	No		
1031	4253 NEW ENGLAND HIGHWAY WHITTINGHAM	Residential	60	55	74.0	71.0	73.1	70.6	-0.9	-0.4	No	No	No	No		
1032	4 HAGGARTYS LANE WHITTINGHAM	Residential	60	55	69.0	66.0	68.1	65.6	-0.9	-0.4	No	No	No	No		
1041	18 NEWINGTON LANE WHITTINGHAM	Residential	60	55	57.8	54.7	57.9	55.1	0.1	0.4	No	No	No	No		
1049	3 NEWINGTON LANE WHITTINGHAM	Residential	60	55	65.1	62.1	63.1	60.3	-2.0	-1.8	No	Yes	No	Yes		
1051	4339 NEW ENGLAND HIGHWAY WHITTINGHAM	Residential	55	50	55.3	52.3	60.9	58.2	5.6	5.9	Yes	No	No	Yes		
1055	48 MAITLAND ROAD SINGLETON	Residential	60	55	53.1	50.0	51.8	48.9	-1.3	-1.1	No	No	No	No		
1073	18 ARDERSIER DRIVE SINGLETON	Residential	60	55	48.3	45.4	47.6	44.7	-0.7	-0.7	No	No	No	No		
1075	19 ARDERSIER DRIVE SINGLETON	Residential	60	55	52.6	49.5	51.3	48.3	-1.3	-1.2	No	No	No	No		
1077	17 ARDERSIER DRIVE SINGLETON	Residential	60	55	47.0	43.8	46.3	43.3	-0.7	-0.5	No	No	No	No		
1081	20 ARDERSIER DRIVE SINGLETON	Residential	60	55	52.8	49.7	51.3	48.4	-1.5	-1.3	No	No	No	No		
1083	4403 NEW ENGLAND HIGHWAY SINGLETON	Residential	60	55	67.6	64.6	61.8	58.5	-5.8	-6.1	Yes	No	No	Yes		
1085	16 ARDERSIER DRIVE SINGLETON	Residential	60	55	47.1	43.9	46.2	43.3	-0.9	-0.6	No	No	No	No		
1087	21 ARDERSIER DRIVE SINGLETON	Residential	60	55	53.6	50.5	51.8	48.9	-1.8	-1.6	No	No	No	No		
1089	15 ARDERSIER DRIVE SINGLETON	Residential	59	55	45.8	42.7	45.7	42.7	-0.1	0.0	No	No	No	No		
1091	14 ARDERSIER DRIVE SINGLETON	Residential	58	55	45.1	41.9	44.5	41.7	-0.6	-0.2	No	No	No	No		
1093	22 ARDERSIER DRIVE SINGLETON	Residential	60	55	54.4	51.3	52.4	49.4	-2.0	-1.9	No	No	No	No		
1095	11 ARDERSIER DRIVE SINGLETON	Residential	58	55	44.7	41.4	44.1	41.2	-0.6	-0.2	No	No	No	No		
1099	23 ARDERSIER DRIVE SINGLETON	Residential	60	55	55.0	51.9	52.8	49.9	-2.2	-2.0	No	No	No	No		
1101	13 ARDERSIER DRIVE SINGLETON	Residential	59	55	46.3	43.1	45.6	42.8	-0.7	-0.3	No	No	No	No		
1103	9 ARDERSIER DRIVE SINGLETON	Residential	58	55	44.4	41.0	43.4	40.4	-1.0	-0.6	No	No	No	No		
1107	12 ARDERSIER DRIVE SINGLETON	Residential	58	55	45.7	42.4	44.9	42.0	-0.8	-0.4	No	No	No	No		
1109	24 ARDERSIER DRIVE SINGLETON	Residential	60	55	54.7	51.6	52.5	49.5	-2.2	-2.1	No	No	No	No		
1111	8 ARDERSIER DRIVE SINGLETON	Residential	57	54	44.1	40.7	43.2	40.3	-0.9	-0.4	No	No	No	No		
1113	10 ARDERSIER DRIVE SINGLETON	Residential	59	55	45.3	41.9	44.1	41.1	-1.2	-0.8	No	No	No	No		
1115	4 ARDERSIER DRIVE SINGLETON	Residential	57	54	43.6	40.2	42.8	39.9	-0.8	-0.3	No	No	No	No		
1117	25 ARDERSIER DRIVE SINGLETON	Residential	60	55	56.7	53.5	54.0	51.1	-2.7	-2.4	No	No	No	No		
1119	7 ARDERSIER DRIVE SINGLETON	Residential	59	55	46.1	42.6	44.7	41.9	-1.4	-0.7	No	No	No	No		
1121	26 ARDERSIER DRIVE SINGLETON	Residential	60	55	49.7	46.3	47.9	45.0	-1.8	-1.3	No	No	No	No		
1123	3 ARDERSIER DRIVE SINGLETON	Residential	58	55	44.3	40.9	43.5	40.6	-0.8	-0.3	No	No	No	No		
1125	4 ARDERSIER DRIVE SINGLETON	Residential	59	55	45.4	41.9	43.8	40.9	-1.6	-1.0	No	No	No	No		
1129	6 ARDERSIER DRIVE SINGLETON	Residential	60	55	46.4	42.9	45.5	42.7	-0.9	-0.2	No	No	No	No		
1131	27 ARDERSIER DRIVE SINGLETON	Residential	60	55	47.6	44.1	46.2	43.3	-1.4	-0.8	No	No	No	No		
1133	28 ARDERSIER DRIVE SINGLETON	Residential	60	55	48.6	45.0	46.7	43.7	-1.9	-1.3	No	No	No	No		
1135	2 GASLIGHT PLACE SINGLETON	Residential	60	55	55.4	52.1	53.0	50.1	-2.4	-2.0	No	No	No	No		
1137	5 ARDERSIER DRIVE SINGLETON	Residential	60	55	46.9	43.3	45.3	42.4	-1.6	-0.9	No	No	No	No		
1139	28 GREENWOOD AVENUE SINGLETON	Residential	59	55	45.8	42.3	44.7	41.9	-1.1	-0.4	No	No	No	No		
1141	3 ARDERSIER DRIVE SINGLETON	Residential	59	55	45.7	42.2	43.9	40.9	-1.8	-1.3	No	No	No	No		
1147	24 GREENWOOD AVENUE SINGLETON	Residential	57	54	43.9	40.5	43.6	40.7	-0.3	0.2	No	No	No	No		
1149	7 GASLIGHT PLACE SINGLETON	Residential	60	55	47.4	43.9	46.7	43.8	-0.7	-0.1	No	No	No	No		
1151	3 GASLIGHT PLACE SINGLETON	Residential	60	55	53.7	50.2	51.4	48.5	-2.3	-1.7	No	No	No	No		
1155	3 ARDERSIER DRIVE SINGLETON	Residential	59	55	45.4	41.9	44.5	41.5	-0.9	-0.4	No	No	No	No		
1159	22 GREENWOOD AVENUE SINGLETON	Residential	60	55	46.3	42.7	44.8	41.9	-1.5	-0.8	No	No	No	No		
1161	6 GASLIGHT PLACE SINGLETON	Residential	60	55	49.4	45.8	47.8	44.9	-1.6	-0.9	No	No	No	No		
1163	2 ARDERSIER DRIVE SINGLETON	Residential	60	55	47.2	43.6	45.6	42.7	-1.6	-0.9	No	No	No	No		
1165	48 MAITLAND ROAD SINGLETON	Residential	60	55	59.4	56.1	56.3	53.3	-3.1	-2.8	No	No	No	No		
1167	1 ARDERSIER DRIVE SINGLETON	Residential	60	55	47.4	43.8	45.4	42.4	-2.0	-1.4	No	No	No	No		
1169	30 ARDERSIER DRIVE SINGLETON	Residential	60	55	50.5	46.9	48.7	45.8	-1.8	-1.1	No	No	No	No		
1171	20 GREENWOOD AVENUE SINGLETON	Residential	60	55	46.5	42.9	44.3	41.4	-2.2	-1.5	No	No	No	No		
1173	18 GREENWOOD AVENUE SINGLETON	Residential	60	55	46.4	42.8	44.9	42.0	-1.5	-0.8	No	No	No	No		
1177	16 GREENWOOD AVENUE SINGLETON	Residential	60	55	46.1	42.5	44.7	41.8	-1.4	-0.7	No	No	No	No		
1179	31 ARDERSIER DRIVE SINGLETON	Residential	60	55	52.8	49.1	50.3	47.4	-2.5	-1.7	No	No	No	No		
1181	4 GASLIGHT PLACE SINGLETON	Residential	60	55	55.1	51.4	52.5	49.6	-2.6	-1.8	No	No	No	No		
1183	34 ARDERSIER DRIVE SINGLETON	Residential	60	55	51.2	47.6	49.0	46.1	-2.2	-1.5	No	No	No	No		
1185	33 ARDERSIER DRIVE SINGLETON	Residential	60	55	50.1	46.5	48.2	45.2	-1.9	-1.3	No	No	No	No		
1187	14 GREENWOOD AVENUE SINGLETON	Residential	60	55	47.5	43.9	45.7	42.7	-1.8	-1.2	No	No	No	No		
1189	32 ARDERSIER DRIVE SINGLETON	Residential	60	55	52.4	48.6	49.8	46.9	-2.6	-1.7	No	No	No	No		
1191	35 ARDERSIER DRIVE SINGLETON	Residential	60	55	51.2	47.6	48.9	46.0	-2.3	-1.6	No	No	No	No		
1193	19 GREENWOOD AVENUE SINGLETON	Residential	60	55	54.3	50.6	51.5	48.6	-2.8	-2.0	No	No	No	No		
1195	12 GREENWOOD AVENUE SINGLETON	Residential	60	55	51.4	47.7	48.5	45.5	-2.9	-2.2	No	No	No	No		
1207	15 GREENWOOD AVENUE SINGLETON	Residential	60	55	52.4	48.7	49.8	46.9	-2.6	-1.8	No	No	No	No		
1211	9 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	64.6	61.0	61.1	58.0	-3.5	-3.0	No	No	No	No		
1213	40 MAITLAND ROAD SINGLETON	Residential	60	55	65.9	62.2	62.3	59.4	-3.6	-2.8	No	No	No	No		
1215	8 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	66.3	62.6	62.6	59.6	-3.7	-3.0	No	No	No	No		
1219	11 GREENWOOD AVENUE SINGLETON	Residential	60	55	56.3	52.6	53.0	50.1	-3.3	-2.5	No	No	No	No		
1221	7 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	66.3	62.6	62.6	59.6	-3.7	-3.0	No	No	No	No		
1225	6 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	67.1	63.4	63.5	60.5	-3.6	-2.9	No	No	No	No		
1229	10 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	55.9	52.5	53.3	50.4	-2.6	-2.1	No	No	No	No		
1231	36 MAITLAND ROAD SINGLETON	Residential	60	55	68.4	64.7	64.8	61.8	-3.6	-2.9	No	No	No	No		
1233	34 MAITLAND ROAD SINGLETON	Residential	60	55	66.9	63.1	63.3	60.3	-3.6	-2.8	No	No	No	No		
1235	35B WADDELLS LANE WHITTINGHAM	Residential	55	50	50.0	46.9	61.9	59.4	11.9	12.5	Yes	No	No	Yes		
1237	30 MAITLAND ROAD SINGLETON	Residential	60	55	68.8	65.0	65.2	62.2	-3.6	-2.8	No	No	No	No		
1239	5 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	56.2	52.6	53.5	50.6	-2.7	-2.0	No	No	No	No		
1241	12 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	54.2	50.8	52.3	49.4	-1.9	-1.4	No	No	No	No		
1243	32 MAITLAND ROAD SINGLETON	Residential	60	55	68.5	64.8	65.0	62.0	-3.5	-2.8	No	No	No	No		
1245	4 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	62.0	58.3	58.5	55.5	-3.5	-2.8	No	No	No	No		
1247	13 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	53.1	49.8	51.8	48.9	-1.3	-0.9	No	No	No	No		
1251	2 FERGUSON CLOSE SINGLETON	Residential	60	55	53.9	50.2	50.6	47.7	-3.3	-2.5	No	No	No	No		
1253	1 FERGUSON CLOSE SINGLETON	Residential	60	55	57.0	53.3	53.6	50.7	-3.4	-2.6	No	No	No	No		
1255	14 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	52.3	49.0	51.3	48.4	-1.0	-0.6	No	No	No	No		
1257	109-129 KELSO STREET SINGLETON	School	52.5	100	53.5	45.7	51.9	49.2	-1.6	3.5	No	No	No	No		
1259	15 TOWNHEAD CRESCENT SINGLETON	Residential	55	50	51.5	48.1	50.8	48.0	-0.7	-0.1	No	No	No	No		
1261	3 FERGUSON CLOSE SINGLETON	Residential	60	55	53.7	49.9	50.4	47.4	-3.3	-2.5	No	No	No	No		
1263	2 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	56.7	53.0	53.2	50.2	-3.5	-2.8	No	No	No	No		
1265	16 TOWNHEAD CRESCENT SINGLETON	Residential	55	50	50.8	47.4	50.5	47.7	-0.3	0.3	No	No	No	No		
1267	4 FERGUSON CLOSE SINGLETON	Residential	60	55	51.6	47.9	48.5	45.5	-3.1	-2.4	No	No	No	No		

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - Noise Barrier								Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change					
			Day	Night	Day	Night	Day	Night	Day	Night				
1269	5 FERGUSON CLOSE SINGLETON	Residential	60	55	52.1	48.4	49.2	46.2	-2.9	-2.2	No	No	No	No
1271	1 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	54.1	50.4	50.8	47.8	-3.3	-2.6	No	No	No	No
1273	109-129 KELSO STREET SINGLETON	School	52.5	100	42.9	39.4	47.8	45.2	4.9	5.8	No	No	No	No
1275	109-129 KELSO STREET SINGLETON	School	52.5	100	47.9	44.8	51.6	49.0	3.7	4.2	No	No	No	No
1277	109-129 KELSO STREET SINGLETON	School	52.5	100	48.9	45.3	47.6	44.8	-1.3	-0.5	No	No	No	No
1279	17 TOWNHEAD CRESCENT SINGLETON	Residential	55	50	50.0	46.7	49.8	47.1	-0.2	0.4	No	No	No	No
1281	109-129 KELSO STREET SINGLETON	School	52.5	100	44.7	41.4	49.7	47.1	5.0	5.7	No	No	No	No
1283	109-129 KELSO STREET SINGLETON	School	52.5	100	44.5	41.1	46.0	43.3	1.5	2.2	No	No	No	No
1285	109-129 KELSO STREET SINGLETON	School	52.5	100	44.3	38.5	45.7	43.0	1.4	4.5	No	No	No	No
1287	109-129 KELSO STREET SINGLETON	School	52.5	100	41.4	38.0	46.0	43.3	4.6	5.3	No	No	No	No
1289	20 WATERHOUSE AVENUE SINGLETON	Residential	60	55	54.5	51.0	51.3	48.4	-3.2	-2.6	No	No	No	No
1291	22 WATERHOUSE AVENUE SINGLETON	Residential	60	55	52.0	48.3	49.1	46.1	-2.9	-2.2	No	No	No	No
1293	24 WATERHOUSE AVENUE SINGLETON	Residential	60	55	50.2	46.5	48.0	45.1	-2.2	-1.4	No	No	No	No
1295	26 WATERHOUSE AVENUE SINGLETON	Residential	60	55	49.4	45.7	47.4	44.5	-2.0	-1.2	No	No	No	No
1297	28 WATERHOUSE AVENUE SINGLETON	Residential	60	55	48.8	45.1	47.0	44.1	-1.8	-1.0	No	No	No	No
1299	30 WATERHOUSE AVENUE SINGLETON	Residential	60	55	48.0	44.4	46.6	43.8	-1.4	-0.6	No	No	No	No
1301	32 WATERHOUSE AVENUE SINGLETON	Residential	55	50	49.3	46.0	49.1	46.4	-0.2	0.4	No	No	No	No
1303	19 WATERHOUSE AVENUE SINGLETON	Residential	60	55	53.9	50.2	50.9	47.9	-3.0	-2.3	No	No	No	No
1305	109-129 KELSO STREET SINGLETON	School	52.5	100	44.3	41.2	48.0	45.3	3.7	4.1	No	No	No	No
1307	109-129 KELSO STREET SINGLETON	School	52.5	100	47.3	44.3	51.4	48.8	4.1	4.5	No	No	No	No
1309	17 WATERHOUSE AVENUE SINGLETON	Residential	60	55	53.9	50.2	50.4	47.5	-3.5	-2.7	No	No	No	No
1311	21 WATERHOUSE AVENUE SINGLETON	Residential	60	55	52.8	49.1	49.9	46.9	-2.9	-2.2	No	No	No	No
1313	23 WATERHOUSE AVENUE SINGLETON	Residential	60	55	50.4	46.8	48.0	45.0	-2.4	-1.8	No	No	No	No
1315	25 WATERHOUSE AVENUE SINGLETON	Residential	60	55	49.5	45.9	47.5	44.7	-2.0	-1.2	No	No	No	No
1317	21 WATERHOUSE AVENUE SINGLETON	Residential	60	55	46.8	43.1	45.8	43.0	-1.0	-0.1	No	No	No	No
1319	21 WATERHOUSE AVENUE SINGLETON	Residential	60	55	48.0	44.3	45.7	42.8	-2.3	-1.5	No	No	No	No
1320	72 KELSO STREET SINGLETON	Residential	60	55	49.4	46.0	48.3	45.4	-1.1	-0.6	No	No	No	No
1321	29 WATERHOUSE AVENUE SINGLETON	Residential	60	55	48.0	44.4	47.2	44.4	-0.8	0.0	No	No	No	No
1322	31 WATERHOUSE AVENUE SINGLETON	Residential	55	50	47.8	44.3	47.7	44.9	-0.1	0.6	No	No	No	No
1323	27 WATERHOUSE AVENUE SINGLETON	Residential	60	55	47.7	44.0	46.6	43.7	-1.1	-0.3	No	No	No	No
1324	70 KELSO STREET SINGLETON	Residential	55	50	47.4	44.1	47.8	45.0	0.4	0.9	No	No	No	No
1325	2 ELLEN AVENUE SINGLETON	Residential	60	55	49.1	45.6	47.8	44.9	-1.3	-0.7	No	No	No	No
1326	12 TULLOCH CLOSE SINGLETON	Residential	60	55	50.6	46.9	47.5	44.5	-3.1	-2.4	No	No	No	No
1327	9 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	47.1	43.5	45.9	43.0	-1.2	-0.5	No	No	No	No
1328	6 ELLEN AVENUE SINGLETON	Residential	60	55	47.2	43.8	46.2	43.3	-1.0	-0.5	No	No	No	No
1329	4 ELLEN AVENUE SINGLETON	Residential	60	55	48.3	44.8	47.1	44.1	-1.2	-0.7	No	No	No	No
1330	11 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	47.2	43.6	45.1	42.3	-2.1	-1.3	No	No	No	No
1331	7 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	46.8	43.1	45.6	42.7	-1.2	-0.4	No	No	No	No
1332	8 ELLEN AVENUE SINGLETON	Residential	55	50	49.2	45.7	48.8	45.9	-0.4	0.2	No	No	No	No
1333	10 ELLEN AVENUE SINGLETON	Residential	55	50	48.4	45.0	48.6	45.9	0.2	0.9	No	No	No	No
1334	5 BRITTLIFFE CLOSE SINGLETON	Residential	58	55	44.6	41.0	44.7	41.9	0.1	0.9	No	No	No	No
1335	68 KELSO STREET SINGLETON	Residential	55	50	47.1	43.8	47.1	44.3	0.0	0.5	No	No	No	No
1336	14 ELLEN AVENUE SINGLETON	Residential	55	50	49.9	46.7	50.9	48.3	1.0	1.6	No	No	No	No
1337	12 ELLEN AVENUE SINGLETON	Residential	55	50	47.3	44.2	49.0	46.2	1.7	2.0	No	No	No	No
1338	1 BRITTLIFFE CLOSE SINGLETON	Residential	59	55	45.8	42.4	44.7	41.9	-1.1	-0.5	No	No	No	No
1339	3 BRITTLIFFE CLOSE SINGLETON	Residential	59	55	45.7	42.2	45.2	42.3	-0.5	0.1	No	No	No	No
1340	16 ELLEN AVENUE SINGLETON	Residential	55	50	48.6	45.5	51.7	49.1	3.1	3.6	No	No	No	No
1341	66 KELSO STREET SINGLETON	Residential	55	50	45.8	42.5	46.3	43.4	0.5	0.9	No	No	No	No
1343	10 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	47.8	44.2	46.3	43.4	-1.5	-0.8	No	No	No	No
1344	3 ELLEN AVENUE SINGLETON	Residential	55	50	42.3	39.0	45.2	42.5	2.9	3.5	No	No	No	No
1345	1 ELLEN AVENUE SINGLETON	Residential	55	50	46.1	42.6	45.6	42.7	-0.5	0.1	No	No	No	No
1346	8 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	47.0	43.4	45.7	42.9	-1.3	-0.5	No	No	No	No
1347	6 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	46.8	43.2	45.6	42.7	-1.2	-0.5	No	No	No	No
1348	4 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	46.2	42.6	45.2	42.4	-1.0	-0.2	No	No	No	No
1349	103 KELSO STREET SINGLETON	Residential	58	55	44.3	40.7	44.2	41.3	-0.1	0.6	No	No	No	No
1351	5 ELLEN AVENUE SINGLETON	Residential	55	50	43.7	40.2	45.9	43.2	2.2	3.0	No	No	No	No
1352	2 BRITTLIFFE CLOSE SINGLETON	Residential	59	55	46.1	42.5	45.5	42.7	-0.6	0.2	No	No	No	No
1353	64 KELSO STREET SINGLETON	Residential	60	55	47.3	43.9	46.2	43.3	-1.1	-0.6	No	No	No	No
1354	7 ELLEN AVENUE SINGLETON	Residential	55	50	45.3	42.3	50.6	48.0	5.3	5.7	No	No	No	No
1355	101 KELSO STREET SINGLETON	Residential	55	50	42.4	39.0	45.2	42.4	2.8	3.4	No	No	No	No
1356	39 ADA STREET SINGLETON	Residential	55	50	44.0	40.9	47.6	44.9	3.6	4.0	No	No	No	No
1357	44 ADA STREET SINGLETON	Residential	55	50	41.8	38.6	45.0	42.2	3.2	3.6	No	No	No	No
1358	50 ORCHARD AVENUE SINGLETON	Residential	60	55	47.8	44.1	46.3	43.4	-1.5	-0.7	No	No	No	No
1359	62 KELSO STREET SINGLETON	Residential	55	50	44.3	40.9	45.8	43.1	1.5	2.2	No	No	No	No
1360	99 KELSO STREET SINGLETON	Residential	55	50	43.0	39.6	45.2	42.5	2.2	2.9	No	No	No	No
1361	35B WADDELLS LANE SINGLETON	Residential	55	50	46.4	43.4	53.7	51.1	7.3	7.7	Yes	No	No	Yes
1362	12 WADDELLS AVENUE SINGLETON	Residential	55	50	47.4	44.3	51.1	48.4	3.7	4.1	No	No	No	No
1363	37 ADA STREET SINGLETON	Residential	55	50	44.0	40.9	47.9	45.3	3.9	4.4	No	No	No	No
1364	42 ADA STREET SINGLETON	Residential	55	50	42.2	38.9	45.2	42.4	3.0	3.5	No	No	No	No
1365	52 ORCHARD AVENUE SINGLETON	Residential	60	55	46.6	43.1	45.5	42.6	-1.1	-0.5	No	No	No	No
1366	54 ORCHARD AVENUE SINGLETON	Residential	60	55	46.5	43.0	45.0	42.1	-1.5	-0.9	No	No	No	No
1367	60 KELSO STREET SINGLETON	Residential	55	50	44.1	40.8	46.0	43.3	1.9	2.5	No	No	No	No
1368	35 ADA STREET SINGLETON	Residential	55	50	43.5	40.4	48.4	45.7	4.9	5.3	No	No	No	No
1369	10 WADDELLS AVENUE SINGLETON	Residential	55	50	47.3	44.2	51.0	48.4	3.7	4.2	No	No	No	No
1370	40 ADA STREET SINGLETON	Residential	55	50	41.8	38.6	45.6	42.8	3.8	4.2	No	No	No	No
1371	97 KELSO STREET SINGLETON	Residential	55	50	42.5	39.2	45.2	42.4	2.7	3.2	No	No	No	No
1372	95 KELSO STREET SINGLETON	Residential	55	50	42.6	39.3	45.3	42.5	2.7	3.2	No	No	No	No
1373	8 WADDELLS AVENUE SINGLETON	Residential	55	50	45.0	41.9	50.3	47.7	5.3	5.8	No	No	No	No
1374	47 ORCHARD AVENUE SINGLETON	Residential	60	55	47.2	43.6	46.1	43.2	-1.1	-0.4	No	No	No	No
1375	33 ADA STREET SINGLETON	Residential	55	50	41.5	38.2	45.5	42.8	4.0	4.6	No	No	No	No
1376	38 ADA STREET SINGLETON	Residential	54	50	40.9	37.7	45.8	43.1	4.9	5.4	No	No	No	No
1377	49 ORCHARD AVENUE SINGLETON	Residential	60	55	46.7	43.0	45.6	42.7	-1.1	-0.3	No	No	No	No
1378	51 ORCHARD AVENUE SINGLETON	Residential	60	55	46.3	42.7	45.4	42.6	-0.9	-0.1	No	No	No	No
1379	58 KELSO STREET SINGLETON	Residential	55	50	46.0	42.4	45.5	42.7	-0.5	0.3	No	No	No	No
1380	6 WADDELLS AVENUE SINGLETON	Residential	55	50	45.4	42.3	50.4	47.8	5.0	5.5	No	No	No	No
1381	63 BUCHAN AVENUE SINGLETON	Residential	60	55	48.0	44.4	46.0	43.0	-2.0	-1.4	No	No	No	No
1382	36 ADA STREET SINGLETON	Residential	54	50	41.2	37.9	46.8	44.1	5.6	6.2	No	No	No	No
1383	4 WADDELLS AVENUE SINGLETON	Residential	55	50	44.6	41.6	50.2	47.6	5.6	6.0	No	No	No	No
1384	31 ADA STREET SINGLETON	Residential	55	50	41.8	38.6	46.6	43.9	4.8	5.3	No	No	No	No
1385	61 BUCHAN AVENUE SINGLETON	Residential	60	55	46.8	43.0	45.1	42.2	-1.7	-0.8	No	No	No	No
1386	56 KELSO STREET SINGLETON	Residential	55	50	42.9	39.6	45.4	42.6	2.5	3.0	No	No	No	No
1387	59 BUCHAN AVENUE SINGLETON	Residential	60	50	47.5	38.8	45.3	42.4	-2.2	3.6	No	No	No	No

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - Noise Barrier									Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change						
			Day	Night	Day	Night	Day	Night	Day	Night					
1388	85 KELSO STREET SINGLETON	Residential	53	50	40.1	36.7	43.4	40.7	3.3	4.0	No	No	No	No	
1389	2 WADDELLS AVENUE SINGLETON	Residential	55	50	44.6	41.5	50.0	47.4	5.4	5.9	No	No	No	No	
1390	85 KELSO STREET SINGLETON	Residential	54	50	41.2	38.0	47.2	44.6	6.0	6.6	No	No	No	No	
1391	54 KELSO STREET SINGLETON	Residential	55	50	42.6	39.3	45.2	42.4	2.6	3.1	No	No	No	No	
1392	57 BUCHAN AVENUE SINGLETON	Residential	55	50	42.0	38.6	45.2	42.5	3.2	3.9	No	No	No	No	
1393	55 BUCHAN AVENUE SINGLETON	Residential	53	50	40.4	37.1	45.0	42.3	4.6	5.2	No	No	No	No	
1394	52 KELSO STREET SINGLETON	Residential	55	50	43.0	39.7	45.3	42.6	2.3	2.9	No	No	No	No	
1395	85 KELSO STREET SINGLETON	Residential	55	50	43.4	39.9	44.0	41.1	0.6	1.2	No	No	No	No	
1396	50 KELSO STREET SINGLETON	Residential	55	50	42.3	39.0	45.4	42.6	3.1	3.6	No	No	No	No	
1397	83 KELSO STREET SINGLETON	Residential	52	49	39.3	35.9	44.7	42.0	5.4	6.1	No	No	No	No	
1398	83 KELSO STREET SINGLETON	Residential	55	50	41.6	38.4	47.4	44.7	5.8	6.3	No	No	No	No	
1399	46 KELSO STREET SINGLETON	Residential	55	50	41.6	38.4	45.4	42.7	3.8	4.3	No	No	No	No	
1400	81 KELSO STREET SINGLETON	Residential	53	50	40.0	36.6	46.4	43.8	6.4	7.2	No	No	No	No	
1401	44 KELSO STREET SINGLETON	Residential	54	50	41.2	37.9	45.2	42.5	4.0	4.6	No	No	No	No	
1402	79 KELSO STREET SINGLETON	Residential	55	50	41.6	38.3	47.1	44.4	5.5	6.1	No	No	No	No	
1403	42 KELSO STREET SINGLETON	Residential	55	50	41.8	38.4	45.5	42.8	3.7	4.4	No	No	No	No	
1404	77 KELSO STREET SINGLETON	Residential	55	50	42.4	39.1	47.1	44.5	4.7	5.4	No	No	No	No	
1405	75 KELSO STREET SINGLETON	Residential	53	50	39.9	36.6	45.0	42.3	5.1	5.7	No	No	No	No	
1406	40 KELSO STREET SINGLETON	Residential	55	50	41.6	38.3	45.3	42.6	3.7	4.3	No	No	No	No	
1407	38 KELSO STREET SINGLETON	Residential	54	50	41.2	37.9	45.3	42.6	4.1	4.7	No	No	No	No	
1409	36 KELSO STREET SINGLETON	Residential	54	50	40.9	37.6	45.1	42.4	4.2	4.8	No	No	No	No	
1410	73 KELSO STREET SINGLETON	Residential	52	49	39.1	35.5	45.0	42.3	5.9	6.8	No	No	No	No	
1411	16 ADA STREET SINGLETON	Residential	55	50	42.9	39.7	48.0	45.4	5.1	5.7	No	No	No	No	
1412	71 KELSO STREET SINGLETON	Residential	53	50	39.4	36.1	45.8	43.1	6.4	7.0	No	No	No	No	
1413	34 KELSO STREET SINGLETON	Residential	54	50	40.6	37.4	45.1	42.4	4.5	5.0	No	No	No	No	
1414	14 ADA STREET SINGLETON	Residential	55	50	43.0	39.8	47.7	45.1	4.7	5.3	No	No	No	No	
1415	69 KELSO STREET SINGLETON	Residential	54	50	41.2	37.9	46.3	43.6	5.1	5.7	No	No	No	No	
1416	13 ADA STREET SINGLETON	Residential	55	50	43.0	39.9	48.9	46.3	5.9	6.4	No	No	No	No	
1417	2 DEAKIN AVENUE SINGLETON	Residential	59	50	45.4	36.1	44.6	41.8	-0.8	5.7	No	No	No	No	
1418	12 ADA STREET SINGLETON	Residential	54	50	41.0	37.6	46.3	43.6	5.3	6.0	No	No	No	No	
1419	32A KELSO STREET SINGLETON	Residential	54	50	41.3	38.0	45.3	42.6	4.0	4.6	No	No	No	No	
1420	67 KELSO STREET SINGLETON	Residential	53	50	39.8	36.5	46.2	43.5	6.4	7.0	No	No	No	No	
1421	12 ADA STREET SINGLETON	Residential	53	50	39.6	36.3	45.4	42.7	5.8	6.4	No	No	No	No	
1422	11 ADA STREET SINGLETON	Residential	54	50	41.3	38.1	48.7	46.1	7.4	8.0	No	No	No	No	
1424	65 KELSO STREET SINGLETON	Residential	54	50	41.2	38.0	46.5	43.8	5.3	5.8	No	No	No	No	
1425	10 ADA STREET SINGLETON	Residential	55	50	41.9	38.8	47.3	44.6	5.4	5.8	No	No	No	No	
1426	9 ADA STREET SINGLETON	Residential	55	50	42.1	38.9	48.6	46.0	6.5	7.1	No	No	No	No	
1427	8 ADA STREET SINGLETON	Residential	54	50	41.4	38.3	47.0	44.4	5.6	6.1	No	No	No	No	
1428	15 ADA STREET SINGLETON	Residential	55	50	41.8	38.7	51.8	49.3	10.0	10.6	No	Yes	Yes	Yes	
1428	15 ADA STREET SINGLETON*	Residential	49	46	36.4	33.1	50.5	47.9	14.1	14.8	No	Yes	Yes	Yes	
1429	63 KELSO STREET SINGLETON	Residential	51	48	37.6	34.3	44.2	41.5	6.6	7.2	No	No	No	No	
1431	30 KELSO STREET SINGLETON	Residential	54	50	40.9	37.5	45.3	42.5	4.4	5.0	No	No	No	No	
1432	6 ADA STREET SINGLETON	Residential	54	50	40.8	37.7	46.0	43.4	5.2	5.7	No	No	No	No	
1433	4 ADA STREET SINGLETON	Residential	53	50	40.3	36.9	44.6	41.8	4.3	4.9	No	No	No	No	
1434	61 KELSO STREET SINGLETON	Residential	53	50	40.5	37.2	44.2	41.5	3.7	4.3	No	No	No	No	
1436	7 ADA STREET SINGLETON	Residential	55	50	41.7	38.6	48.2	45.6	6.5	7.0	No	No	No	No	
1437	4 ADA STREET SINGLETON	Residential	54	50	41.4	38.1	45.8	43.1	4.4	5.0	No	No	No	No	
1439	26 KELSO STREET SINGLETON	Residential	54	50	40.9	37.6	45.4	42.7	4.5	5.1	No	No	No	No	
1440	2 ADA STREET SINGLETON	Residential	53	50	40.5	37.3	45.7	43.0	5.2	5.7	No	No	No	No	
1441	5 ADA STREET SINGLETON	Residential	55	50	42.1	38.9	48.3	45.7	6.2	6.8	No	No	No	No	
1442	59 KELSO STREET SINGLETON	Residential	52	49	38.9	35.6	44.7	42.0	5.8	6.4	No	No	No	No	
1443	3 ADA STREET SINGLETON	Residential	51	48	37.9	34.7	47.1	44.5	9.2	9.8	No	No	No	No	
1444	57 KELSO STREET SINGLETON	Residential	53	50	39.7	36.4	45.0	42.3	5.3	5.9	No	No	No	No	
1445	6 BOND STREET SINGLETON	Residential	55	50	42.5	38.9	44.4	41.6	1.9	2.7	No	No	No	No	
1446	1A ADA STREET SINGLETON	Residential	53	50	40.6	37.5	47.8	45.2	7.2	7.7	No	No	No	No	
1447	4 BOND STREET SINGLETON	Residential	55	50	42.4	38.9	45.1	42.4	2.7	3.5	No	No	No	No	
1448	55 KELSO STREET SINGLETON	Residential	51	48	38.4	35.0	45.1	42.4	6.7	7.4	No	No	No	No	
1449	2 BOND STREET SINGLETON	Residential	53	50	40.1	36.8	46.1	43.5	6.0	6.7	No	No	No	No	
1452	53 KELSO STREET SINGLETON	Residential	51	48	38.6	35.4	45.0	42.3	6.4	6.9	No	No	No	No	
1454	51 KELSO STREET SINGLETON	Residential	52	49	39.0	35.8	45.0	42.3	6.0	6.5	No	No	No	No	
1455	1 ADA STREET SINGLETON	Residential	55	50	42.5	39.4	50.0	47.4	7.5	8.0	No	Yes	Yes	Yes	
1455	1 ADA STREET SINGLETON*	Residential	49	46	35.9	32.5	49.0	46.4	13.1	13.9	No	Yes	Yes	Yes	
1456	2 ROSE AVENUE SINGLETON	Residential	55	50	43.6	40.2	47.0	44.3	3.4	4.1	No	No	No	No	
1457	40 ANDREW STREET SINGLETON	Residential	52	49	39.4	36.1	45.6	42.9	6.2	6.8	No	No	No	No	
1458	6 ROSE AVENUE SINGLETON	Residential	55	50	44.3	40.9	47.4	44.7	3.1	3.8	No	No	No	No	
1459	4 ROSE AVENUE SINGLETON	Residential	55	50	43.1	39.8	45.7	43.0	2.6	3.2	No	No	No	No	
1460	38 ANDREW STREET SINGLETON	Residential	50	46	36.6	33.3	45.0	42.3	8.4	9.0	No	No	No	No	
1462	10 ROSE AVENUE SINGLETON	Residential	55	50	44.8	41.4	47.2	44.6	2.4	3.2	No	No	No	No	
1463	8 ROSE AVENUE SINGLETON	Residential	55	50	43.7	40.4	47.0	44.3	3.3	3.9	No	No	No	No	
1464	36 ANDREW STREET SINGLETON	Residential	49	46	36.4	33.0	45.1	42.4	8.7	9.4	No	No	No	No	
1465	12 ROSE AVENUE SINGLETON	Residential	55	50	45.3	41.9	48.2	45.6	2.9	3.7	No	No	No	No	
1466	16 ROSE AVENUE SINGLETON	Residential	55	50	44.4	41.1	47.1	44.4	2.7	3.3	No	No	No	No	
1467	14 ROSE AVENUE SINGLETON	Residential	55	50	44.6	41.2	47.7	45.0	3.1	3.8	No	No	No	No	
1468	18 ROSE AVENUE SINGLETON	Residential	55	50	44.1	40.7	47.5	44.8	3.4	4.1	No	No	No	No	
1469	20 ROSE AVENUE SINGLETON	Residential	53	50	40.0	36.8	47.5	44.8	7.5	8.0	No	No	No	No	
1470	13 RENSHAW AVENUE SINGLETON	Residential	54	50	41.3	38.1	50.3	47.7	9.0	9.6	No	No	No	No	
1471	35 ANDREW STREET SINGLETON	Residential	55	50	42.2	38.7	44.6	41.9	2.4	3.2	No	No	No	No	
1472	3 ROSE AVENUE SINGLETON	Residential	55	50	43.5	40.0	44.8	42.0	1.3	2.0	No	No	No	No	
1473	5 ROSE AVENUE SINGLETON	Residential	55	50	44.4	40.9	45.6	42.8	1.2	1.9	No	No	No	No	
1474	26 VIEW STREET SINGLETON	Residential	55	50	45.0	41.5	46.9	44.2	1.9	2.7	No	No	No	No	
1475	32 ANDREW STREET SINGLETON	Residential	51	48	38.0	34.7	44.8	42.1	6.8	7.4	No	No	No	No	
1476	1 RENSHAW AVENUE SINGLETON	Residential	53	49	39.9	36.7	50.2	47.6	10.3	10.9	No	No	No	No	
1477	32 ANDREW STREET SINGLETON	Residential	51	48	37.8	34.6	44.7	42.0	6.9	7.4	No	No	No	No	
1478	29 VIEW STREET SINGLETON	Residential	53	50	40.8	37.6	48.8	46.2	8.0	8.6	No	No	No	No	
1479	2 RENSHAW AVENUE SINGLETON	Residential	53	50	40.4	37.1	48.6	46.0	8.2	8.9	No	No	No	No	
1480	32 ANDREW STREET SINGLETON	Residential	49	46	36.6	33.3	44.5	41.8	7.9	8.5	No	No	No	No	
1482	33 ANDREW STREET SINGLETON	Residential	52	49	42.5	36.0	44.3	41.5	1.8	5.5	No	No	No	No	
1483	24 VIEW STREET SINGLETON	Residential	53	50	39.9	36.7	46.4	43.8	6.5	7.1	No	No	No	No	
1484	32 ANDREW STREET SINGLETON	Residential	50	47	37.4	34.2	44.5	41.8	7.1	7.6	No	No	No	No	
1486	30 ANDREW STREET SINGLETON	Residential	52	49	38.8	35.5	44.6	41.9	5.8	6.4	No	No	No	No	
1487	27 VIEW STREET SINGLETON	Residential	49	46	36.4	33.1	48.2	45.6	11.8	12.5	No	No	No	No	
1488	4 RENSHAW AVENUE SINGLETON	Residential	52	49	38.9	35.7	48.5	45.9	9.6	10.2	No	No	No	No	

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - Noise Barrier										Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change							
			Day	Night	Day	Night	Day	Night	Day	Night						
1490	6 RENSHAW AVENUE SINGLETON	Residential	52	49	39.2	36.0	48.7	46.1	9.5	10.1	No	No	No	No		
1491	22 VIEW STREET SINGLETON	Residential	49	46	36.3	33.0	45.7	43.0	9.4	10.0	No	No	No	No		
1492	43 KELSO STREET SINGLETON	Residential	52	49	39.2	35.6	44.8	42.1	5.6	6.5	No	No	No	No		
1493	5 RENSHAW AVENUE SINGLETON	Residential	52	49	39.2	36.0	50.0	47.5	10.8	11.5	No	No	No	No		
1494	25 VIEW STREET SINGLETON	Residential	50	46	36.7	33.2	47.8	45.3	11.1	12.1	No	No	No	No		
1495	8 RENSHAW AVENUE SINGLETON	Residential	50	47	36.9	33.6	48.6	46.0	11.7	12.4	No	No	No	No		
1496	20 VIEW STREET SINGLETON	Residential	54	50	41.3	38.1	47.0	44.4	5.7	6.3	No	No	No	No		
1497	7 RENSHAW AVENUE SINGLETON	Residential	52	49	39.2	36.0	49.9	47.4	10.7	11.4	No	No	No	No		
1498	29 ANDREW STREET SINGLETON	Residential	52	49	43.1	35.6	44.4	41.6	1.3	6.0	No	No	No	No		
1499	23 VIEW STREET SINGLETON	Residential	50	47	37.5	34.1	48.5	45.9	11.0	11.8	No	No	No	No		
1500	10 RENSHAW AVENUE SINGLETON	Residential	51	48	38.5	35.3	48.8	46.2	10.3	10.9	No	No	No	No		
1501	36A VICTORIA STREET GLENRIDDING	Residential	53	50	39.9	36.7	53.4	50.8	13.5	14.1	Yes	No	No	Yes		
1502	9 RENSHAW AVENUE SINGLETON	Residential	53	50	40.0	36.8	49.8	47.2	9.8	10.4	No	No	No	No		
1503	18 VIEW STREET SINGLETON	Residential	53	50	40.0	36.9	46.9	44.2	6.9	7.3	No	No	No	No		
1504	21 VIEW STREET SINGLETON	Residential	51	47	37.9	34.6	48.7	46.2	10.8	11.6	No	No	No	No		
1505	28 ANDREW STREET SINGLETON	Residential	52	49	38.9	35.6	44.6	41.8	5.7	6.2	No	No	No	No		
1507	19 VIEW STREET SINGLETON	Residential	47	44	34.3	30.9	48.0	45.5	13.7	14.6	No	Yes	Yes	Yes		
1509	11 RENSHAW AVENUE SINGLETON	Residential	48	45	35.3	31.8	47.0	44.4	11.7	12.6	No	No	No	No		
1511	27 ANDREW STREET SINGLETON	Residential	57	50	43.7	36.5	45.0	42.2	1.3	5.7	No	No	No	No		
1512	16 VIEW STREET SINGLETON	Residential	53	50	40.4	37.2	47.1	44.5	6.7	7.3	No	No	No	No		
1513	26 ANDREW STREET SINGLETON	Residential	53	50	40.0	36.6	45.1	42.4	5.1	5.8	No	No	No	No		
1514	17 VIEW STREET SINGLETON	Residential	53	50	40.4	37.1	49.0	46.4	8.6	9.3	No	No	No	No		
1515	14 RENSHAW AVENUE SINGLETON	Residential	52	49	39.2	35.9	48.7	46.1	9.5	10.2	No	No	No	No		
1516	25 ANDREW STREET SINGLETON	Residential	55	50	44.2	40.6	46.2	43.4	2.0	2.8	No	No	No	No		
1517	14 VIEW STREET SINGLETON	Residential	53	50	40.1	36.9	47.2	44.5	7.1	7.6	No	No	No	No		
1518	22 RENSHAW AVENUE SINGLETON	Residential	52	49	39.7	36.5	50.4	47.8	10.7	11.3	No	Yes	Yes	Yes		
1518	22 RENSHAW AVENUE SINGLETON*	Residential	50	46	37.1	33.6	48.4	45.8	11.3	12.2	No	No	Yes	Yes		
1519	20 RENSHAW AVENUE SINGLETON	Residential	53	50	39.5	36.1	47.7	45.0	8.2	8.9	No	No	No	No		
1520	18 RENSHAW AVENUE SINGLETON	Residential	52	49	39.3	36.0	46.9	44.2	7.6	8.2	No	No	No	No		
1521	15 VIEW STREET SINGLETON	Residential	53	50	40.5	37.2	48.9	46.4	8.4	9.2	No	No	No	No		
1522	23 ANDREW STREET SINGLETON	Residential	52	49	43.8	35.6	45.6	42.8	1.8	7.2	No	No	No	No		
1523	24 ANDREW STREET SINGLETON	Residential	55	50	42.7	39.1	44.6	41.8	1.9	2.7	No	No	No	No		
1525	12 VIEW STREET SINGLETON	Residential	52	49	38.9	35.8	46.0	43.4	7.1	7.6	No	No	No	No		
1526	13 VIEW STREET SINGLETON	Residential	52	48	38.9	35.8	48.8	46.2	9.9	10.4	No	No	No	No		
1527	12 RAILWAY STREET SINGLETON	Residential	52	48	38.9	35.7	49.9	47.3	11.0	11.6	No	No	No	No		
1528	21 ANDREW STREET SINGLETON	Residential	49	46	36.7	33.4	45.1	42.5	8.4	9.1	No	No	No	No		
1529	22 ANDREW STREET SINGLETON	Residential	52	49	39.2	35.9	44.4	41.6	5.2	5.7	No	No	No	No		
1530	20 ANDREW STREET SINGLETON	Residential	51	48	38.4	35.1	44.3	41.6	5.9	6.5	No	No	No	No		
1531	10 VIEW STREET SINGLETON	Residential	52	49	38.9	35.6	46.3	43.6	7.4	8.0	No	No	No	No		
1532	10 RAILWAY STREET SINGLETON	Residential	51	48	38.6	35.1	50.2	47.6	11.6	12.5	No	No	No	No		
1533	11 VIEW STREET SINGLETON	Residential	53	50	40.4	37.2	49.2	46.7	8.8	9.5	No	No	No	No		
1534	19 ANDREW STREET SINGLETON	Residential	51	48	38.6	35.4	45.3	42.6	6.7	7.2	No	No	No	No		
1535	8 VIEW STREET SINGLETON	Residential	53	48	39.9	36.3	46.5	43.8	6.6	7.5	No	No	No	No		
1536	17 ANDREW STREET SINGLETON	Residential	49	46	36.2	32.8	45.1	42.4	8.9	9.6	No	No	No	No		
1537	18 ANDREW STREET SINGLETON	Residential	51	48	38.2	34.9	44.4	41.7	6.2	6.8	No	No	No	No		
1538	8B RAILWAY STREET SINGLETON	Residential	52	49	39.4	36.1	49.3	46.7	9.9	10.6	No	No	No	No		
1539	9 VIEW STREET SINGLETON	Residential	50	47	37.4	34.0	48.6	46.1	11.2	12.1	No	No	No	No		
1540	6 VIEW STREET SINGLETON	Residential	50	47	37.7	34.3	45.9	43.3	8.2	9.0	No	No	No	No		
1542	8 RAILWAY STREET SINGLETON	Residential	51	47	37.9	34.5	49.5	46.9	11.6	12.4	No	Yes	Yes	Yes		
1543	7 VIEW STREET SINGLETON	Residential	49	46	35.8	32.5	48.2	45.6	12.4	13.1	No	No	No	No		
1544	16 ANDREW STREET SINGLETON	Residential	50	47	37.6	34.3	44.9	42.2	7.3	7.9	No	No	No	No		
1545	15 ANDREW STREET SINGLETON	Residential	51	48	38.1	34.8	45.0	42.3	6.9	7.5	No	No	No	No		
1549	2 SCOTT STREET SINGLETON	Residential	50	47	37.9	34.4	49.5	47.0	11.6	12.6	No	Yes	Yes	Yes		
1550	5 VIEW STREET SINGLETON	Residential	52	49	39.6	36.3	49.1	46.5	9.5	10.2	No	No	No	No		
1553	4 VIEW STREET SINGLETON	Residential	49	46	36.2	32.8	45.5	42.9	9.3	10.1	No	No	No	No		
1555	3A VIEW STREET SINGLETON	Residential	50	47	37.2	33.7	48.4	45.9	11.2	12.2	No	No	No	No		
1556	13 ANDREW STREET SINGLETON	Residential	51	48	38.3	34.8	45.3	42.7	7.0	7.9	No	No	No	No		
1558	14A ANDREW STREET SINGLETON	Residential	55	50	42.4	38.7	45.3	42.5	2.9	3.8	No	No	No	No		
1559	2 SCOTT STREET SINGLETON	Residential	51	48	38.8	35.3	49.4	46.9	10.6	11.6	No	No	No	No		
1560	3 VIEW STREET SINGLETON	Residential	50	47	37.7	34.3	49.0	46.4	11.3	12.1	No	No	No	No		
1561	2A VIEW STREET SINGLETON	Residential	49	45	36.0	32.7	46.0	43.3	10.0	10.6	No	No	No	No		
1562	14 ANDREW STREET SINGLETON	Residential	51	48	38.0	34.6	45.1	42.4	7.1	7.8	No	No	No	No		
1563	2 VIEW STREET SINGLETON	Residential	51	48	38.9	35.4	46.9	44.2	8.0	8.8	No	No	No	No		
1564	9-11 ANDREW STREET SINGLETON	Residential	50	46	37.3	33.8	45.1	42.4	7.8	8.6	No	No	No	No		
1565	32-33 VICTORIA STREET GLENRIDDING	Residential	50	47	37.5	34.1	49.2	46.7	11.7	12.6	No	No	No	No		
1566	12 ANDREW STREET SINGLETON	Residential	51	47	37.5	34.0	45.1	42.4	7.6	8.4	No	No	No	No		
1568	68 CHURCH STREET SINGLETON	Residential	50	46	37.2	33.7	45.4	42.7	8.2	9.0	No	No	No	No		
1569	70 CHURCH STREET SINGLETON	Residential	50	47	37.8	34.2	46.7	44.0	8.9	9.8	No	No	No	No		
1570	66 CHURCH STREET SINGLETON	Residential	50	47	37.0	33.6	45.0	42.3	8.0	8.7	No	No	No	No		
1572	55 CHURCH STREET GLENRIDDING	Residential	48	45	35.9	32.4	51.2	48.6	15.3	16.2	No	Yes	Yes	Yes		
1573	64 CHURCH STREET SINGLETON	Residential	49	46	36.8	33.3	44.2	41.5	7.4	8.2	No	No	No	No		
1575	56 CHURCH STREET SINGLETON	Residential	51	47	38.2	34.7	45.1	42.4	6.9	7.7	No	No	No	No		
1576	60 CHURCH STREET SINGLETON	Residential	51	48	38.4	34.9	45.3	42.6	6.9	7.7	No	No	No	No		
1577	62 CHURCH STREET SINGLETON	Residential	51	47	37.9	34.3	44.7	42.0	6.8	7.7	No	No	No	No		
1578	31 VICTORIA STREET GLENRIDDING	Residential	50	46	37.2	33.7	49.7	47.1	12.5	13.4	No	Yes	Yes	Yes		
1580	56 CHURCH STREET SINGLETON	Residential	50	47	38.1	34.5	45.2	42.5	7.1	8.0	No	No	No	No		
1582	47 CHURCH STREET SINGLETON	Residential	51	47	38.2	34.7	48.6	46.0	10.4	11.3	No	No	No	No		
1584	30 VICTORIA STREET GLENRIDDING	Residential	49	46	36.7	33.2	49.0	46.4	12.3	13.2	No	Yes	Yes	Yes		
1585	43 CHURCH STREET SINGLETON	Residential	51	47	38.3	34.8	47.1	44.4	8.8	9.6	No	No	No	No		
1586	45 CHURCH STREET SINGLETON	Residential	52	48	39.2	35.7	47.8	45.1	8.6	9.4	No	No	No	No		
1588	41 CHURCH STREET SINGLETON	Residential	50	47	37.5	33.9	45.1	42.3	7.6	8.4	No	No	No	No		
1589	39A CHURCH STREET SINGLETON	Residential	51	47	38.3	34.8	46.0	43.3	7.7	8.5	No	No	No	No		
1591	29 VICTORIA STREET GLENRIDDING	Residential	50	46	37.4	33.9	49.2	46.5	11.8	12.6	No	Yes	Yes	Yes		
1592	37 CHURCH STREET SINGLETON	Residential	52	49	39.0	35.4	46.0	43.3	7.0	7.9	No	No	No	No		
1593	41 CHURCH STREET SINGLETON	Residential	52	48	39.2	35.6	47.4	44.7	8.2	9.1	No	No	No	No		
1594	35 CHURCH STREET SINGLETON	Residential	50	47	37.9	34.4	45.7	43.0	7.8	8.6	No	No	No	No		
1595	28 VICTORIA STREET GLENRIDDING	Residential	50	47	38.0	34.5	49.1	46.5	11.1	12.0	No	No	No	No		
1597	30 CARRINGTON STREET GLENRIDDING	Residential	51	48	39.0	35.5	51.8	49.3	12.8	13.8	No	Yes	Yes	Yes		
1598	17 KELSO STREET SINGLETON	Residential	51	48	37.9	34.4	45.2	42.5	7.3	8.1	No	No	No	No		
1599	27 VICTORIA STREET GLENRIDDING	Residential	47	44	34.8	31.3	47.9	45.3	13.1	14.0	No	Yes	Yes	Yes		
1600	8 ANDREW STREET SINGLETON	Residential	52	48	38.7	35.1	46.0	43.3	7.3	8.2	No	No	No	No		
1601	26 VICTORIA STREET GLENRIDDING	Residential	51	48	39.0	35.5	49.7	47.1	10.7	11.6	No	No	No	No		

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - Noise Barrier									Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change						
			Day	Night	Day	Night	Day	Night	Day	Night					
1602	6 ANDREW STREET SINGLETON	Residential	50	47	37.4	33.9	45.9	43.2	8.5	9.3	No	No	No	No	
1603	1 ANDREW STREET SINGLETON	Residential	51	48	38.0	34.4	46.9	44.3	8.9	9.9	No	No	No	No	
1605	15 KELSO STREET SINGLETON	Residential	50	47	37.3	33.8	45.5	42.8	8.2	9.0	No	No	No	No	
1606	25 VICTORIA STREET GLENRIDGING	Residential	52	48	39.4	35.8	49.3	46.7	9.9	10.9	No	No	No	No	
1607	13 KELSO STREET SINGLETON	Residential	49	46	36.2	32.7	45.5	42.9	9.3	10.2	No	No	No	No	
1608	11 KELSO STREET SINGLETON	Residential	50	47	37.1	33.6	46.0	43.3	8.9	9.7	No	No	No	No	
1609	23 VICTORIA STREET GLENRIDGING	Residential	51	48	39.0	35.5	49.4	46.8	10.4	11.3	No	No	No	No	
1610	4 ANDREW STREET SINGLETON	Residential	50	47	37.0	33.5	46.0	43.4	9.0	9.9	No	No	No	No	
1611	9 KELSO STREET SINGLETON	Residential	49	46	36.6	33.0	45.6	43.0	9.0	10.0	No	No	No	No	
1614	7 KELSO STREET SINGLETON	Residential	50	47	37.3	33.8	46.0	43.3	8.7	9.5	No	No	No	No	
1615	2 ANDREW STREET SINGLETON	Residential	49	45	35.8	32.3	46.1	43.5	10.3	11.2	No	No	No	No	
1616	5 KELSO STREET SINGLETON	Residential	52	48	38.7	35.2	46.2	43.5	7.5	8.3	No	No	No	No	
1620	3 KELSO STREET SINGLETON	Residential	51	47	37.9	34.4	46.0	43.3	8.1	8.9	No	No	No	No	
1622	10 CROWN STREET GLENRIDGING	Residential	52	48	39.5	36.0	50.9	48.3	11.4	12.3	No	No	Yes	Yes	
1623	35 CARRINGTON STREET GLENRIDGING	Residential	53	49	40.3	36.8	51.2	48.6	10.9	11.8	No	No	Yes	Yes	
1626	48 ARMY CAMP ROAD GLENRIDGING	Residential	55	50	45.7	42.2	54.4	51.8	8.7	9.6	Yes	No	No	Yes	
1630	8 KELSO STREET SINGLETON	Residential	50	47	37.2	33.6	45.9	43.2	8.7	9.6	No	No	No	No	
1633	13 CROWN STREET GLENRIDGING	Residential	54	50	42.1	38.6	53.1	50.5	11.0	11.9	Yes	No	No	Yes	
1634	19 VICTORIA STREET GLENRIDGING	Residential	51	47	38.4	34.9	48.9	46.2	10.5	11.3	No	No	Yes	Yes	
1634	19 VICTORIA STREET GLENRIDGING	Residential	47	44	34.9	31.4	46.5	43.8	11.6	12.4	No	No	Yes	Yes	
1635	9 CROWN STREET GLENRIDGING	Residential	52	48	39.7	36.2	50.7	48.1	11.0	11.9	No	No	Yes	Yes	
1636	33 CARRINGTON STREET GLENRIDGING	Residential	54	50	41.5	38.0	51.4	48.8	9.9	10.8	No	No	Yes	Yes	
1636	33 CARRINGTON STREET GLENRIDGING	Residential	51	47	38.2	34.7	50.0	47.4	11.8	12.7	No	No	Yes	Yes	
1637	16 VICTORIA STREET GLENRIDGING	Residential	52	49	40.1	36.6	50.5	47.9	10.4	11.3	No	No	No	No	
1638	9 ALBERT STREET SINGLETON	Residential	54	50	41.2	37.6	46.2	43.5	5.0	5.9	No	No	No	No	
1639	16 ALBERT STREET SINGLETON	Residential	50	47	37.9	34.4	46.0	43.3	8.1	8.9	No	No	No	No	
1640	18 VICTORIA STREET GLENRIDGING	Residential	53	49	40.4	36.9	48.8	46.2	8.4	9.3	No	No	No	No	
1641	7 ALBERT STREET SINGLETON	Residential	50	46	36.9	33.3	45.6	42.9	8.7	9.6	No	No	No	No	
1642	16 ALBERT STREET SINGLETON	Residential	52	50	41.6	37.9	44.8	42.1	3.2	4.2	No	No	No	No	
1647	5 ALBERT STREET SINGLETON	Residential	54	46	41.2	37.6	45.7	43.0	4.5	5.4	No	No	No	No	
1648	29 CARRINGTON STREET GLENRIDGING	Residential	55	50	42.3	38.8	51.8	49.2	9.5	10.4	No	No	No	No	
1649	13 WYNYARD STREET SINGLETON	Residential	50	47	37.2	33.7	45.3	42.6	8.1	8.9	No	No	No	No	
1650	3 ALBERT STREET SINGLETON	Residential	50	46	37.0	33.5	45.7	43.0	8.7	9.5	No	No	No	No	
1651	13 WYNYARD STREET SINGLETON	Residential	52	49	39.7	36.2	46.8	44.1	7.1	7.9	No	No	No	No	
1653	1A ALBERT STREET SINGLETON	Residential	50	47	37.5	33.9	45.8	43.1	8.3	9.2	No	No	No	No	
1654	12 ALBERT STREET SINGLETON	Residential	51	47	37.9	34.3	45.9	43.2	8.0	8.9	No	No	No	No	
1658	15 VICTORIA STREET GLENRIDGING	Residential	50	47	37.8	34.3	48.0	45.3	10.2	11.0	No	No	No	No	
1659	25 CARRINGTON STREET GLENRIDGING	Residential	55	50	42.8	39.3	51.8	49.3	9.0	10.0	No	No	Yes	Yes	
1659	25 CARRINGTON STREET GLENRIDGING*	Residential	51	47	38.1	34.6	49.5	46.9	11.4	12.3	No	No	Yes	Yes	
1660	10 ALBERT STREET SINGLETON	Residential	51	48	38.2	34.6	46.0	43.3	7.8	8.7	No	No	No	No	
1662	1 ALBERT STREET SINGLETON	Residential	50	47	37.4	33.9	46.2	43.5	8.8	9.6	No	No	No	No	
1664	8 ALBERT STREET SINGLETON	Residential	51	47	37.9	34.3	46.0	43.3	8.1	9.0	No	No	No	No	
1666	4 KELSO STREET SINGLETON	Residential	52	49	39.5	35.9	47.3	44.6	7.8	8.7	No	No	No	No	
1667	2 KELSO STREET SINGLETON	Residential	53	50	41.2	37.7	49.0	46.3	7.8	8.6	No	No	No	No	
1668	3 RAWCLIFFE STREET SINGLETON	Residential	54	50	41.3	37.8	47.5	44.8	6.2	7.0	No	No	No	No	
1671	21 CARRINGTON STREET GLENRIDGING	Residential	55	50	42.7	39.1	51.2	48.6	8.5	9.5	No	No	Yes	Yes	
1671	21 CARRINGTON STREET GLENRIDGING	Residential	49	46	37.3	33.8	49.3	46.7	12.0	12.9	No	No	Yes	Yes	
1672	6 ALBERT STREET SINGLETON	Residential	50	47	37.9	34.3	45.9	43.2	8.0	8.9	No	No	No	No	
1675	19 CARRINGTON STREET GLENRIDGING	Residential	55	50	43.9	40.4	51.3	48.7	7.4	8.3	No	No	Yes	Yes	
1675	19 CARRINGTON STREET GLENRIDGING*	Residential	46	42	33.4	30.0	46.8	44.2	13.4	14.2	No	No	Yes	Yes	
1677	15 CARRINGTON STREET GLENRIDGING	Residential	55	50	44.3	40.8	52.4	49.8	8.1	9.0	No	No	Yes	Yes	
1677	15 CARRINGTON STREET GLENRIDGING*	Residential	55	50	44.3	40.8	52.4	49.8	8.1	9.0	No	No	Yes	Yes	
1678	4 ALBERT STREET SINGLETON	Residential	52	48	39.3	35.7	47.4	44.7	8.1	9.0	No	No	No	No	
1681	7 RAWCLIFFE STREET SINGLETON	Residential	52	48	39.2	35.7	46.7	44.0	7.5	8.3	No	No	No	No	
1682	9 WYNYARD STREET SINGLETON	Residential	55	50	42.5	38.9	46.6	43.9	4.1	5.0	No	No	No	No	
1684	9 WYNYARD STREET SINGLETON	Residential	55	50	42.2	38.6	46.5	43.8	4.3	5.2	No	No	No	No	
1685	13 CARRINGTON STREET GLENRIDGING	Residential	55	50	47.0	43.5	53.4	50.8	6.4	7.3	Yes	No	No	Yes	
1686	9 WYNYARD STREET SINGLETON	Residential	51	48	38.6	35.0	46.6	44.0	8.0	9.0	No	No	No	No	
1687	14 CARRINGTON STREET GLENRIDGING	Residential	55	50	44.2	40.7	52.4	49.7	8.2	9.0	No	No	Yes	Yes	
1687	14 CARRINGTON STREET GLENRIDGING*	Residential	47	44	35.3	31.8	47.2	44.6	11.9	12.8	No	No	Yes	Yes	
1688	12 VICTORIA STREET GLENRIDGING	Residential	55	50	42.6	39.1	50.5	47.9	7.9	8.8	No	No	No	No	
1689	9 WYNYARD STREET SINGLETON	Residential	52	49	39.6	36.1	47.7	45.0	8.1	8.9	No	No	No	No	
1690	75 PUTTY ROAD GLENRIDGING	Residential	60	55	65.7	62.2	68.9	66.5	3.2	4.3	Yes	No	No	Yes	
1692	12 CARRINGTON STREET GLENRIDGING	Residential	55	50	46.1	42.6	52.6	49.9	6.5	7.3	Yes	No	No	Yes	
1693	32 GLENRIDGING ROAD GLENRIDGING	Residential	55	50	56.1	52.6	63.3	60.8	7.2	8.2	Yes	No	No	Yes	
1694	7 RAWCLIFFE STREET SINGLETON	Residential	53	49	40.6	37.1	47.3	44.6	6.7	7.5	No	No	No	No	
1695	10 CARRINGTON STREET GLENRIDGING	Residential	55	50	45.9	42.4	52.3	49.6	6.4	7.2	No	No	Yes	Yes	
1695	10 CARRINGTON STREET GLENRIDGING*	Residential	49	45	36.7	33.2	47.9	45.2	11.2	12.0	No	No	Yes	Yes	
1698	7 CARRINGTON STREET GLENRIDGING	Residential	55	50	45.3	41.8	53.2	50.7	7.9	8.9	Yes	No	No	Yes	
1700	69 BATHURST STREET SINGLETON	Residential	51	48	38.3	34.7	46.8	44.1	8.5	9.4	No	No	No	No	
1701	8 CARRINGTON STREET GLENRIDGING	Residential	55	50	46.9	43.4	53.4	50.7	6.5	7.3	Yes	No	No	Yes	
1703	5 CARRINGTON STREET GLENRIDGING	Residential	55	50	48.0	44.5	54.0	51.4	6.0	6.9	No	No	Yes	Yes	
1703	5 CARRINGTON STREET GLENRIDGING*	Residential	53	49	40.8	37.3	51.5	48.9	10.7	11.6	No	No	Yes	Yes	
1705	8 MUNRO LANE SINGLETON	Residential	54	50	42.1	38.6	49.6	46.9	7.5	8.3	No	No	No	No	
1706	6 CARRINGTON STREET GLENRIDGING	Residential	55	50	49.8	46.3	54.2	51.6	4.4	5.3	Yes	No	No	Yes	
1708	3 CARRINGTON STREET GLENRIDGING	Residential	55	50	54.0	50.5	56.1	53.5	2.1	3.0	Yes	No	No	Yes	
1709	7 WYNYARD STREET SINGLETON	Residential	50	47	37.3	33.8	46.7	44.1	9.4	10.3	No	No	No	No	
1711	9 VICTORIA STREET GLENRIDGING	Residential	55	50	43.6	40.1	49.9	47.2	6.3	7.1	No	No	No	No	
1713	7 WYNYARD STREET SINGLETON	Residential	55	50	41.9	38.3	47.4	44.6	5.5	6.3	No	No	No	No	
1714	8 VICTORIA STREET GLENRIDGING	Residential	55	50	42.5	39.0	49.8	47.2	7.3	8.2	No	No	No	No	
1715	67 BATHURST STREET SINGLETON	Residential	52	49	40.0	36.5	46.8	44.2	6.8	7.7	No	No	No	No	
1717	5 WYNYARD STREET SINGLETON	Residential	52	49	39.6	36.0	48.0	45.3	8.4	9.3	No	No	No	No	
1719	65 BATHURST STREET SINGLETON	Residential	53	49	40.7	37.2	47.4	44.7	6.7	7.5	No	No	No	No	
1721	3 WYNYARD STREET SINGLETON	Residential	52	49	39.6	36.1	48.4	45.7	8.8	9.6	No	No	No	No	
1722	7 VICTORIA STREET GLENRIDGING	Residential	55	50	44.7	41.2	50.2	47.7	5.5	6.5	No	No	No	No	
1723	63 BATHURST STREET SINGLETON	Residential	53	50	41.2	37.6	47.8	45.1	6.6	7.5	No	No	No	No	
1724	1 WYNYARD STREET SINGLETON	Residential	55	50	42.8	39.3	49.8	47.1	7.0	7.8	No	No	No	No	
1725	8 WYNYARD STREET SINGLETON	Residential	51	48	38.7	35.1	46.9	44.2	8.2	9.1	No	No	No	No	
1727	6 VICTORIA STREET GLENRIDGING	Residential	55	50	45.4	41.9	51.2	48.5	5.8	6.6	No	No	No	No	
1728	61 BATHURST STREET SINGLETON	Residential	53	50	40.8	37.3	47.4	44.7	6.6	7.4	No	No	No	No	
1729	6 WYNYARD STREET SINGLETON	Residential	53	49	40.4	36.9	46.9	44.2	6.5	7.3	No	No	No	No	
1730	5 VICTORIA STREET GLENRIDGING	Residential	55	50	45.6	42.1	51.3	48.6	5.7	6.5	No	No	No	No	

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - Noise Barrier										Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change							
			Day	Night	Day	Night	Day	Night	Day	Night						
1731	4 WYNYARD STREET SINGLETON	Residential	53	49	40.2	36.6	48.0	45.3	7.8	8.7	No	No	No	No		
1732	59 BATHURST STREET SINGLETON	Residential	52	49	39.8	36.3	46.4	43.7	6.6	7.4	No	No	No	No		
1733	4 VICTORIA STREET GLENRIDDING	Residential	55	50	43.9	40.4	50.2	47.5	6.3	7.1	No	No	No	No		
1734	2 WYNYARD STREET SINGLETON	Residential	53	49	40.4	36.9	48.4	45.7	8.0	8.8	No	No	No	No		
1736	46 BATHURST STREET SINGLETON	Child Care	100	100	40.2	36.7	46.2	43.6	6.0	6.9	No	No	No	No		
1738	3 VICTORIA STREET GLENRIDDING	Residential	55	49	45.7	37.1	49.0	46.3	3.3	9.2	No	No	No	No		
1739	76 PUTTY ROAD GLENRIDDING	Residential	54	50	42.0	38.4	54.5	51.8	12.5	13.4	No	Yes	Yes	Yes		
1740	9 PARK STREET SINGLETON	Residential	52	49	39.4	35.8	47.0	44.3	7.6	8.5	No	No	No	No		
1741	5 FREDERICK STREET SINGLETON	Residential	53	49	40.4	36.8	48.2	45.5	7.8	8.7	No	No	No	No		
1742	8 GLENRIDDING ROAD GLENRIDDING	Residential	55	50	54.0	50.5	56.2	53.6	2.2	3.1	Yes	No	No	Yes		
1744	2 VICTORIA STREET GLENRIDDING	Residential	55	50	47.4	43.9	50.7	48.0	3.3	4.1	No	No	No	No		
1745	7 PARK STREET SINGLETON	Residential	51	47	38.3	34.7	46.0	43.3	7.7	8.6	No	No	No	No		
1746	57 BATHURST STREET SINGLETON	Residential	52	49	39.8	36.3	47.1	44.4	7.3	8.1	No	No	No	No		
1747	7 FREDERICK STREET SINGLETON	Residential	53	50	41.1	37.5	47.5	44.8	6.4	7.3	No	No	No	No		
1748	5 PARK STREET SINGLETON	Residential	52	48	39.3	35.8	46.6	43.9	7.3	8.1	No	No	No	No		
1750	1 VICTORIA STREET GLENRIDDING	Residential	100	100	49.6	46.1	52.7	50.0	3.1	3.9	No	No	No	No		
1751	3 PARK STREET SINGLETON	Residential	49	46	36.9	33.4	45.3	42.6	8.4	9.2	No	No	No	No		
1752	1 PARK STREET SINGLETON	Residential	54	50	41.9	38.4	48.6	45.8	6.7	7.4	No	No	No	No		
1753	9 FREDERICK STREET SINGLETON	Residential	55	50	42.9	39.4	48.9	46.2	6.0	6.8	No	No	No	No		
1756	55 BATHURST STREET SINGLETON	Residential	53	49	40.6	37.1	47.2	44.5	6.6	7.4	No	No	No	No		
1757	12 PARK STREET SINGLETON	Residential	52	49	40.0	36.5	47.2	44.5	7.2	8.0	No	No	No	No		
1758	2 GLENRIDDING ROAD GLENRIDDING	Residential	55	50	53.9	50.4	55.0	52.4	1.1	2.0	Yes	No	No	Yes		
1760	53 BATHURST STREET SINGLETON	Residential	53	49	40.6	37.1	47.1	44.3	6.5	7.2	No	No	No	No		
1761	10 PARK STREET SINGLETON	Residential	52	49	39.8	36.3	47.0	44.2	7.2	7.9	No	No	No	No		
1762	11 FREDERICK STREET SINGLETON	Residential	55	50	42.7	39.1	48.9	46.1	6.2	7.0	No	No	No	No		
1763	9 GLENRIDDING ROAD GLENRIDDING	Residential	60	55	59.2	55.7	58.1	55.3	-1.1	-0.4	Yes	No	No	Yes		
1764	8 PARK STREET SINGLETON	Residential	53	49	40.2	36.6	47.0	44.3	6.8	7.7	No	No	No	No		
1765	44 BATHURST STREET SINGLETON	Residential	53	50	41.4	37.9	46.7	44.0	5.3	6.1	No	No	No	No		
1766	6 PARK STREET SINGLETON	Residential	53	49	40.5	37.0	47.4	44.7	6.9	7.7	No	No	No	No		
1767	23 GLENRIDDING ROAD GLENRIDDING	Residential	55	50	44.9	41.4	57.1	54.5	12.2	13.1	No	Yes	Yes	Yes		
1768	51 BATHURST STREET SINGLETON	Residential	52	49	39.8	36.3	46.2	43.6	6.4	7.3	No	No	No	No		
1769	4 PARK STREET SINGLETON	Residential	53	49	40.3	36.8	47.5	44.8	7.2	8.0	No	No	No	No		
1772	7 GLENRIDDING ROAD GLENRIDDING	Residential	60	55	60.0	56.5	58.2	55.4	-1.8	-1.1	No	No	No	No		
1773	2 PARK STREET SINGLETON	Residential	54	50	41.9	38.4	47.8	45.2	5.9	6.8	No	No	No	No		
1774	25 HARRIETT STREET SINGLETON	Residential	53	49	40.2	36.6	46.8	44.1	6.6	7.5	No	No	No	No		
1776	23 HARRIETT STREET SINGLETON	Residential	52	49	40.1	36.5	47.0	44.3	6.9	7.8	No	No	No	No		
1777	49 BATHURST STREET SINGLETON	Residential	53	49	40.0	36.4	46.3	43.6	6.3	7.2	No	No	No	No		
1778	44 BATHURST STREET SINGLETON	Residential	54	50	42.0	38.5	46.7	44.1	4.7	5.6	No	No	No	No		
1780	2 WALTER STREET SINGLETON	Residential	55	50	48.0	44.5	52.2	49.5	4.2	5.0	No	No	No	No		
1782	21 HARRIETT STREET SINGLETON	Residential	52	49	40.0	36.4	47.0	44.2	7.0	7.8	No	No	No	No		
1783	13A FREDERICK STREET SINGLETON	Residential	54	50	42.4	38.9	48.2	45.6	5.8	6.7	No	No	No	No		
1784	30 HARRIETT STREET SINGLETON	Residential	52	49	39.7	36.1	46.6	43.8	6.9	7.7	No	No	No	No		
1786	19 HARRIETT STREET SINGLETON	Residential	52	49	40.2	36.6	47.3	44.5	7.1	7.9	No	No	No	No		
1788	28 HARRIETT STREET SINGLETON	Residential	52	48	39.4	35.8	46.5	43.8	7.1	8.0	No	No	No	No		
1790	32 BATHURST STREET SINGLETON	Residential	55	50	42.6	39.1	46.6	43.9	4.0	4.8	No	No	No	No		
1791	17 HARRIETT STREET SINGLETON	Residential	51	48	38.9	35.4	46.3	43.5	7.4	8.1	No	No	No	No		
1792	26 HARRIETT STREET SINGLETON	Residential	51	48	39.1	35.6	46.3	43.6	7.2	8.0	No	No	No	No		
1793	47 BATHURST STREET SINGLETON	Residential	53	49	40.1	36.6	46.4	43.6	6.3	7.0	No	No	No	No		
1794	3 DUDDING STREET SINGLETON	Residential	55	50	45.3	41.8	50.1	47.4	4.8	5.6	No	No	No	No		
1795	7 DUDDING STREET SINGLETON	Residential	55	50	44.6	41.1	49.6	46.9	5.0	5.8	No	No	No	No		
1796	5 GLENRIDDING ROAD GLENRIDDING	Residential	60	55	59.6	56.1	57.1	54.4	-2.5	-1.7	No	No	No	No		
1797	6 DUDDING STREET SINGLETON	Residential	54	50	41.5	38.0	47.7	44.9	6.2	6.9	No	No	No	No		
1798	15 HARRIETT STREET SINGLETON	Residential	54	50	42.3	38.8	48.0	45.4	5.7	6.6	No	No	No	No		
1799	1 DUDDING STREET SINGLETON	Residential	55	50	45.8	42.3	50.5	47.8	4.7	5.5	No	No	No	No		
1800	5 DUDDING STREET SINGLETON	Residential	55	50	45.0	41.5	49.9	47.2	4.9	5.7	No	No	No	No		
1801	4 DUDDING STREET SINGLETON	Residential	53	50	41.3	37.8	47.4	44.6	6.1	6.8	No	No	No	No		
1802	24 HARRIETT STREET SINGLETON	Residential	53	50	40.6	37.1	47.1	44.5	6.5	7.4	No	No	No	No		
1803	26 HARRIETT STREET SINGLETON	Residential	53	49	40.4	36.9	46.1	43.5	5.7	6.6	No	No	No	No		
1805	22 HARRIETT STREET SINGLETON	Residential	54	50	41.2	37.7	47.4	44.6	6.2	6.9	No	No	No	No		
1806	45 BATHURST STREET SINGLETON	Residential	53	50	40.8	37.3	46.8	44.1	6.0	6.8	No	No	No	No		
1808	4A DUDDING STREET SINGLETON	Residential	54	50	42.1	38.6	47.7	45.0	5.6	6.4	No	No	No	No		
1809	20 HARRIETT STREET SINGLETON	Residential	53	50	41.0	37.5	47.2	44.5	6.2	7.0	No	No	No	No		
1810	26 HARRIETT STREET SINGLETON	Residential	54	50	41.8	38.3	47.5	44.9	5.7	6.6	No	No	No	No		
1811	43 BATHURST STREET SINGLETON	Residential	53	49	40.5	37.0	46.6	43.9	6.1	6.9	No	No	No	No		
1812	2 DUDDING STREET SINGLETON	Residential	55	50	43.3	39.8	48.4	45.8	5.1	6.0	No	No	No	No		
1813	3 LESLEY STREET SINGLETON	Residential	55	50	45.2	41.7	49.0	46.4	3.8	4.7	No	No	No	No		
1814	2A DUDDING STREET SINGLETON	Residential	55	50	43.7	40.2	48.6	46.0	4.9	5.8	No	No	No	No		
1815	11 HARRIETT STREET SINGLETON	Residential	54	50	42.2	38.6	47.7	45.1	5.5	6.5	No	No	No	No		
1816	13 HARRIETT STREET SINGLETON	Residential	53	50	41.0	37.5	47.1	44.4	6.1	6.9	No	No	No	No		
1817	16 HARRIETT STREET SINGLETON	Residential	54	50	41.5	38.0	47.4	44.7	5.9	6.7	No	No	No	No		
1818	18 HARRIETT STREET SINGLETON	Residential	52	49	39.9	36.4	46.2	43.5	6.3	7.1	No	No	No	No		
1819	41 BATHURST STREET SINGLETON	Residential	55	50	43.2	39.5	45.3	42.5	2.1	3.0	No	No	No	No		
1820	29 ARGYLE STREET SINGLETON	Residential	55	50	42.7	39.1	45.4	42.7	2.7	3.6	No	No	No	No		
1821	9 HARRIETT STREET SINGLETON	Residential	55	50	44.1	40.6	48.7	46.0	4.6	5.4	No	No	No	No		
1822	1 LESLEY STREET SINGLETON	Residential	55	50	44.0	40.5	47.9	45.3	3.9	4.8	No	No	No	No		
1823	7 HARRIETT STREET SINGLETON	Residential	55	50	43.5	40.0	48.6	45.9	5.1	5.9	No	No	No	No		
1824	8 FREDERICK STREET SINGLETON	Residential	54	50	42.3	38.8	47.7	45.1	5.4	6.3	No	No	No	No		
1825	25 ARGYLE STREET SINGLETON	Residential	53	50	40.5	37.0	46.8	44.1	6.3	7.1	No	No	No	No		
1826	27 ARGYLE STREET SINGLETON	Residential	55	50	42.2	38.6	45.8	43.1	3.6	4.5	No	No	No	No		
1827	5 HARRIETT STREET SINGLETON	Residential	54	50	42.2	41.1	47.5	44.8	5.3	3.7	No	No	No	No		
1828	10 FREDERICK STREET SINGLETON	Residential	55	50	43.0	39.5	48.1	45.4	5.1	5.9	No	No	No	No		
1829	12 HARRIETT STREET SINGLETON	Residential	55	50	42.7	39.2	47.9	45.3	5.2	6.1	No	No	No	No		
1830	32 ARGYLE STREET SINGLETON	Residential	53	50	40.5	36.9	45.9	43.2	5.4	6.3	No	No	No	No		
1831	23 ARGYLE STREET SINGLETON	Residential	52	49	40.0	36.5	46.6	43.8	6.6	7.3	No	No	No	No		
1832	15 FREDERICK STREET SINGLETON	Residential	53	50	41.8	38.3	46.4	43.8	4.6	5.5	No	No	No	No		
1834	3 HARRIETT STREET SINGLETON	Residential	54	50	42.3	38.8	46.9	44.3	4.6	5.5	No	No	No	No		
1835	10 HARRIETT STREET SINGLETON	Residential	55	50	43.7	40.2	48.3	45.7	4.6	5.5	No	No	No	No		
1836	30 ARGYLE STREET SINGLETON	Residential	53	50	40.3	36.7	46.3	43.6	6.0	6.9	No	No	No	No		
1837	1 HARRIETT STREET SINGLETON	Residential	55	50	43.4	39.9	46.2	43.5	2.8	3.6	No	No	No	No		
1838	28 ARGYLE STREET SINGLETON	Residential	52	49	39.8	36.2	46.1	43.4	6.3	7.2	No	No	No	No		
1839	21 ARGYLE STREET SINGLETON	Residential	52	49	39.6	36.1	46.1	43.4	6.5	7.3	No	No	No	No		
1841	12 FREDERICK STREET SINGLETON	Residential	55	50	44.1	40.6	48.9	46.2	4.8	5.6	No	No	No	No		

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - Noise Barrier										Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change							
			Day	Night	Day	Night	Day	Night	Day	Night						
1842	8 HARRIETT STREET SINGLETON	Residential	55	50	44.1	40.6	48.6	46.0	4.5	5.4	No	No	No	No		
1843	19 ARGYLE STREET SINGLETON	Residential	55	50	42.8	39.3	46.3	43.5	3.5	4.2	No	No	No	No		
1844	24 ARGYLE STREET SINGLETON	Residential	53	50	40.3	36.7	46.8	44.1	6.5	7.4	No	No	No	No		
1845	26 ARGYLE STREET SINGLETON	Residential	53	50	40.2	36.7	46.5	43.9	6.3	7.2	No	No	No	No		
1846	17 ARGYLE STREET SINGLETON	Residential	53	49	40.3	36.8	46.4	43.8	6.1	7.0	No	No	No	No		
1847	15 ARGYLE STREET SINGLETON	Residential	55	50	43.5	40.0	48.0	45.3	4.5	5.3	No	No	No	No		
1848	14 FREDERICK STREET SINGLETON	Residential	55	50	44.1	40.7	48.9	46.2	4.8	5.5	No	No	No	No		
1849	6 HARRIETT STREET SINGLETON	Residential	55	50	44.3	40.8	48.8	46.2	4.5	5.4	No	No	No	No		
1850	4 HARRIETT STREET SINGLETON	Residential	55	50	43.4	39.9	48.2	45.5	4.8	5.6	No	No	No	No		
1851	22 ARGYLE STREET SINGLETON	Residential	54	50	42.2	38.7	47.0	44.4	4.8	5.7	No	No	No	No		
1853	13 ARGYLE STREET SINGLETON	Residential	53	49	40.5	37.0	45.9	43.2	5.4	6.2	No	No	No	No		
1854	20 ARGYLE STREET SINGLETON	Residential	53	50	41.0	37.5	47.0	44.4	6.0	6.9	No	No	No	No		
1856	9 ARGYLE STREET SINGLETON	Residential	55	50	44.9	41.4	49.3	46.7	4.4	5.3	No	No	No	No		
1857	11 ARGYLE STREET SINGLETON	Residential	55	50	42.9	39.4	47.8	45.1	4.9	5.7	No	No	No	No		
1858	18 ARGYLE STREET SINGLETON	Residential	53	50	41.0	37.5	47.1	44.3	6.1	6.8	No	No	No	No		
1859	16 ARGYLE STREET SINGLETON	Residential	55	50	43.5	40.0	47.7	45.0	4.2	5.0	No	No	No	No		
1861	7 ARGYLE STREET SINGLETON	Residential	55	50	45.5	42.0	49.7	47.0	4.2	5.0	No	No	No	No		
1862	25 GAS STREET SINGLETON	Residential	54	50	41.9	38.3	47.0	44.3	5.1	6.0	No	No	No	No		
1864	14 ARGYLE STREET SINGLETON	Residential	54	50	41.6	38.1	47.4	44.7	5.8	6.6	No	No	No	No		
1865	5 ARGYLE STREET SINGLETON	Residential	55	50	46.4	42.9	50.1	47.5	3.7	4.6	No	No	No	No		
1866	16 ARGYLE STREET SINGLETON	Residential	55	50	43.2	39.7	47.5	44.8	4.3	5.1	No	No	No	No		
1867	12 ARGYLE STREET SINGLETON	Residential	54	50	41.9	38.4	47.4	44.8	5.5	6.4	No	No	No	No		
1869	3 ARGYLE STREET SINGLETON	Residential	55	50	48.1	44.7	50.4	47.8	2.3	3.1	No	No	No	No		
1870	19 GAS STREET SINGLETON	Residential	55	50	43.2	39.8	46.8	44.1	3.6	4.3	No	No	No	No		
1871	21 GAS STREET SINGLETON	Residential	59	55	46.4	42.9	46.5	43.9	0.1	1.0	No	No	No	No		
1873	10 ARGYLE STREET SINGLETON	Residential	54	50	41.5	38.0	47.2	44.5	5.7	6.5	No	No	No	No		
1874	8 ARGYLE STREET SINGLETON	Residential	55	50	42.4	38.9	47.5	44.9	5.1	6.0	No	No	No	No		
1875	17 FREDERICK STREET SINGLETON	Residential	55	50	44.3	40.9	47.8	45.1	3.5	4.2	No	No	No	No		
1876	17 GAS STREET SINGLETON	Residential	58	55	45.5	42.0	45.9	43.3	0.4	1.3	No	No	No	No		
1881	6 ARGYLE STREET SINGLETON	Residential	55	50	43.0	39.5	47.5	44.9	4.5	5.4	No	No	No	No		
1882	4 ARGYLE STREET SINGLETON	Residential	55	50	44.7	41.2	48.4	45.8	3.7	4.6	No	No	No	No		
1884	15 GAS STREET SINGLETON	Residential	53	50	41.1	37.5	46.8	44.1	5.7	6.6	No	No	No	No		
1885	22-26 JOHN STREET SINGLETON	Residential	60	55	61.0	57.5	59.6	57.1	-1.4	-0.4	No	No	No	No		
1886	2 ARGYLE STREET SINGLETON	Residential	55	50	46.3	42.8	49.4	46.7	3.1	3.9	No	No	No	No		
1887	12A GAS STREET SINGLETON	Residential	60	55	47.9	42.8	47.5	44.9	-0.4	2.1	No	No	No	No		
1888	13 GAS STREET SINGLETON	Residential	53	50	41.0	37.5	46.7	44.1	5.7	6.6	No	No	No	No		
1889	28 JOHN STREET SINGLETON	Residential	60	55	59.9	56.4	58.7	56.2	-1.2	-0.2	No	No	No	No		
1890	7 MARY STREET SINGLETON	Residential	60	55	62.7	59.2	60.3	57.9	-2.4	-1.3	No	No	No	No		
1891	11 GAS STREET SINGLETON	Residential	55	50	44.9	41.4	47.5	44.9	2.6	3.5	No	No	No	No		
1892	9 MARY STREET SINGLETON	Residential	60	55	56.8	53.3	56.7	54.3	-0.1	1.0	No	No	No	No		
1895	10 GAS STREET SINGLETON	Residential	54	54	41.3	43.9	46.4	43.7	5.1	-0.2	No	No	No	No		
1896	11 MARY STREET SINGLETON	Residential	55	50	53.3	49.8	55.1	52.5	1.8	2.7	Yes	No	No	Yes		
1897	8 GAS STREET SINGLETON	Residential	54	55	46.4	42.9	46.6	43.9	0.2	1.0	No	No	No	No		
1898	9 GAS STREET SINGLETON	Residential	60	55	48.6	45.1	48.7	46.1	0.1	1.0	No	No	No	No		
1899	30 JOHN STREET SINGLETON	Residential	60	55	66.5	63.0	64.6	62.2	-1.9	-0.8	No	No	No	No		
1900	13 MARY STREET SINGLETON	Residential	55	50	52.0	48.5	54.9	52.2	2.9	3.7	Yes	No	Yes	Yes		
1901	7 GAS STREET SINGLETON	Residential	60	55	48.5	45.0	48.3	45.7	-0.2	0.7	No	No	No	No		
1902	6 GAS STREET SINGLETON	Residential	55	50	46.3	42.8	48.9	46.2	2.6	3.4	No	No	No	No		
1906	9 RYAN AVENUE SINGLETON	Residential	60	55	62.1	58.6	60.2	57.8	-1.9	-0.8	No	No	No	No		
1910	11 RYAN AVENUE SINGLETON	Residential	60	55	56.0	52.5	55.0	52.5	-1.0	0.0	No	No	No	No		
1913	53 JOHN STREET SINGLETON	Residential	60	55	50.6	47.1	49.9	47.4	-0.7	0.3	No	No	No	No		
1914	2 RYAN AVENUE SINGLETON	Residential	60	55	60.4	57.0	58.5	56.1	-1.9	-0.9	No	No	No	No		
1917	4 RYAN AVENUE SINGLETON	Residential	60	55	54.6	51.1	54.6	52.0	0.0	0.9	No	No	No	No		
1918	6 RYAN AVENUE SINGLETON	Residential	55	50	51.8	48.4	53.1	50.5	1.3	2.1	Yes	No	No	Yes		
1919	59 JOHN STREET SINGLETON	Residential	60	55	53.0	49.5	52.0	49.5	-1.0	0.0	No	No	No	No		
1920	59 JOHN STREET SINGLETON	Residential	60	55	67.8	64.3	65.7	63.3	-2.1	-1.0	No	No	No	No		
1931	48 SIMPSON TERRACE DARLINGTON	Residential	55	50	40.5	37.6	55.9	54.2	15.4	16.6	Yes	No	Yes	Yes		
1932	2 NOBLE CLOSE DARLINGTON	Residential	55	50	40.8	37.7	55.9	54.3	15.1	16.6	Yes	No	Yes	Yes		
1933	3 NOBLE CLOSE DARLINGTON	Residential	55	50	44.0	40.8	57.4	55.8	13.4	15.0	Yes	Yes	Yes	Yes		
1934	46 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.1	38.2	52.3	50.6	11.2	12.4	Yes	No	Yes	Yes		
1935	4 NOBLE CLOSE DARLINGTON	Residential	55	50	46.4	42.7	54.7	53.1	8.3	10.4	Yes	No	Yes	Yes		
1935	4 NOBLE CLOSE DARLINGTON*	Residential	55	50	39.1	36.0	52.0	50.4	12.9	14.4						
1936	6 NOBLE CLOSE DARLINGTON	Residential	55	50	43.5	40.2	51.2	49.5	7.7	9.3	No	No	Yes	Yes		
1936	6 NOBLE CLOSE DARLINGTON*	Residential	55	50	40.1	37.1	50.9	49.3	10.8	12.2						
1937	5 NOBLE CLOSE DARLINGTON	Residential	55	50	46.1	42.4	53.5	51.8	7.4	9.4	Yes	No	Yes	Yes		
1937	5 NOBLE CLOSE DARLINGTON*	Residential	55	50	39.5	36.4	51.7	50.0	12.2	13.6						
1938	44 SIMPSON TERRACE DARLINGTON	Residential	55	50	39.8	37.0	50.8	49.1	11.0	12.1	No	No	Yes	Yes		
1940	3 SEVER CLOSE DARLINGTON	Residential	55	50	41.8	38.7	50.8	49.2	9.0	10.5	No	No	Yes	Yes		
1940	3 SEVER CLOSE DARLINGTON*	Residential	55	50	38.0	35.0	50.4	48.7	12.4	13.7						
1941	2 SEVER CLOSE DARLINGTON	Residential	55	50	45.4	41.8	50.5	48.8	5.1	7.0	No	No	Yes	Yes		
1941	2 SEVER CLOSE DARLINGTON*	Residential	55	50	37.7	34.6	48.8	47.2	11.1	12.6						
1942	4 SEVER CLOSE DARLINGTON	Residential	55	50	46.0	42.2	53.4	51.8	7.4	9.6	Yes	No	No	Yes		
1943	40 SIMPSON TERRACE DARLINGTON	Residential	55	50	39.4	36.5	50.1	48.5	10.7	12.0	No	No	Yes	Yes		
1944	5 SEVER CLOSE DARLINGTON	Residential	55	50	45.8	42.1	52.9	51.2	7.1	9.1	Yes	No	Yes	Yes		
1944	5 SEVER CLOSE DARLINGTON*	Residential	55	50	37.8	34.7	50.1	48.4	12.3	13.7						
1945	7 SEVER CLOSE DARLINGTON	Residential	55	50	45.2	41.7	50.4	48.6	5.2	6.9	No	No	No	No		
1946	8 SEVER CLOSE DARLINGTON	Residential	55	50	45.8	42.1	50.1	48.3	4.3	6.2	No	No	No	No		
1947	6 SEVER CLOSE DARLINGTON	Residential	55	50	45.5	41.8	51.0	49.2	5.5	7.4	No	No	Yes	Yes		
1947	6 SEVER CLOSE DARLINGTON*	Residential	55	50	38.0	34.9	48.6	46.9	10.6	12.0						
1948	38 SIMPSON TERRACE DARLINGTON	Residential	55	50	45.9	43.0	48.7	46.9	2.8	3.9	No	No	No	No		
1949	36 SIMPSON TERRACE DARLINGTON	Residential	55	50	46.3	43.4	50.0	48.2	3.7	4.8	No	No	No	No		
1950	3 BUTTON CLOSE DARLINGTON	Residential	55	50	41.7	38.6	47.6	45.8	5.9	7.2	No	No	Yes	Yes		
1950	3 BUTTON CLOSE DARLINGTON*	Residential	55	50	35.3	32.2	46.6	44.9	11.3	12.7						
1951	2 BUTTON CLOSE DARLINGTON	Residential	55	50	39.7	36.6	49.3	47.7	9.6	11.1	No	No	Yes	Yes		
1951	2 BUTTON CLOSE DARLINGTON*	Residential	55	50	34.9	31.9	46.9	45.3	12.0	13.4						
1952	4 BUTTON CLOSE DARLINGTON	Residential	55	50	40.8	37.7	48.7	47.0	7.9	9.3	No	No	Yes	Yes		
1952	4 BUTTON CLOSE DARLINGTON*	Residential	55	50	37.7	34.5	48.6	46.9	10.9	12.4						
1953	5 BUTTON CLOSE DARLINGTON	Residential	55	50	41.8	38.6	49.0	47.3	7.2	8.7	No	No	No	No		
1954	34 SIMPSON TERRACE DARLINGTON	Residential	55	50	40.4	37.4	46.3	44.6	5.9	7.2	No	No	No	No		
1955	9 BUTTON CLOSE DARLINGTON	Residential	55	50	40.0	36.9	48.5	46.9	8.5	10.0	No	No	Yes	Yes		
1955	9 BUTTON CLOSE DARLINGTON*	Residential	55	50	35.0	31.9	46.0	44.4	11.0	12.5						
1956	29 SIMPSON TERRACE DARLINGTON	Residential	55	50	38.1	35.1	47.6	45.9	9.5	10.8	No	No	No	No		

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - Noise Barrier										Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change							
			Day	Night	Day	Night	Day	Night	Day	Night						
1957	6 BUTTON CLOSE DARLINGTON	Residential	55	50	45.5	41.9	51.5	49.7	6.0	7.8	No	No	Yes	Yes		
1957	6 BUTTON CLOSE DARLINGTON*	Residential	55	50	35.6	32.6	48.1	46.5	12.5	13.9						
1958	8 BUTTON CLOSE DARLINGTON	Residential	55	50	42.5	39.4	48.7	47.0	6.2	7.6	No	No	Yes	Yes		
1958	8 BUTTON CLOSE DARLINGTON*	Residential	55	50	35.3	32.2	46.5	44.9	11.2	12.7						
1959	7 BUTTON CLOSE DARLINGTON	Residential	55	50	45.5	41.9	50.7	49.0	5.2	7.1	No	No	Yes	Yes		
1959	7 BUTTON CLOSE DARLINGTON*	Residential	55	50	35.7	32.6	46.5	44.8	10.8	12.2						
1960	32 SIMPSON TERRACE DARLINGTON	Residential	55	50	40.8	37.6	46.9	45.2	6.1	7.6	No	No	No	No		
1961	11 GRAINGER CRESCENT DARLINGTON	Residential	55	50	43.2	40.0	49.8	48.1	6.6	8.1	No	No	No	No		
1963	27 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.5	38.4	47.0	45.2	5.5	6.8	No	No	No	No		
1964	30 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.3	38.1	46.8	45.1	5.5	7.0	No	No	No	No		
1965	9 GRAINGER CRESCENT DARLINGTON	Residential	55	50	48.4	45.6	49.6	47.7	1.2	2.1	No	No	No	No		
1966	7 ELLIOT CLOSE DARLINGTON	Residential	55	50	41.1	38.0	48.4	46.7	7.3	8.7	No	No	No	No		
1968	8 ELLIOT CLOSE DARLINGTON	Residential	55	50	38.5	35.3	49.8	48.1	11.3	12.8	No	No	Yes	Yes		
1969	25 SIMPSON TERRACE DARLINGTON	Residential	55	50	47.1	44.2	47.5	45.6	0.4	1.4	No	No	No	No		
1970	6 ELLIOT CLOSE DARLINGTON	Residential	55	50	42.9	39.8	48.2	46.5	5.3	6.7	No	No	No	No		
1971	28 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.3	38.2	46.5	44.7	5.2	6.5	No	No	No	No		
1972	5 ELLIOT CLOSE DARLINGTON	Residential	55	50	41.8	38.7	48.3	46.5	6.5	7.8	No	No	No	No		
1973	26 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.9	38.8	46.6	44.8	4.7	6.0	No	No	No	No		
1974	9 ELLIOT CLOSE DARLINGTON	Residential	55	50	45.6	42.2	51.8	50.1	6.2	7.9	No	No	No	No		
1975	36 GRAINGER CRESCENT DARLINGTON	Residential	55	50	41.8	38.8	47.1	45.4	5.3	6.6	No	No	No	No		
1976	24 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.6	38.4	46.9	45.1	5.3	6.7	No	No	No	No		
1977	23 SIMPSON TERRACE DARLINGTON	Residential	55	50	43.5	40.3	48.1	46.3	4.6	6.0	No	No	No	No		
1978	10 ELLIOT CLOSE DARLINGTON	Residential	55	50	45.9	42.5	51.5	49.7	5.6	7.2	No	No	No	No		
1979	4 ELLIOT CLOSE DARLINGTON	Residential	55	50	43.9	40.7	48.9	47.1	5.0	6.4	No	No	No	No		
1980	34 GRAINGER CRESCENT DARLINGTON	Residential	55	50	48.8	45.9	48.0	46.0	-0.8	0.1	No	No	No	No		
1981	32 GRAINGER CRESCENT DARLINGTON	Residential	55	50	49.9	47.1	49.1	47.2	-0.8	0.1	No	No	No	No		
1982	11 ELLIOT CLOSE DARLINGTON	Residential	55	50	46.7	43.3	51.9	50.1	5.2	6.8	No	No	No	No		
1983	3 ELLIOT CLOSE DARLINGTON	Residential	55	50	43.4	40.1	48.6	46.9	5.2	6.8	No	No	No	No		
1984	22 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.8	38.8	47.1	45.4	5.3	6.6	No	No	No	No		
1985	30 GRAINGER CRESCENT DARLINGTON	Residential	55	50	50.4	47.5	49.1	47.0	-1.3	-0.5	No	No	No	No		
1986	30 GRAINGER CRESCENT DARLINGTON	Residential	55	50	47.6	44.7	47.7	45.8	0.1	1.1	No	No	No	No		
1987	21 SIMPSON TERRACE DARLINGTON	Residential	55	50	42.7	39.7	48.3	46.6	5.6	6.9	No	No	No	No		
1988	12 ELLIOT CLOSE DARLINGTON	Residential	55	50	47.4	43.9	52.0	50.3	4.6	6.4	No	Yes	Yes	Yes		
1988	12 ELLIOT CLOSE DARLINGTON*	Residential	55	50	39.9	36.8	50.8	49.1	10.9	12.3						
1989	2 ELLIOT CLOSE DARLINGTON	Residential	55	50	44.6	41.3	49.0	47.2	4.4	5.9	No	No	No	No		
1990	20 SIMPSON TERRACE DARLINGTON	Residential	55	50	40.5	37.5	46.9	45.2	6.4	7.7	No	No	No	No		
1991	28 GRAINGER CRESCENT DARLINGTON	Residential	55	50	50.7	47.8	49.6	47.6	-1.1	-0.2	No	No	No	No		
1992	4 HALLETT PLACE DARLINGTON	Residential	55	50	41.6	38.5	47.1	45.3	5.5	6.8	No	No	No	No		
1993	18 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.9	38.9	47.1	45.4	5.2	6.5	No	No	No	No		
1994	3 HALLETT PLACE DARLINGTON	Residential	55	50	44.4	41.3	46.8	45.0	2.4	3.7	No	No	No	No		
1995	13 ELLIOT CLOSE DARLINGTON	Residential	55	50	47.8	44.3	51.7	49.9	3.9	5.6	No	No	No	No		
1996	16 SIMPSON TERRACE DARLINGTON	Residential	55	50	44.4	41.2	49.0	47.2	4.6	6.0	No	No	No	No		
1997	5 HALLETT PLACE DARLINGTON	Residential	55	50	44.4	41.3	47.5	45.6	3.1	4.3	No	No	No	No		
1998	19 SIMPSON TERRACE DARLINGTON	Residential	55	50	43.7	40.7	48.1	46.3	4.4	5.6	No	No	No	No		
1999	16 SIMPSON TERRACE DARLINGTON	Residential	55	50	49.2	45.9	50.8	48.9	1.6	3.0	No	No	No	No		
2000	2 HALLETT PLACE DARLINGTON	Residential	55	50	49.2	46.3	47.9	45.8	-1.3	-0.5	No	No	No	No		
2001	17 SIMPSON TERRACE DARLINGTON	Residential	55	50	43.1	40.1	48.0	46.2	4.9	6.1	No	No	No	No		
2002	26 GRAINGER CRESCENT DARLINGTON	Residential	55	50	50.0	47.1	48.8	46.8	-1.2	-0.3	No	No	No	No		
2003	14 ELLIOT CLOSE DARLINGTON	Residential	55	50	50.2	46.7	53.6	51.8	3.4	5.1	Yes	No	No	Yes		
2004	15 SIMPSON TERRACE DARLINGTON	Residential	55	50	42.5	39.5	47.7	45.9	5.2	6.4	No	No	No	No		
2005	7 GRAINGER CRESCENT DARLINGTON	Residential	55	50	54.5	51.6	51.4	49.2	-3.1	-2.4	No	No	No	No		
2006	6 HALLETT PLACE DARLINGTON	Residential	55	50	43.6	40.5	47.6	45.8	4.0	5.3	No	No	No	No		
2007	15 ELLIOT CLOSE DARLINGTON	Residential	55	50	49.0	45.5	51.9	50.1	2.9	4.6	No	No	No	No		
2008	7 HALLETT PLACE DARLINGTON	Residential	55	50	46.8	43.5	47.3	45.3	0.5	1.8	No	No	No	No		
2009	24 GRAINGER CRESCENT DARLINGTON	Residential	55	50	48.6	45.7	48.1	46.2	-0.5	0.5	No	No	No	No		
2010	17 HALLETT PLACE DARLINGTON	Residential	55	50	46.2	43.1	46.7	44.7	0.5	1.6	No	No	No	No		
2011	13 SIMPSON TERRACE DARLINGTON	Residential	55	50	44.0	41.0	48.2	46.3	4.2	5.3	No	No	No	No		
2012	7 MILLARD CLOSE DARLINGTON	Residential	55	50	45.0	41.9	48.2	46.3	3.2	4.4	No	No	No	No		
2013	14 SIMPSON TERRACE DARLINGTON	Residential	55	50	48.7	45.2	51.5	49.7	2.8	4.5	No	No	No	No		
2014	5 GRAINGER CRESCENT DARLINGTON	Residential	55	50	60.6	57.7	57.0	54.7	-3.6	-3.0	No	No	No	No		
2015	11 SIMPSON TERRACE DARLINGTON	Residential	55	50	44.1	41.1	48.1	46.3	4.0	5.2	No	No	No	No		
2016	22 GRAINGER CRESCENT DARLINGTON	Residential	55	50	53.6	50.8	50.4	48.1	-3.2	-2.7	No	No	No	No		
2017	8 HALLETT PLACE DARLINGTON	Residential	55	50	48.0	44.7	47.8	45.8	-0.2	1.1	No	No	No	No		
2018	16 HALLETT PLACE DARLINGTON	Residential	55	50	46.9	43.6	47.4	45.5	0.5	1.9	No	No	No	No		
2019	6 MILLARD CLOSE DARLINGTON	Residential	55	50	46.3	43.2	47.3	45.3	1.0	2.1	No	No	No	No		
2020	8 MILLARD CLOSE DARLINGTON	Residential	55	50	44.4	41.3	48.1	46.3	3.7	5.0	No	No	No	No		
2021	12 SIMPSON TERRACE DARLINGTON	Residential	55	50	45.3	42.2	50.6	48.7	5.3	6.5	No	No	No	No		
2022	9 HALLETT PLACE DARLINGTON	Residential	55	50	48.4	45.0	48.2	46.2	-0.2	1.2	No	No	No	No		
2023	9 SIMPSON TERRACE DARLINGTON	Residential	55	50	45.2	42.0	49.0	47.2	3.8	5.2	No	No	No	No		
2024	15 HALLETT PLACE DARLINGTON	Residential	55	50	47.7	44.6	47.9	45.9	0.2	1.3	No	No	No	No		
2025	20 GRAINGER CRESCENT DARLINGTON	Residential	55	50	56.3	53.4	52.7	50.4	-3.6	-3.0	No	No	No	No		
2026	9 MILLARD CLOSE DARLINGTON	Residential	55	50	48.3	44.7	49.0	47.1	0.7	2.4	No	No	No	No		
2028	5 MILLARD CLOSE DARLINGTON	Residential	55	50	47.2	43.9	48.3	46.4	1.1	2.5	No	No	No	No		
2029	10 SIMPSON TERRACE DARLINGTON	Residential	55	50	47.7	44.4	51.3	49.4	3.6	5.0	No	No	No	No		
2030	10 MILLARD CLOSE DARLINGTON	Residential	55	50	47.6	44.2	48.8	46.9	1.2	2.7	No	No	No	No		
2031	10 HALLETT PLACE DARLINGTON	Residential	55	50	48.6	45.3	48.7	46.7	0.1	1.4	No	No	No	No		
2032	7 SIMPSON TERRACE DARLINGTON	Residential	55	50	48.1	44.7	49.7	47.8	1.6	3.1	No	No	No	No		
2033	8 SIMPSON TERRACE DARLINGTON	Residential	55	50	49.1	45.5	51.7	49.8	2.6	4.3	No	No	No	No		
2034	18 GRAINGER CRESCENT DARLINGTON	Residential	55	50	57.6	54.7	54.0	51.8	-3.6	-2.9	No	No	No	No		
2035	14 HALLETT PLACE DARLINGTON	Residential	55	50	48.9	45.8	48.7	46.6	-0.2	0.8	No	No	No	No		
2036	4 MILLARD CLOSE DARLINGTON	Residential	55	50	50.7	47.5	49.0	46.9	-1.7	-0.6	No	No	No	No		
2037	5 SIMPSON TERRACE DARLINGTON	Residential	55	50	49.9	46.5	50.0	48.1	0.1	1.6	No	No	No	No		
2038	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	49.5	46.4	51.8	49.8	2.3	3.4	No	No	No	No		
2039	11 MILLARD CLOSE DARLINGTON	Residential	55	50	48.3	45.1	49.0	47.1	0.7	2.0	No	No	No	No		
2040	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.0	48.7	53.6	51.7	1.6	3.0	Yes	No	No	Yes		
2041	13 HALLETT PLACE DARLINGTON	Residential	55	50	51.3	48.2	49.1	47.0	-2.2	-1.2	No	No	No	No		
2042	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.2	48.8	53.7	51.8	1.5	3.0	Yes	No	No	Yes		
2043	3 MILLARD CLOSE DARLINGTON	Residential	55	50	52.9	49.7	50.5	48.4	-2.4	-1.3	No	No	No	No		
2044	11 HALLETT PLACE DARLINGTON	Residential	55	50	50.8	47.7	49.3	47.2	-1.5	-0.5	No	No	No	No		
2045	16 GRAINGER CRESCENT DARLINGTON	Residential	55	50	58.2	55.3	54.6	52.4	-3.6	-2.9	No	No	No	No		
2046	12 MILLARD CLOSE DARLINGTON	Residential	55	50	49.3	45.9	48.7	46.6	-0.6	0.7	No	No	No	No		
2047	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.2	48.9	53.8	51.9	1.6	3.0	Yes	No	No	Yes		

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - Noise Barrier								Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change					
			Day	Night	Day	Night	Day	Night	Day	Night				
2048	12 HALLETT PLACE DARLINGTON	Residential	55	50	51.4	48.4	49.4	47.3	-2.0	-1.1	No	No	No	No
2049	2 MILLARD CLOSE DARLINGTON	Residential	55	50	53.6	50.4	51.1	49.0	-2.5	-1.4	No	No	No	No
2050	5 SIMPSON TERRACE DARLINGTON	Residential	55	50	51.5	48.1	50.5	48.4	-1.0	0.3	No	No	No	No
2051	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.3	48.9	53.7	51.8	1.4	2.9	Yes	No	No	Yes
2052	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	49.7	46.6	51.4	49.3	1.7	2.7	No	No	No	No
2053	13 MILLARD CLOSE DARLINGTON	Residential	55	50	51.1	48.0	49.3	47.2	-1.8	-0.8	No	No	No	No
2054	6 SOLMAN LANE DARLINGTON	Residential	55	50	48.6	45.4	50.6	48.7	2.0	3.3	No	No	No	No
2055	14 GRAINGER CRESCENT DARLINGTON	Residential	55	50	59.6	56.7	55.9	53.7	-3.7	-3.0	No	No	No	No
2056	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.6	49.2	53.8	51.9	1.2	2.7	Yes	No	No	Yes
2058	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.5	49.1	53.7	51.8	1.2	2.7	Yes	No	No	Yes
2059	14 MILLARD CLOSE DARLINGTON	Residential	55	50	51.6	48.4	50.2	48.1	-1.4	-0.3	No	No	No	No
2060	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	52.4	49.1	51.1	49.0	-1.3	-0.1	No	No	No	No
2061	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.7	49.3	53.7	51.8	1.0	2.5	Yes	No	No	Yes
2062	8 GRAINGER CRESCENT DARLINGTON	Residential	55	50	57.2	54.2	53.9	51.8	-3.3	-2.4	No	No	No	No
2063	1 MILLARD CLOSE DARLINGTON	Residential	55	50	56.7	53.7	53.7	51.6	-3.0	-2.1	No	No	No	No
2064	4 SOLMAN LANE DARLINGTON	Residential	55	50	49.3	46.2	51.0	49.0	1.7	2.8	No	No	No	No
2065	12 GRAINGER CRESCENT DARLINGTON	Residential	55	50	60.3	57.3	56.6	54.4	-3.7	-2.9	No	No	No	No
2066	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	49.9	46.8	51.6	49.6	1.7	2.8	No	No	No	No
2067	10 GRAINGER CRESCENT DARLINGTON	Residential	55	50	58.9	55.9	55.5	53.3	-3.4	-2.6	No	No	No	No
2068	15 MILLARD CLOSE DARLINGTON	Residential	55	50	56.2	53.1	53.1	50.9	-3.1	-2.2	No	No	No	No
2069	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	56.3	53.2	53.1	51.0	-3.2	-2.2	No	No	No	No
2070	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	56.4	53.3	53.3	51.1	-3.1	-2.2	No	No	No	No
2071	106A LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	61.8	59.0	58.3	56.0	-3.5	-3.0	No	No	No	No
2072	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	53.2	49.9	53.9	51.9	0.7	2.0	Yes	No	No	No
2073	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	56.9	53.9	54.0	51.9	-2.9	-2.0	No	No	No	No
2074	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	56.8	53.7	53.8	51.6	-3.0	-2.1	No	No	No	No
2075	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	56.7	53.7	53.6	51.5	-3.1	-2.2	No	No	No	No
2076	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	56.8	53.7	53.8	51.6	-3.0	-2.1	No	No	No	No
2077	4 ALLEN COURT DARLINGTON	Residential	55	50	53.1	49.9	51.9	49.8	-1.2	-0.1	No	No	No	No
2078	3 ALLEN COURT DARLINGTON	Residential	55	50	53.7	50.4	51.9	49.9	-1.8	-0.5	No	No	No	No
2081	5 ALLEN COURT DARLINGTON	Residential	55	50	51.5	48.5	51.5	49.4	0.0	0.9	No	No	No	No
2082	106A LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	59.9	57.0	56.5	54.3	-3.4	-2.7	No	No	No	No
2083	6 ALLEN COURT DARLINGTON	Residential	55	50	54.5	51.4	53.2	51.1	-1.3	-0.3	Yes	No	No	No
2084	10 ALLEN COURT DARLINGTON	Residential	55	50	57.1	54.1	54.6	52.4	-2.5	-1.7	No	No	No	No
2085	11 ALLEN COURT DARLINGTON	Residential	55	50	58.3	55.3	55.4	53.2	-2.9	-2.1	No	No	No	No
2086	7 ALLEN COURT DARLINGTON	Residential	55	50	55.5	52.4	53.7	51.6	-1.8	-0.8	Yes	No	No	No
2087	2 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	67.3	64.6	63.6	61.3	-3.7	-3.3	No	No	No	No
2088	9B ALLEN COURT DARLINGTON	Residential	55	50	63.2	60.2	59.5	57.3	-3.7	-2.9	No	No	No	No
2089	4 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	66.6	63.8	62.9	60.6	-3.7	-3.2	No	No	No	No
2090	1 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	60.7	57.9	57.1	54.8	-3.6	-3.1	No	No	No	No
2091	9 ALLEN COURT DARLINGTON	Residential	55	50	63.6	60.6	59.8	57.6	-3.8	-3.3	No	No	No	No
2092	8 ALLEN COURT DARLINGTON	Residential	55	50	62.3	59.3	58.6	56.4	-3.7	-2.9	No	No	No	No
2093	6 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	63.5	60.6	59.8	57.5	-3.7	-3.1	No	No	No	No
2094	3 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	58.2	55.4	54.7	52.5	-3.5	-2.9	No	No	No	No
2095	110 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	52.8	49.8	50.4	48.2	-2.4	-1.6	No	No	No	No
2096	108 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	52.7	49.8	50.3	48.2	-2.4	-1.6	No	No	No	No
2097	5 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	55.3	52.4	52.2	50.0	-3.1	-2.4	No	No	No	No
2098	8 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	61.6	58.7	58.0	55.8	-3.6	-2.9	No	No	No	No
2100	112 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	53.3	50.4	50.8	48.6	-2.5	-1.8	No	No	No	No
2101	114 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	53.3	50.4	50.7	48.5	-2.6	-1.9	No	No	No	No
2102	12 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.3	59.4	58.7	56.4	-3.6	-3.0	No	No	No	No
2103	10 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.5	59.6	58.9	56.6	-3.6	-3.0	No	No	No	No
2104	14 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.6	59.8	59.1	56.8	-3.5	-3.0	No	No	No	No
2105	7-9 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	53.0	50.1	50.4	48.2	-2.6	-1.9	No	No	No	No
2106	116 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	53.3	50.3	50.7	48.5	-2.6	-1.8	No	No	No	No
2107	18 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.2	59.4	58.7	56.5	-3.5	-2.9	No	No	No	No
2108	16 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	61.9	59.1	58.4	56.2	-3.5	-2.9	No	No	No	No
2109	20 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	61.9	59.0	58.4	56.1	-3.5	-2.9	No	No	No	No
2110	118 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	53.0	50.0	50.4	48.2	-2.6	-1.8	No	No	No	No
2111	22 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	61.9	59.1	58.4	56.2	-3.5	-2.9	No	No	No	No
2112	120 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	52.7	49.8	50.2	48.0	-2.5	-1.8	No	No	No	No
2113	26 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	61.7	58.8	58.2	55.9	-3.5	-2.9	No	No	No	No
2114	24 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	61.4	58.6	58.0	55.7	-3.4	-2.9	No	No	No	No
2115	13 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.2	49.3	49.9	47.7	-2.3	-1.6	No	No	No	No
2116	11 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.9	50.0	50.3	48.1	-2.6	-1.9	No	No	No	No
2118	71 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	46.7	48.1	45.9	-1.6	-0.8	No	No	No	No
2119	69 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	49.8	46.8	48.2	46.1	-1.6	-0.7	No	No	No	No
2120	15 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	51.6	48.7	49.4	47.2	-2.2	-1.5	No	No	No	No
2121	30 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	61.0	58.1	57.6	55.3	-3.4	-2.8	No	No	No	No
2122	28 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	60.3	57.4	56.9	54.6	-3.4	-2.8	No	No	No	No
2124	17 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	51.6	48.7	49.6	47.4	-2.0	-1.3	No	No	No	No
2128	73 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	49.3	46.3	47.5	45.3	-1.8	-1.0	No	No	No	No
2129	19 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.1	49.1	50.1	47.9	-2.0	-1.2	No	No	No	No
2130*	4862 NEW ENGLAND HIGHWAY MCDougalls Hill	Residential	55	50	64.5	61.6	63.9	61.7	-0.6	0.1	Yes	Yes	No	Yes
2131	34 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	56.9	54.0	54.1	51.9	-2.8	-2.1	No	No	No	No
2132	21 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.1	49.2	50.2	48.0	-1.9	-1.2	No	No	No	No
2133	75 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.9	45.9	47.4	45.2	-1.5	-0.7	No	No	No	No
2135	36 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	58.1	55.3	55.3	53.1	-2.8	-2.2	No	No	No	No
2136	40 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	59.4	56.5	56.5	54.4	-2.9	-2.1	No	No	No	No
2137	38 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	58.4	55.6	55.6	53.4	-2.8	-2.2	No	No	No	No
2138	23 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.5	49.5	50.4	48.2	-2.1	-1.3	No	No	No	No
2141	44 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	58.6	55.7	56.1	53.9	-2.5	-1.8	No	No	No	No
2142	25 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.7	49.8	50.7	48.5	-2.0	-1.3	No	No	No	No
2143	42 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	57.2	54.3	54.9	52.7	-2.3	-1.6	Yes	No	No	No
2144	77 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.3	45.3	47.0	44.9	-1.3	-0.4	No	No	No	No
2145	46 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	58.3	55.4	56.1	53.9	-2.2	-1.5	Yes	No	No	No
2146	27 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	53.7	50.8	51.6	49.5	-2.1	-1.3	No	No	No	No
2147	79 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	45.1	47.1	45.0	-1.1	-0.1	No	No	No	No
2148	2 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.5	47.9	45.7	-0.8	0.2	No	No	No	No
2149	29 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	54.4	51.5	52.2	50.1	-2.2	-1.4	No	No	No	No
2150	2 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	55.6	52.7	54.7	52.6	-0.9	-0.1	Yes	No	No	No
2151	2 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	49.4	46.4	47.8	45.6	-1.6	-0.8	No	No	No	No

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - Noise Barrier										Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change							
			Day	Night	Day	Night	Day	Night	Day	Night						
2152	4 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	52.2	48.9	53.6	51.5	1.4	2.6	Yes	No	No	Yes		
2153	81 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.9	44.9	46.9	44.8	-1.0	-0.1	No	No	No	No		
2154	4 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.8	45.5	48.0	45.9	-0.8	0.4	No	No	No	No		
2155	31 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	50.6	47.6	49.9	47.8	-0.7	0.2	No	No	No	No		
2156	33 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	50.6	47.6	50.2	48.1	-0.4	0.5	No	No	No	No		
2157	5 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.6	45.6	47.3	45.2	-1.3	-0.4	No	No	No	No		
2158	37 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	50.7	47.4	52.3	50.2	1.6	2.8	No	No	No	No		
2159	35 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	51.6	48.6	51.1	49.0	-0.5	0.4	No	No	No	No		
2160	29 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.4	49.2	51.2	49.1	-1.2	-0.1	No	No	No	No		
2161	1 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.6	48.5	50.4	48.3	-1.2	-0.2	No	No	No	No		
2162	6 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.7	47.1	51.8	49.8	1.1	2.7	No	No	No	No		
2163	1 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	49.1	46.2	47.6	45.5	-1.5	-0.7	No	No	No	No		
2164	4 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	45.0	47.5	45.4	-0.7	0.4	No	No	No	No		
2165	37 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	50.5	47.1	52.3	50.2	1.8	3.1	No	No	No	No		
2166	6 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.4	45.2	47.6	45.5	-0.8	0.3	No	No	No	No		
2167	8 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.8	46.6	52.0	49.9	2.2	3.3	No	No	No	No		
2168	2 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.4	48.0	50.7	48.6	-0.7	0.6	No	No	No	No		
2169	3 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.3	47.2	49.4	47.3	-0.9	0.1	No	No	No	No		
2170	1 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.0	46.6	51.0	49.0	1.0	2.4	No	No	No	No		
2171	7 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	44.5	47.1	45.0	-0.5	0.5	No	No	No	No		
2172	9 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.6	45.3	47.3	45.2	-1.3	-0.1	No	No	No	No		
2173	6 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.9	47.5	45.4	-0.7	0.5	No	No	No	No		
2174	10 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.3	46.9	52.2	50.1	1.9	3.2	No	No	No	No		
2175	38 MAISON DIEU ROAD MCDougALLS HILL	Residential	55	50	59.3	55.8	58.5	54.9	-0.8	-0.9	Yes	Yes	No	Yes		
2176	5 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.2	47.0	49.3	47.2	-0.9	0.2	No	No	No	No		
2177	3 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.3	46.8	52.4	50.3	2.1	3.5	No	No	No	No		
2178	9 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.5	47.9	45.8	-0.8	0.3	No	No	No	No		
2179	8 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	45.1	47.9	45.8	-0.3	0.7	No	No	No	No		
2180	16 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	51.8	48.6	51.2	49.1	-0.6	0.5	No	No	No	No		
2181	3 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	44.3	46.7	44.6	-0.8	0.3	No	No	No	No		
2182	7 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	51.0	48.0	50.7	48.5	-0.3	0.5	No	No	No	No		
2183	4 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.8	48.5	51	48.9	-0.8	0.4	No	No	No	No		
2184	58 MAISON DIEU ROAD MCDougALLS HILL	Caravan Park	0	0	55.8	52.3	54.7	51.6	-1.1	-0.7	No	No	No	No		
2185	58 MAISON DIEU ROAD MCDougALLS HILL	Caravan Park	0	0	57.7	54.1	57.8	52.1	0.1	-2.0	No	No	No	No		
2186	12 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	51.1	48.0	52.6	50.6	1.5	2.6	Yes	No	No	Yes		
2187	38 MAISON DIEU ROAD MCDougALLS HILL	Caravan Park	0	0	57.8	54.3	56.8	54.0	-1.0	-0.3	No	No	No	No		
2188	5 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	51.3	48.0	51.0	48.9	-0.3	0.9	No	No	No	No		
2189	7 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.1	44.8	47.3	45.2	-0.8	0.4	No	No	No	No		
2190	58 MAISON DIEU ROAD MCDougALLS HILL	Caravan Park	0	0	55.2	51.5	54.4	51.2	-0.8	-0.3	No	No	No	No		
2191	38 MAISON DIEU ROAD MCDougALLS HILL	Caravan Park	0	0	57.6	54.1	56.5	53.9	-1.1	-0.2	No	No	No	No		
2192	14 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.7	47.1	52.6	50.5	1.9	3.4	Yes	No	No	Yes		
2193	58 MAISON DIEU ROAD MCDougALLS HILL	Caravan Park	0	0	52.3	48.6	51.3	48.2	-1.0	-0.4	No	No	No	No		
2194	6 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.5	48.2	50.8	48.7	-0.7	0.5	No	No	No	No		
2195	14 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	51.1	48.1	50.0	47.8	-1.1	-0.3	No	No	No	No		
2196	5 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.2	46.7	52.1	50.0	1.9	3.3	No	No	No	No		
2197	8 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.4	47.9	45.8	-0.8	0.4	No	No	No	No		
2198	11 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.8	45.5	48.2	46.1	-0.6	0.6	No	No	No	No		
2199	58 MAISON DIEU ROAD MCDougALLS HILL	Caravan Park	0	0	55.0	51.3	53.5	50.8	-1.5	-0.5	No	No	No	No		
2200	58 MAISON DIEU ROAD MCDougALLS HILL	Caravan Park	0	0	51.4	47.7	50.5	47.6	-0.9	-0.1	No	No	No	No		
2201	58 MAISON DIEU ROAD MCDougALLS HILL	Caravan Park	0	0	56.0	52.4	54.1	51.8	-1.9	-0.6	No	No	No	No		
2202	7 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.9	46.6	49.0	46.9	-0.9	0.3	No	No	No	No		
2203	8 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.9	47.7	45.6	-0.5	0.7	No	No	No	No		
2204	58 MAISON DIEU ROAD MCDougALLS HILL	Caravan Park	0	0	56.7	53.2	55.1	52.8	-1.6	-0.4	No	No	No	No		
2205	5 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.3	44.1	46.7	44.6	-0.6	0.5	No	No	No	No		
2206	3 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	50.2	46.9	50.6	48.5	0.4	1.6	No	No	No	No		
2207	12 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	50.4	46.9	50.4	48.3	0.0	1.4	No	No	No	No		
2208	9 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.0	46.7	49.2	47.1	-0.8	0.4	No	No	No	No		
2209	58 MAISON DIEU ROAD MCDougALLS HILL	Caravan Park	0	0	56.6	53.1	55.1	52.8	-1.5	-0.3	No	No	No	No		
2210	16 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.5	47.0	52.6	50.6	2.1	3.6	Yes	No	No	Yes		
2211	7 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.5	47.1	52.0	49.9	1.5	2.8	No	No	No	No		
2212	8 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.2	47.8	50.7	48.6	-0.5	0.8	No	No	No	No		
2213	10 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.9	45.6	48.0	45.9	-0.9	0.3	No	No	No	No		
2214	10 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.4	48.0	45.9	-0.7	0.5	No	No	No	No		
2215	13 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.1	45.7	48.2	46.2	-0.9	0.5	No	No	No	No		
2216	5 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.4	44.2	46.9	44.8	-0.5	0.6	No	No	No	No		
2217	18 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.4	46.8	52.6	50.5	2.2	3.7	Yes	No	No	Yes		
2218	1 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	49.8	46.4	50.4	48.3	0.6	1.9	No	No	No	No		
2219	10 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	50.6	47.1	50.5	48.5	-0.1	1.4	No	No	No	No		
2220	7 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.9	46.7	44.6	-0.4	0.7	No	No	No	No		
2221	58 MAISON DIEU ROAD MCDougALLS HILL	Caravan Park	0	0	56.4	52.8	54.9	52.6	-1.5	-0.2	No	No	No	No		
2222	11 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.9	46.6	49.1	47.0	-0.8	0.4	No	No	No	No		
2223	15 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.8	45.5	48.0	46.0	-0.8	0.5	No	No	No	No		
2224	14 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	44.3	47.1	45.0	-0.4	0.7	No	No	No	No		
2225	10 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.6	48.3	51.0	48.9	-0.6	0.6	No	No	No	No		
2226	12 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.4	45.1	47.8	45.7	-0.6	0.6	No	No	No	No		
2227	9 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.3	46.8	51.8	49.7	1.5	2.9	No	No	No	No		
2228	3 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.1	43.9	46.6	44.5	-0.5	0.6	No	No	No	No		
2229*	4864 NEW ENGLAND HIGHWAY MCDougALLS HILL	Residential	55	50	59.4	56.5	61.0	58.8	1.6	2.3	Yes	Yes	No	Yes		
2230	20 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.1	46.5	52.0	49.9	1.9	3.4	No	No	No	No		
2231	13 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	46.3	49.1	47.0	-0.6	0.7	No	No	No	No		
2232	8 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	50.4	46.9	50.2	48.2	-0.2	1.3	No	No	No	No		
2233	9 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.6	46.6	44.5	-0.3	0.9	No	No	No	No		
2234	8 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.7	45.4	48.1	46.0	-0.6	0.6	No	No	No	No		
2236	12 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.5	48.1	51.0	49.0	-0.5	0.9	No	No	No	No		
2237	14 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.9	44.7	47.5	45.4	-0.4	0.7	No	No	No	No		
2238	19 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.3	44.8	47.9	45.8	-0.4	1.0	No	No	No	No		
2239	6 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.3	45.0	47.8	45.7	-0.5	0.7	No	No	No	No		
2240	22 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.0	46.4	52.3	50.2	2.3	3.8	No	No	No	No		
2241	17 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	47.2	44.2	46.6	44.5	-0.6	0.3	No	No	No	No		
2242	15 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	46.4	49.1	47.0	-0.6	0.6	No	No	No	No		
2243	6 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	49.7	46.4	49.8	47.7	0.1	1.3	No	No	No	No		
2244	1 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	46.8	43.4	46.3	44.3	-0.5	0.9	No	No	No	No		

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - Noise Barrier									Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change						
			Day	Night	Day	Night	Day	Night	Day	Night					
2245	11 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	43.2	46.4	44.3	-0.1	1.1	No	No	No	No	
2246	14 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.2	47.8	50.7	48.7	-0.5	0.9	No	No	No	No	
2247	16 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.1	44.6	47.6	45.6	-0.5	1.0	No	No	No	No	
2248	4 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	49.6	46.3	49.8	47.7	0.2	1.4	No	No	No	No	
2249	17 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	52.0	48.6	51.1	49.0	-0.9	0.4	No	No	No	No	
2250	4 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.9	44.7	47.7	45.6	-0.2	0.9	No	No	No	No	
2251	24 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	46.0	51.8	49.7	2.1	3.7	No	No	No	No	
2252	16 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.1	47.7	50.7	48.6	-0.4	0.9	No	No	No	No	
2253	2 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	49.4	46.2	49.9	47.8	0.5	1.6	No	No	No	No	
2254	11 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.0	46.3	51.5	49.5	1.5	3.2	No	No	No	No	
2255	18 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.7	47.5	45.4	-0.7	0.7	No	No	No	No	
2256	1 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	45.0	42.0	44.4	42.2	-0.6	0.2	No	No	No	No	
2257	11 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.6	46.1	44.1	-0.8	0.5	No	No	No	No	
2258	13 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	43.1	46.4	44.3	0.0	1.2	No	No	No	No	
2259	3 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	42.3	45.1	43.1	-0.2	0.8	No	No	No	No	
2260	5 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	45.7	42.7	45.0	42.8	-0.7	0.1	No	No	No	No	
2261	26 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.6	45.9	51.7	49.6	2.1	3.7	No	No	No	No	
2262	19 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.4	46.0	49.0	46.9	-0.4	0.9	No	No	No	No	
2263	20 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	47.4	43.8	47.2	45.1	-0.2	1.3	No	No	No	No	
2264	18 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	52.2	48.9	51.8	49.7	-0.4	0.8	No	No	No	No	
2265	2 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.8	44.4	47.3	45.3	-0.5	0.9	No	No	No	No	
2266	13 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.4	45.7	50.9	48.8	1.5	3.1	No	No	No	No	
2267	20 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.3	44.9	47.5	45.4	-0.8	0.5	No	No	No	No	
2268	18 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	42.8	46.4	44.3	-0.1	1.5	No	No	No	No	
2269	21 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.5	45.9	49.2	47.1	-0.3	1.2	No	No	No	No	
2270	20 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.3	47.1	50.4	48.4	0.1	1.3	No	No	No	No	
2271	28 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.0	45.2	51.2	49.1	2.2	3.9	No	No	No	No	
2272	22 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.7	47.2	50.8	48.8	0.1	1.6	No	No	No	No	
2273	23 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	46.2	49.3	47.2	-0.4	1.0	No	No	No	No	
2274	22 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.8	44.5	47.4	45.3	-0.4	0.8	No	No	No	No	
2275	15 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.2	45.4	50.2	48.1	1.0	2.7	No	No	No	No	
2276	22 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	46.3	50.1	48.1	0.4	1.8	No	No	No	No	
2277	22 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.7	47.8	45.7	-0.4	1.0	No	No	No	No	
2278	21 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	45.1	48.1	46.0	-0.4	0.9	No	No	No	No	
2279	1 PARK VIEW CRESCENT MCDUGALLS HILL	Residential	55	50	66.0	62.4	62.3	60.5	-3.7	-1.9	No	No	No	No	
2280	30 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	45.8	51.5	49.4	1.8	3.6	No	No	No	No	
2281	24 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.7	44.3	47.4	45.4	-0.3	1.1	No	No	No	No	
2282	23 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	43.5	46.4	44.3	0.0	0.8	No	No	No	No	
2283	25 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.4	45.9	49.1	47.1	-0.3	1.2	No	No	No	No	
2284	15 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	43.6	46.5	44.4	-0.5	0.8	No	No	No	No	
2285	2 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	45.4	42.4	45.2	43.2	-0.2	0.8	No	No	No	No	
2286	24 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.3	44.8	48.1	46.0	-0.2	1.2	No	No	No	No	
2287	24 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.0	46.5	49.6	47.6	-0.4	1.1	No	No	No	No	
2288	4 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	42.7	45.4	43.3	-0.4	0.6	No	No	No	No	
2289	6 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	46.2	43.2	45.8	43.7	-0.4	0.5	No	No	No	No	
2290	8 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	43.2	45.9	43.8	-0.4	0.6	No	No	No	No	
2291	10 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	43.5	46.0	43.9	-0.5	0.4	No	No	No	No	
2292	12 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	43.3	45.8	43.7	-0.5	0.4	No	No	No	No	
2293	25 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.7	47.8	45.7	-0.4	1.0	No	No	No	No	
2294	26 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.0	44.5	47.7	45.6	-0.3	1.1	No	No	No	No	
2295	17 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.8	46.9	44.8	-0.2	1.0	No	No	No	No	
2296	33 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	43.4	45.7	43.6	-0.7	0.2	No	No	No	No	
2297	26 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.4	46.8	50.6	48.5	0.2	1.7	No	No	No	No	
2298	27 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.2	45.7	49.1	47.0	-0.1	1.3	No	No	No	No	
2299	32 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.2	45.3	51.1	49.0	1.9	3.7	No	No	No	No	
2300	26 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	45.0	48.3	46.2	-0.2	1.2	No	No	No	No	
2301	28 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	44.2	47.1	45.0	-0.5	0.8	No	No	No	No	
2302	31 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	42.8	45.5	43.3	-0.9	0.5	No	No	No	No	
2303	3 PARK VIEW CRESCENT MCDUGALLS HILL	Residential	55	50	58.5	54.5	55.5	53.6	-3.0	-0.9	No	No	No	No	
2304	28 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.6	47.0	50.9	48.9	0.3	1.9	No	No	No	No	
2305	27 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.1	44.6	47.8	45.7	-0.3	1.1	No	No	No	No	
2306	29 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.3	45.7	49.6	47.6	0.3	1.9	No	No	No	No	
2307	5 PARK VIEW CRESCENT MCDUGALLS HILL	Residential	55	50	55.9	51.9	54.1	51.9	-1.8	0.0	Yes	No	No	No	
2309	19 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.7	46.7	44.7	-0.4	1.0	No	No	No	No	
2310	28 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	44.9	48.4	46.3	-0.1	1.4	No	No	No	No	
2311	30 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	44.0	47.1	44.9	-0.4	0.9	No	No	No	No	
2312	29 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	43.1	45.7	43.6	-0.8	0.5	No	No	No	No	
2313	30 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.1	46.6	50.6	48.6	0.5	2.0	No	No	No	No	
2314	31 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.5	45.9	49.6	47.6	0.1	1.7	No	No	No	No	
2315	21 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.6	46.9	44.8	-0.2	1.2	No	No	No	No	
2316	25 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.0	42.8	45.5	43.4	-0.5	0.6	No	No	No	No	
2317	32 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.7	47.1	51.2	49.2	0.5	2.1	No	No	No	No	
2319	32 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	43.2	46.2	44.1	-0.1	0.9	No	No	No	No	
2320	29 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.1	44.6	47.8	45.8	-0.3	1.2	No	No	No	No	
2321	30 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.4	44.9	48.5	46.4	0.1	1.5	No	No	No	No	
2322	21 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	45.5	42.3	45.2	43.0	-0.3	0.7	No	No	No	No	
2323	27 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	43.0	45.6	43.5	-0.8	0.5	No	No	No	No	
2324	19 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	43.2	46.4	44.3	-0.3	1.1	No	No	No	No	
2325	23 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	45.1	41.9	44.7	42.5	-0.4	0.6	No	No	No	No	
2326	31 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	47.9	44.5	47.8	45.7	-0.1	1.2	No	No	No	No	
2327	33 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	46.0	49.6	47.6	-0.1	1.6	No	No	No	No	
2328	34 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.9	47.3	52.0	49.9	1.1	2.6	No	No	No	No	
2329	23 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.2	43.7	46.8	44.7	-0.4	1.0	No	No	No	No	
2331	32 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	44.9	48.6	46.5	0.1	1.6	No	No	No	No	
2332	4876 NEW ENGLAND HIGHWAY MCDUGALLS HILL	Residential	55	50	50.7	47.1	65.2	62.0	14.5	14.9	Yes	No	No	Yes	
2333	35 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.6	46.0	49.8	47.8	0.2	1.8	No	No	No	No	
2334	17 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.6	43.4	46.1	43.9	-0.5	0.5	No	No	No	No	
2335	33 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	47.2	43.7	47.4	45.3	0.2	1.6	No	No	No	No	
2336	34 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	46.0	42.5	45.6	43.4	-0.4	0.9	No	No	No	No	
2337	52 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.8	43.3	46.1	44.0	-0.7	0.7	No	No	No	No	
2338	36 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.9	45.0	50.3	48.2	1.4	3.2	No	No	No	No	
2339	37 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.4	45.9	49.4	47.3	0.0	1.4	No	No	No	No	

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - Noise Barrier										Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change							
			Day	Night	Day	Night	Day	Night	Day	Night						
2340	34 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.0	44.3	48.0	45.9	0.0	1.6	No	No	No	No		
2341	15 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	45.2	42.0	45.6	43.4	0.4	1.4	No	No	No	No		
2342	50 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	43.0	45.6	43.5	-0.8	0.5	No	No	No	No		
2344	39 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.1	45.6	49.6	47.5	0.5	1.9	No	No	No	No		
2345	13 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	43.4	46.7	44.6	0.0	1.2	No	No	No	No		
2346	41 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.4	45.6	50.3	48.2	0.9	2.6	No	No	No	No		
2347	35 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	42.8	46.8	44.7	0.4	1.9	No	No	No	No		
2348	48 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.8	45.6	43.5	-0.7	0.7	No	No	No	No		
2349	38 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.1	45.2	50.4	48.3	1.3	3.1	No	No	No	No		
2351	46 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	45.4	42.1	44.9	42.8	-0.5	0.7	No	No	No	No		
2352	36 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	46.2	42.9	46.5	44.4	0.3	1.5	No	No	No	No		
2353	17 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.1	44.3	49.0	46.9	0.9	2.6	No	No	No	No		
2354	9 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.3	44.7	48.2	46.2	-0.1	1.5	No	No	No	No		
2355	34 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.4	46.4	44.3	-0.5	0.9	No	No	No	No		
2356	36 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	43.3	46.2	44.1	-0.5	0.8	No	No	No	No		
2357	38 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.2	42.9	45.7	43.6	-0.5	0.7	No	No	No	No		
2358	40 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	43.8	40.2	45.5	43.4	1.7	3.2	No	No	No	No		
2359	11 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	44.1	47.8	45.7	0.3	1.6	No	No	No	No		
2360	40 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	44.8	50.1	48.0	1.4	3.2	No	No	No	No		
2361	32 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	43.1	45.9	43.8	-0.6	0.7	No	No	No	No		
2362	42 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	44.2	40.6	46.0	43.9	1.8	3.3	No	No	No	No		
2363	2 PARK VIEW CRESCENT MCDUGALLS HILL	Residential	55	50	66.9	62.4	63.0	61.1	-3.9	-1.3	No	No	No	No		
2364	30 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.8	43.4	46.4	44.3	-0.4	0.9	No	No	No	No		
2365	44 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	44.0	40.2	44.9	42.8	0.9	2.6	No	No	No	No		
2366	7 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.6	45.0	48.7	46.6	0.1	1.6	No	No	No	No		
2367	19 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.3	48.9	46.9	0.7	2.6	No	No	No	No		
2368	5 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.6	45.0	48.6	46.5	0.0	1.5	No	No	No	No		
2369	28 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.6	46.6	44.5	-0.5	0.9	No	No	No	No		
2371	3 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.7	48.5	46.4	0.3	1.7	No	No	No	No		
2372	26 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.7	46.7	44.7	-0.4	1.0	No	No	No	No		
2373	42 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	44.6	49.9	47.8	1.4	3.2	No	No	No	No		
2374	22 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47	43.5	46.8	44.7	-0.2	1.2	No	No	No	No		
2375	24 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.6	43.1	46.3	44.2	-0.3	1.1	No	No	No	No		
2376	1 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.3	44.5	48.9	46.8	0.6	2.3	No	No	No	No		
2377	44 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.1	49.4	47.3	1.2	3.2	No	No	No	No		
2378	20 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.5	46.7	44.6	-0.4	1.1	No	No	No	No		
2380	18 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.3	43.8	46.9	44.8	-0.4	1.0	No	No	No	No		
2381	16 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	44.0	47.4	45.3	-0.2	1.3	No	No	No	No		
2383	12 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	43.9	47.3	45.3	-0.2	1.4	No	No	No	No		
2384	14 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.5	46.9	44.8	0.0	1.3	No	No	No	No		
2385	46 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.1	44.2	49.5	47.4	1.4	3.2	No	No	No	No		
2386	10 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.3	43.8	47.1	45.0	-0.2	1.2	No	No	No	No		
2387	8 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.7	44.1	47.6	45.5	-0.1	1.4	No	No	No	No		
2388	48 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	47.9	43.9	49.5	47.4	1.6	3.5	No	No	No	No		
2389	6 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.7	44.2	47.8	45.7	0.1	1.5	No	No	No	No		
2390	4 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.0	44.2	48.3	46.2	0.3	2.0	No	No	No	No		
2391	2 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.4	44.7	48.6	46.5	0.2	1.8	No	No	No	No		
2392	50 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	43.7	49.0	46.9	1.4	3.2	No	No	No	No		
2393	21 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.4	44.7	48.7	46.7	0.3	2.0	No	No	No	No		
2394	12 MCDUGALL CLOSE MCDUGALLS HILL	Residential	55	50	56.6	52.3	53.8	51.7	-2.8	-0.6	No	No	No	No		
2395	4 PARK VIEW CRESCENT MCDUGALLS HILL	Residential	55	50	62.7	58.1	59.1	57.2	-3.6	-0.9	No	No	No	No		
2396	52 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	47.4	43.5	48.8	46.7	1.4	3.2	No	No	No	No		
2399	54 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	43.0	48.4	46.2	1.4	3.2	No	No	No	No		
2401	56 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	47	43	48.3	46.2	1.3	3.2	No	No	No	No		
2403	58 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	42.8	48.2	46.1	1.5	3.3	No	No	No	No		
2405	11 MCDUGALL CLOSE MCDUGALLS HILL	Residential	55	50	54.4	50.2	52.3	50.3	-2.1	0.1	No	No	No	No		
2407	60 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	42.5	47.8	45.7	1.4	3.2	No	No	No	No		
2408	99 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	42.3	45.7	43.7	-0.1	1.4	No	No	No	No		
2409	62 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	41.8	47.1	45.0	1.3	3.2	No	No	No	No		
2412	10 MCDUGALL CLOSE MCDUGALLS HILL	Residential	55	50	62.6	58.0	59.0	57.1	-3.6	-0.9	No	No	No	No		
2413	64 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.7	41.8	46.9	44.8	1.2	3.0	No	No	No	No		
2414	2 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.4	41.4	46.6	44.4	1.2	3.0	No	No	No	No		
2415	92 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	41.7	45.2	43.1	-0.1	1.4	No	No	No	No		
2416	86 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	44.5	41	44.7	42.6	0.2	1.6	No	No	No	No		
2417	23 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.7	41.0	44.9	42.8	0.2	1.8	No	No	No	No		
2418	1 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.3	42.7	47.1	45.0	0.8	2.3	No	No	No	No		
2419	84 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.2	41.7	45.2	43.2	0.0	1.5	No	No	No	No		
2420	88 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	44.1	40.6	43.9	41.8	-0.2	1.2	No	No	No	No		
2421	90 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	44.2	40.7	44.0	42.0	-0.2	1.3	No	No	No	No		
2422	4 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.4	41.6	46.7	44.6	1.3	3.0	No	No	No	No		
2423	82 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	41.6	45.6	43.6	0.3	2.0	No	No	No	No		
2425	80 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	41.8	45.6	43.5	0.3	1.7	No	No	No	No		
2426	78 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.4	41.8	45.7	43.6	0.3	1.8	No	No	No	No		
2427	66 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.5	42.0	46.4	44.3	0.9	2.3	No	No	No	No		
2429	76 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	41.7	46.0	43.9	0.7	2.2	No	No	No	No		
2430	23 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.4	40.9	44.4	42.3	0.0	1.4	No	No	No	No		
2431	74 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.5	41.9	46.0	43.9	0.5	2.0	No	No	No	No		
2432	70 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	41.7	45.8	43.7	0.5	2.0	No	No	No	No		
2433	68 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.2	41.7	45.9	43.8	0.7	2.1	No	No	No	No		
2434	28 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.9	41.3	45.0	42.9	0.1	1.6	No	No	No	No		
2435	84 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	43.8	40.1	43.6	41.5	-0.2	1.4	No	No	No	No		
2436	6 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.0	41.2	46.5	44.4	1.5	3.2	No	No	No	No		
2437	3 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.6	41.9	46.8	44.7	1.2	2.8	No	No	No	No		
2438	72 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.1	41.6	45.6	43.5	0.5	1.9	No	No	No	No		
2439	4 FOREST AVENUE SINGLETON HEIGHTS	Residential	55	50	44.1	40.4	43.7	41.6	-0.4	1.2	No	No	No	No		
2440	82 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	44.9	41.2	45.2	43.1	0.3	1.9	No	No	No	No		
2443	9 MCDUGALL CLOSE MCDUGALLS HILL	Residential	55	50	56.7	52.3	54.2	52.2	-2.5	-0.1	No	No	No	No		
2444	8 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.8	41.0	46.3	44.2	1.5	3.2	No	No	No	No		
2445	6 FOREST AVENUE SINGLETON HEIGHTS	Residential	55	50	43.6	40.1	43.8	41.7	0.2	1.6	No	No	No	No		
2447	26 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.0	41.5	45.0	43.0	0.0	1.5	No	No	No	No		
2448	15 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.6	40.9	44.5	42.4	-0.1	1.5	No	No	No	No		
2449	13 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.0	41.4	45.0	42.9	0.0	1.5	No	No	No	No		

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - Noise Barrier										Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change							
			Day	Night	Day	Night	Day	Night	Day	Night						
2450	5 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.5	41.8	46.6	44.5	1.1	2.7	No	No	No	No		
2451	8 FOREST AVENUE SINGLETON HEIGHTS	Residential	55	50	43.8	40.0	43.6	41.5	-0.2	1.5	No	No	No	No		
2452	24 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.1	41.5	45.0	42.9	-0.1	1.4	No	No	No	No		
2453	11 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.7	41.2	45.3	43.2	0.6	2.0	No	No	No	No		
2454	9 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.5	40.9	45.3	43.2	0.8	2.3	No	No	No	No		
2455	5 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.5	40.7	45.1	43.0	0.6	2.3	No	No	No	No		
2456	7 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.4	40.7	45.0	42.9	0.6	2.2	No	No	No	No		
2457	24 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.8	41.3	44.7	42.6	-0.1	1.3	No	No	No	No		
2458	10 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.5	40.7	46.0	43.9	1.5	3.2	No	No	No	No		
2459	7 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.2	41.5	46.5	44.4	1.3	2.9	No	No	No	No		
2460	20 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.2	40.5	44.5	42.4	0.3	1.9	No	No	No	No		
2461	1 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.1	41.5	46.3	44.2	1.2	2.7	No	No	No	No		
2462	3 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.7	41.0	45.3	43.2	0.6	2.2	No	No	No	No		
2463	18 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.5	41.0	44.7	42.6	0.2	1.6	No	No	No	No		
2464	14 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.1	40.6	44.4	42.3	0.3	1.7	No	No	No	No		
2465	2 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	44.7	41.3	44.9	42.8	0.2	1.5	No	No	No	No		
2466	11 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.2	40.6	44.7	42.6	0.5	2.0	No	No	No	No		
2467	1 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	44.9	41.2	45.4	43.3	0.5	2.1	No	No	No	No		
2468	3 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	45.3	41.7	45.3	43.2	0.0	1.5	No	No	No	No		
2469	1 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	44.0	40.5	44.1	42.0	0.1	1.5	No	No	No	No		
2470	10 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.0	40.4	44.5	42.4	0.5	2.0	No	No	No	No		
2471	2 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	42.9	39.2	43.5	41.3	0.6	2.1	No	No	No	No		
2472	16 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.8	41.1	44.6	42.5	-0.2	1.4	No	No	No	No		
2473	26 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.1	41.4	45.5	43.4	0.4	2.0	No	No	No	No		
2474	2 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.0	41.4	45.5	43.4	0.5	2.0	No	No	No	No		
2475	14 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.0	41.4	46.1	44.0	1.1	2.6	No	No	No	No		
2476	3 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	41.5	45.9	43.8	0.6	2.3	No	No	No	No		
2477	5 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	41.6	45.6	43.5	0.3	1.9	No	No	No	No		
2478	2 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.2	40.4	45.5	43.4	1.3	3.0	No	No	No	No		
2479	9 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.3	41.8	46.5	44.4	1.2	2.6	No	No	No	No		
2480	3 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.3	40.7	44.9	42.8	0.6	2.1	No	No	No	No		
2481	9 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.6	40.9	44.9	42.8	0.3	1.9	No	No	No	No		
2482	4 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	45.2	41.6	45.2	43.2	0.0	1.6	No	No	No	No		
2483	4 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	44.4	40.6	45.0	42.9	0.6	2.3	No	No	No	No		
2484	24 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.4	40.8	45.3	43.2	0.9	2.4	No	No	No	No		
2485	16 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.1	40.4	45.9	43.8	1.8	3.4	No	No	No	No		
2486	4 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.9	41.2	45.1	43.0	0.2	1.8	No	No	No	No		
2487	4 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.6	40.9	45.7	43.6	1.1	2.7	No	No	No	No		
2488	5 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	44.0	40.5	44.0	41.8	0.0	1.3	No	No	No	No		
2489	7 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	44.4	41.0	44.6	42.6	0.2	1.6	No	No	No	No		
2490	8 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.3	41.8	45.7	43.6	0.4	1.8	No	No	No	No		
2491	11 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.2	41.6	46.6	44.4	1.4	2.8	No	No	No	No		
2492	7 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.7	42.1	46.4	44.3	0.7	2.2	No	No	No	No		
2493	18 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	43.8	40.1	45.6	43.4	1.8	3.3	No	No	No	No		
2494	6 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	44.4	40.6	45.1	43.0	0.7	2.4	No	No	No	No		
2495	17 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	45.8	42.3	45.7	43.7	-0.1	1.4	No	No	No	No		
2496	6 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	44.3	40.9	44.5	42.4	0.2	1.5	No	No	No	No		
2497	7 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	46.4	42.8	46.5	44.5	0.1	1.7	No	No	No	No		
2498	5 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	46.6	43.0	46.6	44.6	0.0	1.6	No	No	No	No		
2499	22 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.1	41.4	45.9	43.8	0.8	2.4	No	No	No	No		
2500	6 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.3	40.5	45.2	43.1	0.9	2.6	No	No	No	No		
2501	9 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.9	42.3	46.4	44.4	0.5	2.1	No	No	No	No		
2502	20 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	42.5	38.7	42.4	40.3	-0.1	1.6	No	No	No	No		
2503	8 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	44.5	41.0	45.3	43.2	0.8	2.2	No	No	No	No		
2504	13 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.0	41.3	46.5	44.4	1.5	3.1	No	No	No	No		
2505	6 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.6	42.2	45.8	43.7	0.2	1.5	No	No	No	No		
2506	20 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.4	41.7	46.3	44.2	0.9	2.5	No	No	No	No		
2507	19 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.9	41.3	44.9	42.8	0.0	1.5	No	No	No	No		
2508	45 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	42.7	39.1	42.9	40.8	0.2	1.7	No	No	No	No		
2509	8 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.2	40.5	45.3	43.2	1.1	2.7	No	No	No	No		
2510	43 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.1	41.5	45.1	43.1	0.0	1.6	No	No	No	No		
2511	11 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.2	42.5	46.8	44.8	0.6	2.3	No	No	No	No		
2513	18 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.5	40.7	45.0	42.9	0.5	2.2	No	No	No	No		
2514	10 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	44.9	41.4	45.5	43.5	0.6	2.1	No	No	No	No		
2515	15 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.8	41.0	46.3	44.2	1.5	3.2	No	No	No	No		
2516	41 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.3	41.8	45.1	43.1	-0.2	1.3	No	No	No	No		
2517	13 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.5	46.7	44.7	0.4	2.2	No	No	No	No		
2518	10 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.3	40.8	45.8	43.7	1.5	2.9	No	No	No	No		
2519	24 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.2	40.5	46.0	43.8	1.8	3.3	No	No	No	No		
2520	39 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.0	42.5	46.0	43.9	0.0	1.4	No	No	No	No		
2521	21 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	45.3	41.7	45.2	43.1	-0.1	1.4	No	No	No	No		
2522	37 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	43.9	41.0	45.8	43.6	1.9	2.6	No	No	No	No		
2524	23 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.7	41.4	45.5	43.4	0.8	2.0	No	No	No	No		
2525	15 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.1	42.4	46.7	44.6	0.6	2.2	No	No	No	No		
2526	16 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.4	41.8	46.4	44.3	1.0	2.5	No	No	No	No		
2527	12 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.1	41.2	45.7	43.6	0.6	2.4	No	No	No	No		
2528	17 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.9	41.1	46.5	44.4	1.6	3.3	No	No	No	No		
2529	35 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.7	42.2	46.0	44.0	0.3	1.8	No	No	No	No		
2530	12 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	42.0	46.3	44.2	0.5	2.2	No	No	No	No		
2531	26 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.5	40.8	46.2	44.1	1.7	3.3	No	No	No	No		
2532	56 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.1	41.5	46.0	43.8	0.9	2.3	No	No	No	No		
2533	17 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	42.9	47.2	45.1	0.7	2.2	No	No	No	No		
2534	14 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.6	41.1	45.6	43.6	1.0	2.5	No	No	No	No		
2535	28 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.9	41.2	46.8	44.7	1.9	3.5	No	No	No	No		
2536	19 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.8	41.1	46.2	44.1	1.4	3.0	No	No	No	No		
2537	58 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	42.4	39.3	44.1	41.9	1.7	2.6	No	No	No	No		
2538	60 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	43.7	39.9	42.7	40.6	-1.0	0.7	No	No	No	No		
2539	24 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	41.3	37.8	42.5	40.3	1.2	2.5	No	No	No	No		
2540	14 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.5	46.7	44.6	0.4	2.1	No	No	No	No		
2541	16 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	42.4	46.9	44.8	1.1	2.4	No	No	No	No		
2542	21 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.7	41.9	47.4	45.3	1.7	3.4	No	No	No	No		
2543	54 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.7	41.3	46.1	43.9	1.4	2.6	No	No	No	No		

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - Noise Barrier										Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change							
			Day	Night	Day	Night	Day	Night	Day	Night						
2544	31 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.1	42.4	46.3	44.3	0.2	1.9	No	No	No	No		
2545	23 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.7	40.9	46.1	43.9	1.4	3.0	No	No	No	No		
2546	30 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.2	41.6	47.5	45.4	2.3	3.8	No	No	No	No		
2547	50 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.1	42.1	45.7	43.6	-0.4	1.5	No	No	No	No		
2548	52 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.7	41.7	45.2	43.1	-0.5	1.4	No	No	No	No		
2549	33 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.8	42.2	46.3	44.3	0.5	2.1	No	No	No	No		
2550	6 MCDUGALL CLOSE MCDUGALLS HILL	Residential	55	50	57.7	53.3	55.5	53.5	-2.2	0.2	No	No	No	No		
2551	29 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.8	42.2	46.2	44.2	0.4	2.0	No	No	No	No		
2552	25 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.8	41.9	47.4	45.3	1.6	3.4	No	No	No	No		
2553	32 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.5	42.0	48.4	46.3	2.9	4.3	No	No	No	No		
2554	46 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.8	42.0	45.9	43.8	0.1	1.8	No	No	No	No		
2555	48 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.9	42.0	45.7	43.6	-0.2	1.6	No	No	No	No		
2556	27 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.6	41.4	46.3	44.2	0.7	2.8	No	No	No	No		
2557	26 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	43.3	39.7	43.9	41.7	0.6	2.0	No	No	No	No		
2558	44 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.2	40.9	45.9	43.8	1.7	2.9	No	No	No	No		
2559	42 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.7	41.9	45.7	43.6	0.0	1.7	No	No	No	No		
2560	34 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	39.7	43.2	47.3	45.1	7.6	1.9	No	No	No	No		
2561	13B BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	44.0	40.0	44.1	42.0	0.1	2.0	No	No	No	No		
2562	13B BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	44.3	40.2	44.4	42.3	0.1	2.1	No	No	No	No		
2563	40 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.6	42.7	46.7	44.6	0.1	1.9	No	No	No	No		
2564	33 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.6	41.1	45.1	43.0	0.5	1.9	No	No	No	No		
2565	14 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	45.0	40.9	45.4	43.3	0.4	2.4	No	No	No	No		
2566	2 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	42.1	47.6	45.5	2.3	3.4	No	No	No	No		
2567	2 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	40.4	44.0	48.1	46.0	7.7	2.0	No	No	No	No		
2568	3 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.0	41.8	47.5	45.3	2.5	3.5	No	No	No	No		
2569	7 MCDUGALL CLOSE MCDUGALLS HILL	Residential	55	50	60.4	55.9	57.6	55.6	-2.8	-0.3	No	No	No	No		
2570	13 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	45.5	41.7	46.5	44.4	1.0	2.7	No	No	No	No		
2571	38 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.4	42.1	47.5	45.3	2.1	3.2	No	No	No	No		
2572	1 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	41.7	44.1	49.5	47.4	7.8	3.3	No	No	No	No		
2573	4 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	40.8	44.5	48.9	46.8	8.1	2.3	No	No	No	No		
2574	15 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	45.6	41.6	45.8	43.7	0.2	2.1	No	No	No	No		
2575	30 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.3	40.7	44.5	42.4	0.2	1.7	No	No	No	No		
2576	30 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.2	40.7	43.7	41.5	-0.5	0.8	No	No	No	No		
2577	12 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.0	43.1	47.7	45.6	0.7	2.5	No	No	No	No		
2578	4 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.2	43.6	49.1	46.9	1.9	3.3	No	No	No	No		
2579	36 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.4	40.9	45.7	43.6	1.3	2.7	No	No	No	No		
2580	32 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	43.6	39.9	43.9	41.7	0.3	1.8	No	No	No	No		
2581	35 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.0	40.6	44.5	42.4	0.5	1.8	No	No	No	No		
2582	16 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	44.8	41.8	47.4	45.2	2.6	3.4	No	No	No	No		
2583	17 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	44.8	41.8	47.4	45.2	2.6	3.4	No	No	No	No		
2584	37 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	43.2	39.9	44.3	42.2	1.1	2.3	No	No	No	No		
2585	3 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	41.2	43.5	49.1	47.0	7.9	3.5	No	No	No	No		
2586	5 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.6	49.3	47.2	1.1	2.6	No	No	No	No		
2587	6 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	41.2	45.0	49.0	46.9	7.8	1.9	No	No	No	No		
2588	5 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	42.6	45.1	51.4	49.2	8.8	4.1	No	No	No	No		
2589	11 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	44.7	41.4	45.8	43.7	1.1	2.3	No	No	No	No		
2590	34 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	43.5	40.1	44.2	42.1	0.7	2.0	No	No	No	No		
2591	3 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	42.8	39.0	45.6	43.5	2.8	4.5	No	No	No	No		
2592	2 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	46.2	42.8	48.3	46.2	2.1	3.4	No	No	No	No		
2593	10 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	45.5	41.9	46.6	44.5	1.1	2.6	No	No	No	No		
2594	34 DEANS AVENUE SINGLETON HEIGHTS	Residential	55	50	41.4	38.5	42.8	40.6	1.4	2.1	No	No	No	No		
2595	1 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.2	44.5	49.8	47.7	1.6	3.2	No	No	No	No		
2599	9 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	45.1	41.3	45.9	43.7	0.8	2.4	No	No	No	No		
2600	38 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	41.1	38.4	42.7	40.5	1.6	2.1	No	No	No	No		
2601	4941 NEW ENGLAND HIGHWAY MCDUGALLS HILL	Residential	55	50	60.5	56.0	57.2	55.3	-3.3	-0.7	No	No	No	No		
2602	9 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	48.1	44.4	50.0	47.9	1.9	3.5	No	No	No	No		
2603	4 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.8	44.1	48.9	46.8	1.1	2.7	No	No	No	No		
2604	40 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	41.0	37.8	42.0	39.9	1.0	2.1	No	No	No	No		
2605	8 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	43.8	40.1	44.8	42.6	1.0	2.5	No	No	No	No		
2606	5 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.6	43.8	48.9	46.8	1.3	3.0	No	No	No	No		
2607	11 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.9	44.1	49.6	47.5	1.7	3.4	No	No	No	No		
2608	7 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	44.3	40.7	46.0	43.9	1.7	3.2	No	No	No	No		
2609	40 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	41.3	38.2	42.5	40.4	1.2	2.2	No	No	No	No		
2610	6 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.4	43.6	48.8	46.7	1.4	3.1	No	No	No	No		
2611	40 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	42.7	39.5	43.9	41.7	1.2	2.2	No	No	No	No		
2612	13 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	43.5	48.9	46.8	1.4	3.3	No	No	No	No		
2613	15 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.3	43.5	48.7	46.6	1.4	3.1	No	No	No	No		
2614	44A CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	45.4	41.5	46.2	44.1	0.8	2.6	No	No	No	No		
2615	4943 NEW ENGLAND HIGHWAY MCDUGALLS HILL	Residential	55	50	60.6	56.1	57.2	55.3	-3.4	-0.8	No	No	No	No		
2616	14 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	48.0	44.0	48.8	46.7	0.8	2.7	No	No	No	No		
2617	30 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.2	42.3	47.0	44.9	0.8	2.6	No	No	No	No		
2618	32 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.5	47.0	44.9	0.7	2.4	No	No	No	No		
2619	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	42.7	48.1	46.0	1.1	3.3	No	No	No	No		
2620	42 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.9	40.8	45.2	43.1	0.3	2.3	No	No	No	No		
2622	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.2	42.8	47.9	45.8	0.7	3.0	No	No	No	No		
2624	20 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.5	47.1	45.0	0.8	2.5	No	No	No	No		
2625	17 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.1	46.9	44.8	0.6	2.7	No	No	No	No		
2626	22 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.0	42.0	47.3	45.1	1.3	3.1	No	No	No	No		
2627	20A LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	41.2	37.9	42.9	40.8	1.7	2.9	No	No	No	No		
2628	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	42.1	47.2	45.1	0.7	3.0	No	No	No	No		
2629	19 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	41.5	46.1	44.0	0.8	2.5	No	No	No	No		
2630	22A LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.6	41.8	47.0	44.9	1.4	3.1	No	No	No	No		
2631	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	43.6	48.6	46.5	1.0	2.9	No	No	No	No		
2632	24 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.7	41.8	46.4	44.3	0.7	2.5	No	No	No	No		
2633	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	44.4	40.6	45.9	43.7	1.5	3.1	No	No	No	No		
2634	21 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.9	42.1	46.5	44.4	0.6	2.3	No	No	No	No		
2635	26 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	43.3	39.4	44.4	42.3	1.1	2.9	No	No	No	No		
2636	38 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	43.1	47.7	45.6	0.7	2.5	No	No	No	No		
2638	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.9	43.8	48.8	46.7	0.9	2.9	No	No	No	No		
2639	40 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.1	47.6	45.5	0.7	2.4	No	No	No	No		
2640	23 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.1	42.2	46.7	44.6	0.6	2.4	No	No	No	No		
2641	28 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.8	42.7	47.9	45.8	1.1	3.1	No	No	No	No		

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Year of Opening - Noise Barrier										Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change							
			Day	Night	Day	Night	Day	Night	Day	Night						
2643	25 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.1	42.1	46.6	44.5	0.5	2.4	No	No	No	No		
2644	42 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.0	47.6	45.5	0.7	2.5	No	No	No	No		
2645	28A LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.7	43.6	48.5	46.4	0.8	2.8	No	No	No	No		
2646	30 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.4	46.7	44.6	0.4	2.2	No	No	No	No		
2647	44 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	41.7	46.7	44.6	0.9	2.9	No	No	No	No		
2648	27 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.1	48.0	45.9	0.9	2.8	No	No	No	No		
2649	32 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	42.9	47.5	45.4	0.5	2.5	No	No	No	No		
2650	46 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	41.8	46.9	44.8	1.1	3.0	No	No	No	No		
2652	29 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.1	48.1	46	1	2.9	No	No	No	No		
2653	34 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.0	47.9	45.8	0.8	2.8	No	No	No	No		
2654	36 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.8	42.7	47.6	45.5	0.8	2.8	No	No	No	No		
2655	50 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.1	42.0	47.4	45.3	1.3	3.3	No	No	No	No		
2656	52 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	42.8	47.9	45.8	1.0	3.0	No	No	No	No		
2657	38 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.6	42.4	47.3	45.2	0.7	2.8	No	No	No	No		
2658	42 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.2	43.1	47.9	45.8	0.7	2.7	No	No	No	No		
2659	40 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	42.6	47.4	45.3	0.7	2.7	No	No	No	No		
2661	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	57.7	54.6	55.1	52.9	-2.6	-1.7	No	No	No	No		
2662	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	53.2	49.9	54.0	52.0	0.8	2.1	Yes	No	No	Yes		
2663	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	53.5	50.2	53.6	51.7	0.1	1.5	Yes	No	No	No		
2664	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	54.2	50.9	53.7	51.7	-0.5	0.8	Yes	No	No	No		
2665	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	53.7	50.5	53.7	51.7	0.0	1.2	Yes	No	No	No		
2666	1-3 SCOTT STREET SINGLETON	Residential	51	48	38.8	35.3	49.6	47.1	10.8	11.8	No	No	No	No		
2667	1 VIEW STREET SINGLETON	Residential	50	47	38.1	34.6	48.9	46.2	10.8	11.6	No	No	No	No		
2677	5065 NEW ENGLAND HIGHWAY MCDUGALLS HILL	Residential	60	55	54.2	54.0	55.7	53.7	1.5	-0.3	No	No	No	No		
2679	5077 NEW ENGLAND HIGHWAY RIXS CREEK	Residential	60	55	59.2	59.2	61.0	59.0	1.8	-0.2	Yes	No	No	No		
2690	58 RIXS CREEK LANE RIXS CREEK	Residential	60	55	47.2	46.0	47.8	45.8	0.6	-0.2	No	No	No	No		
2691	58 RIXS CREEK LANE RIXS CREEK	Residential	60	55	48.4	47.4	49.2	47.2	0.8	-0.2	No	No	No	No		
2692	5066 NEW ENGLAND HIGHWAY RIXS CREEK	Residential	59	54	50.4	49.9	52.5	50.4	2.1	0.5	No	No	No	No		
2694	100 GARDNER CIRCUIT SINGLETON HEIGHTS	Residential	55	50	40.8	38.7	42.2	40.0	1.4	1.3	No	No	No	No		
2697	92 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.8	37.7	41.2	39.0	1.4	1.3	No	No	No	No		
2698	94 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.9	37.8	41.1	39.0	1.2	1.2	No	No	No	No		
2700	96 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	40.0	37.8	41.2	39.0	1.2	1.2	No	No	No	No		
2702	98 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	40.1	37.8	41.2	39.0	1.1	1.2	No	No	No	No		
2703	90 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.1	36.9	40.4	38.2	1.3	1.3	No	No	No	No		
2704	88 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	38.9	36.6	40.2	38.0	1.3	1.4	No	No	No	No		
2705	86 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	38.7	36.5	40.1	37.9	1.4	1.4	No	No	No	No		
2706	80 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	38.7	36.4	40.1	37.9	1.4	1.5	No	No	No	No		
2707	48 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.2	42.2	46.8	44.7	0.6	2.5	No	No	No	No		
2708	47 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	45.2	41.7	45.6	43.5	0.4	1.8	No	No	No	No		
2709	49 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	42.5	47.0	44.8	0.5	2.3	No	No	No	No		
2710	51 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.2	42.0	47.1	45.0	0.9	3.0	No	No	No	No		
2711	53 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.0	42.0	46.9	44.8	0.9	2.8	No	No	No	No		
2712	46 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	42.8	47.6	45.5	0.7	2.7	No	No	No	No		
2714	48 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.2	47.2	45.1	0.9	2.9	No	No	No	No		
2717	35 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	41.8	46.1	44.0	0.3	2.2	No	No	No	No		
2718	44 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	42.3	46.9	44.8	0.5	2.5	No	No	No	No		
2720	50 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	41.7	46.7	44.6	0.9	2.9	No	No	No	No		
2721	37 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	43.9	39.9	44.7	42.5	0.8	2.6	No	No	No	No		
2722	38 HENRY DRIVE SINGLETON HEIGHTS	Residential	55	50	42.7	38.9	43.8	41.6	1.1	2.7	No	No	No	No		
2723	52 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.4	41.3	46.1	44.0	0.7	2.7	No	No	No	No		
2726	54 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	42.6	38.8	43.9	41.8	1.3	3.0	No	No	No	No		
2727	40 HENRY DRIVE SINGLETON HEIGHTS	Residential	55	50	42.0	38.3	42.8	40.6	0.8	2.3	No	No	No	No		
2728	56 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.1	42.0	47.0	44.9	0.9	2.9	No	No	No	No		
2729	60 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	42.6	38.8	43.8	41.6	1.2	2.8	No	No	No	No		
2730	62 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	40.7	37.2	41.5	39.4	0.8	2.2	No	No	No	No		
2731	64 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	40.6	37.1	41.8	39.6	1.2	2.5	No	No	No	No		
2732	58 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.2	41.1	45.7	43.6	0.5	2.5	No	No	No	No		
2733	62 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	42.0	38.5	43.5	41.3	1.5	2.8	No	No	No	No		
2734	3 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	40.6	37.0	41.7	39.5	1.1	2.5	No	No	No	No		
2735	2 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	39.1	35.8	40.4	38.2	1.3	2.4	No	No	No	No		
2736	4 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	41.7	38.0	42.6	40.5	0.9	2.5	No	No	No	No		
2737	1 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	39.4	36.1	40.7	38.5	1.3	2.4	No	No	No	No		
2738	5 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	40.2	36.7	41.5	39.3	1.3	2.6	No	No	No	No		
2739	68 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	41.3	37.9	42.2	40.0	0.9	2.1	No	No	No	No		
2740	6 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	39.6	36.2	40.9	38.7	1.3	2.5	No	No	No	No		
2741	6 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	41.4	38.0	42.2	40.1	0.8	2.1	No	No	No	No		
2742	1 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	40.5	37.2	41.5	39.3	1.0	2.1	No	No	No	No		
2743	7 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	40.0	36.7	41.1	38.9	1.1	2.2	No	No	No	No		
2744	2 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	39.8	36.5	41.0	38.8	1.2	2.3	No	No	No	No		
2745	5 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	41.7	38.3	42.5	40.4	0.8	2.1	No	No	No	No		
2746	1 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	41.2	37.9	42.2	40.0	1.0	2.1	No	No	No	No		
2747	4 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	40.8	37.7	42.0	39.9	1.2	2.2	No	No	No	No		
2748	3 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	40.3	37.1	41.3	39.1	1	2	No	No	No	No		
2749	2 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	40.5	37.5	41.9	39.7	1.4	2.2	No	No	No	No		
2750	4 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	40.2	37.1	41.4	39.2	1.2	2.1	No	No	No	No		
2751	8 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	41.0	37.8	42.0	39.8	1.0	2.0	No	No	No	No		
2752	3 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	40.0	37.1	41.4	39.3	1.4	2.2	No	No	No	No		
2753	5 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	39.9	36.9	41.1	39	1.2	2.1	No	No	No	No		
2754	74 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.8	37.1	41.0	38.8	1.2	1.7	No	No	No	No		
2755	7 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	40.0	37.2	41.3	39.2	1.3	2.0	No	No	No	No		
2757	6 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	39.9	37.0	41.3	39.2	1.4	2.2	No	No	No	No		
2758	78 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	38.8	35.7	40.0	37.9	1.2	2.2	No	No	No	No		
2759	76 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	38.7	36.4	40.2	38.1	1.5	1.7	No	No	No	No		
2760	78 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.4	36.8	40.9	38.8	1.5	2.0	No	No	No	No		
2762	78 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.1	36.6	40.5	38.3	1.4	1.7	No	No	No	No		
2763	82 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	38.8	36.4	40.0	37.8	1.2	1.4	No	No	No	No		
2764	84 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.1	36.7	40.3	38.2	1.2	1.5	No	No	No	No		
2765	80 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.2	36.7	40.3	38.1	1.1	1.4	No	No	No	No		
2766	5022 NEW ENGLAND HIGHWAY MCDUGALLS HILL	Residential	55	50	52.1	49.7	54.1	51.9	2.0	2.2	Yes	No	No	Yes		

Note: * Facade with the greatest change in noise levels

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - Noise Barrier								Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		No Minimum		Design		Change					
			Day	Night	Day	Night	Day	Night	Day	Night				
1013	53 HAGGARTYS LANE WHITTINGHAM	Residential	60	55	51.7	48.7	52.2	49.5	0.5	0.8	No	No	No	No
1015	61 HAGGARTYS LANE WHITTINGHAM	Residential	60	55	50.4	47.4	50.8	48.1	0.4	0.7	No	No	No	No
1020	4245 NEW ENGLAND HIGHWAY WHITTINGHAM	Residential	60	55	61.8	58.8	61.9	59.3	0.1	0.5	No	No	No	No
1023	4244 NEW ENGLAND HIGHWAY WHITTINGHAM	Residential	60	55	69.0	66.0	69.2	66.7	0.2	0.7	No	No	No	No
1027	18 CEMETERY LANE WHITTINGHAM	Residential	60	55	60.3	57.3	60.6	57.9	0.3	0.6	No	No	No	No
1028	28 CEMETERY LANE WHITTINGHAM	Residential	60	55	57.3	54.3	57.8	55.1	0.5	0.8	No	No	No	No
1029	13 HAGGARTYS LANE WHITTINGHAM	Residential	60	55	58.5	55.5	58.4	55.8	-0.1	0.3	No	No	No	No
1031	4253 NEW ENGLAND HIGHWAY WHITTINGHAM	Residential	60	55	74.6	71.6	74.8	72.3	0.2	0.7	No	No	No	No
1032	4 HAGGARTYS LANE WHITTINGHAM	Residential	60	55	69.6	66.6	69.8	67.2	0.2	0.6	No	No	No	No
1041	18 NEWINGTON LANE WHITTINGHAM	Residential	60	55	58.4	55.4	58.8	56.0	0.4	0.6	No	No	No	No
1049	3 NEWINGTON LANE WHITTINGHAM	Residential	60	55	65.8	62.8	63.8	61.0	-2.0	-1.8	No	Yes	No	Yes
1051	4339 NEW ENGLAND HIGHWAY WHITTINGHAM	Residential	55	50	56.0	53.0	61.5	58.9	5.5	5.9	Yes	No	No	Yes
1055	48 MAITLAND ROAD SINGLETON	Residential	60	55	53.8	50.8	52.4	49.7	-1.4	-1.1	No	No	No	No
1073	18 ARDERSIER DRIVE SINGLETON	Residential	60	55	49.1	46.1	48.2	45.4	-0.9	-0.7	No	No	No	No
1075	19 ARDERSIER DRIVE SINGLETON	Residential	60	55	53.4	50.4	51.9	49.1	-1.5	-1.3	No	No	No	No
1077	17 ARDERSIER DRIVE SINGLETON	Residential	60	55	47.8	44.8	46.9	44.0	-0.9	-0.8	No	No	No	No
1081	20 ARDERSIER DRIVE SINGLETON	Residential	60	55	53.4	50.5	51.9	49.1	-1.5	-1.4	No	No	No	No
1083	4403 NEW ENGLAND HIGHWAY SINGLETON	Residential	60	55	68.3	65.3	62.4	59.0	-5.9	-6.3	Yes	No	No	Yes
1085	16 ARDERSIER DRIVE SINGLETON	Residential	60	55	47.9	44.9	46.8	44.0	-1.1	-0.9	No	No	No	No
1087	21 ARDERSIER DRIVE SINGLETON	Residential	60	55	54.3	51.3	52.5	49.6	-1.8	-1.7	No	No	No	No
1089	15 ARDERSIER DRIVE SINGLETON	Residential	59	55	46.6	43.6	46.3	43.4	-0.3	-0.2	No	No	No	No
1091	14 ARDERSIER DRIVE SINGLETON	Residential	58	55	46.0	43.0	45.1	42.3	-0.9	-0.7	No	No	No	No
1093	22 ARDERSIER DRIVE SINGLETON	Residential	60	55	55.2	52.2	53.0	50.1	-2.2	-2.1	No	No	No	No
1095	11 ARDERSIER DRIVE SINGLETON	Residential	58	55	45.7	42.7	44.7	41.8	-1.0	-0.9	No	No	No	No
1099	23 ARDERSIER DRIVE SINGLETON	Residential	60	55	55.8	52.8	53.4	50.5	-2.4	-2.3	No	No	No	No
1101	13 ARDERSIER DRIVE SINGLETON	Residential	59	55	47.2	44.2	46.3	43.4	-0.9	-0.8	No	No	No	No
1103	9 ARDERSIER DRIVE SINGLETON	Residential	58	55	45.6	42.6	44.0	41.0	-1.6	-1.6	No	No	No	No
1107	12 ARDERSIER DRIVE SINGLETON	Residential	58	55	46.4	43.9	45.5	42.6	-0.9	-1.3	No	No	No	No
1109	24 ARDERSIER DRIVE SINGLETON	Residential	60	55	55.4	52.4	53.1	50.2	-2.3	-2.2	No	No	No	No
1111	8 ARDERSIER DRIVE SINGLETON	Residential	57	54	45.2	42.2	43.9	40.9	-1.3	-1.3	No	No	No	No
1113	10 ARDERSIER DRIVE SINGLETON	Residential	59	55	46.5	43.5	44.7	41.7	-1.8	-1.8	No	No	No	No
1115	4 ARDERSIER DRIVE SINGLETON	Residential	57	54	44.9	41.9	43.4	40.5	-1.5	-1.4	No	No	No	No
1117	25 ARDERSIER DRIVE SINGLETON	Residential	60	55	57.6	54.6	54.6	51.6	-3.0	-3.0	No	No	No	No
1119	7 ARDERSIER DRIVE SINGLETON	Residential	59	55	47.4	44.4	45.4	42.5	-2.0	-1.9	No	No	No	No
1121	26 ARDERSIER DRIVE SINGLETON	Residential	60	55	50.8	47.8	48.5	45.7	-2.3	-2.1	No	No	No	No
1123	3 ARDERSIER DRIVE SINGLETON	Residential	58	55	45.6	42.6	44.1	41.2	-1.5	-1.4	No	No	No	No
1125	4 ARDERSIER DRIVE SINGLETON	Residential	59	55	46.7	43.7	44.4	41.5	-2.3	-2.2	No	No	No	No
1129	6 ARDERSIER DRIVE SINGLETON	Residential	60	55	47.7	44.6	46.1	43.3	-1.6	-1.3	No	No	No	No
1131	27 ARDERSIER DRIVE SINGLETON	Residential	60	55	48.9	45.8	46.8	43.9	-2.1	-1.9	No	No	No	No
1133	28 ARDERSIER DRIVE SINGLETON	Residential	60	55	49.9	46.9	47.3	44.3	-2.6	-2.6	No	No	No	No
1135	2 GASLIGHT PLACE SINGLETON	Residential	60	55	56.3	53.3	53.6	50.6	-2.7	-2.7	No	No	No	No
1137	5 ARDERSIER DRIVE SINGLETON	Residential	60	55	48.2	45.2	45.9	43.0	-2.3	-2.2	No	No	No	No
1139	28 GREENWOOD AVENUE SINGLETON	Residential	59	55	47.1	44.0	45.3	42.5	-1.8	-1.5	No	No	No	No
1141	3 ARDERSIER DRIVE SINGLETON	Residential	59	55	47.0	44.0	44.5	41.5	-2.5	-2.5	No	No	No	No
1147	24 GREENWOOD AVENUE SINGLETON	Residential	57	54	45.1	42.1	44.2	41.3	-0.9	-0.8	No	No	No	No
1149	7 GASLIGHT PLACE SINGLETON	Residential	60	55	48.5	45.5	47.3	44.5	-1.2	-1.0	No	No	No	No
1151	3 GASLIGHT PLACE SINGLETON	Residential	60	55	54.9	51.9	52.0	49.0	-2.9	-2.9	No	No	No	No
1155	3 ARDERSIER DRIVE SINGLETON	Residential	59	55	46.8	43.7	45.1	42.2	-1.7	-1.5	No	No	No	No
1159	22 GREENWOOD AVENUE SINGLETON	Residential	60	55	47.7	44.6	45.4	42.5	-2.3	-2.1	No	No	No	No
1161	6 GASLIGHT PLACE SINGLETON	Residential	60	55	50.9	47.9	48.4	45.5	-2.5	-2.4	No	No	No	No
1163	2 ARDERSIER DRIVE SINGLETON	Residential	60	55	48.6	45.6	46.2	43.3	-2.4	-2.3	No	No	No	No
1165	48 MAITLAND ROAD SINGLETON	Residential	60	55	60.5	57.5	56.9	53.9	-3.6	-3.6	No	No	No	No
1167	1 ARDERSIER DRIVE SINGLETON	Residential	60	55	48.8	45.8	46.0	43.0	-2.8	-2.8	No	No	No	No
1169	30 ARDERSIER DRIVE SINGLETON	Residential	60	55	51.8	48.8	49.3	46.3	-2.5	-2.5	No	No	No	No
1171	20 GREENWOOD AVENUE SINGLETON	Residential	60	55	47.9	44.8	44.9	41.9	-3.0	-2.9	No	No	No	No
1173	18 GREENWOOD AVENUE SINGLETON	Residential	60	55	47.8	44.8	45.5	42.6	-2.3	-2.2	No	No	No	No
1177	16 GREENWOOD AVENUE SINGLETON	Residential	60	55	47.5	44.5	45.3	42.4	-2.2	-2.1	No	No	No	No
1179	31 ARDERSIER DRIVE SINGLETON	Residential	60	55	54.3	51.3	50.9	47.9	-3.4	-3.4	No	No	No	No
1181	4 GASLIGHT PLACE SINGLETON	Residential	60	55	56.4	53.4	53.1	50.1	-3.3	-3.3	No	No	No	No
1183	34 ARDERSIER DRIVE SINGLETON	Residential	60	55	52.7	49.7	49.6	46.7	-3.1	-3.0	No	No	No	No
1185	33 ARDERSIER DRIVE SINGLETON	Residential	60	55	51.5	48.5	48.8	45.8	-2.7	-2.7	No	No	No	No
1187	14 GREENWOOD AVENUE SINGLETON	Residential	60	55	49.0	45.9	46.3	43.3	-2.7	-2.6	No	No	No	No
1189	32 ARDERSIER DRIVE SINGLETON	Residential	60	55	53.9	50.9	50.4	47.4	-3.5	-3.5	No	No	No	No
1191	35 ARDERSIER DRIVE SINGLETON	Residential	60	55	52.7	49.7	49.5	46.6	-3.2	-3.1	No	No	No	No
1193	19 GREENWOOD AVENUE SINGLETON	Residential	60	55	55.9	52.8	52.1	49.1	-3.8	-3.7	No	No	No	No
1195	12 GREENWOOD AVENUE SINGLETON	Residential	60	55	52.8	49.8	49.1	46.0	-3.7	-3.8	No	No	No	No
1207	15 GREENWOOD AVENUE SINGLETON	Residential	60	55	53.8	50.7	50.4	47.5	-3.4	-3.2	No	No	No	No
1211	9 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	65.9	62.9	61.6	58.5	-4.3	-4.4	No	No	No	No
1213	40 MAITLAND ROAD SINGLETON	Residential	60	55	67.2	64.2	62.9	59.9	-4.3	-4.3	No	No	No	No
1215	8 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	67.7	64.7	63.2	60.1	-4.5	-4.6	No	No	No	No
1219	11 GREENWOOD AVENUE SINGLETON	Residential	60	55	57.7	54.7	53.6	50.5	-4.1	-4.2	No	No	No	No
1221	7 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	67.6	64.6	63.1	60.1	-4.5	-4.5	No	No	No	No
1225	6 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	68.5	65.5	64.0	60.9	-4.5	-4.6	No	No	No	No
1229	10 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	57.0	54.0	53.9	50.9	-3.1	-3.1	No	No	No	No
1231	36 MAITLAND ROAD SINGLETON	Residential	60	55	69.7	66.7	65.4	62.3	-4.3	-4.4	No	No	No	No
1233	34 MAITLAND ROAD SINGLETON	Residential	60	55	68.2	65.2	63.8	60.8	-4.4	-4.4	No	No	No	No
1235	35B WADDELLS LANE WHITTINGHAM	Residential	55	50	50.8	47.8	62.6	60.0	11.8	12.2	Yes	No	No	Yes
1237	30 MAITLAND ROAD SINGLETON	Residential	60	55	70.1	67.1	65.8	62.7	-4.3	-4.4	No	No	No	No
1239	5 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	57.6	54.6	54.1	51.1	-3.5	-3.5	No	No	No	No
1241	12 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	55.3	52.3	52.9	50.0	-2.4	-2.3	No	No	No	No
1243	32 MAITLAND ROAD SINGLETON	Residential	60	55	69.9	66.9	65.5	62.5	-4.4	-4.4	No	No	No	No
1245	4 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	63.4	60.4	59.0	56.0	-4.4	-4.4	No	No	No	No
1247	13 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	54.2	51.2	52.4	49.6	-1.8	-1.6	No	No	No	No
1251	2 FERGUSON CLOSE SINGLETON	Residential	60	55	55.4	52.4	51.2	48.1	-4.2	-4.3	No	No	No	No
1253	1 FERGUSON CLOSE SINGLETON	Residential	60	55	58.4	55.4	54.2	51.1	-4.2	-4.3	No	No	No	No
1255	14 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	53.4	50.4	51.9	49.0	-1.5	-1.4	No	No	No	No
1257	109-129 KELSO STREET SINGLETON	School	52.5	100	54.7	46.5	52.5	50.0	-2.2	3.5	No	No	No	No
1259	15 TOWNHEAD CRESCENT SINGLETON	Residential	55	50	52.6	49.6	51.5	48.6	-1.1	-1.0	No	No	No	No
1261	3 FERGUSON CLOSE SINGLETON	Residential	60	55	55.1	52.1	51.0	47.9	-4.1	-4.2	No	No	No	No
1263	2 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	58.1	55.1	53.8	50.7	-4.3	-4.4	No	No	No	No
1265	16 TOWNHEAD CRESCENT SINGLETON	Residential	55	50	51.8	48.8	51.1	48.3	-0.7	-0.5	No	No	No	No
1267	4 FERGUSON CLOSE SINGLETON	Residential	60	55	53.1	48.7	49.1	46.2	-4.0	-2.5	No	No	No	No
1269	5 FERGUSON CLOSE SINGLETON	Residential	60	55	53.6	50.6	49.8	46.7	-3.8	-3.9	No	No	No	No

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - Noise Barrier								Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change					
			Day	Night	Day	Night	Day	Night	Day	Night				
1271	1 TOWNHEAD CRESCENT SINGLETON	Residential	60	55	55.6	52.6	51.3	48.3	-4.3	-4.3	No	No	No	No
1273	109-129 KELSO STREET SINGLETON	School	52.5	100	44.2	41.2	48.5	45.9	4.3	4.7	No	No	No	No
1275	109-129 KELSO STREET SINGLETON	School	52.5	100	48.7	45.7	52.3	49.7	3.6	4.0	No	No	No	No
1277	109-129 KELSO STREET SINGLETON	School	52.5	100	50.2	47.2	48.2	45.3	-2.0	-1.9	No	No	No	No
1279	17 TOWNHEAD CRESCENT SINGLETON	Residential	52.5	50	51.0	48.0	50.4	47.7	-0.6	-0.3	No	No	No	No
1281	109-129 KELSO STREET SINGLETON	School	52.5	100	45.6	42.6	50.4	47.8	4.8	5.2	No	No	No	No
1283	109-129 KELSO STREET SINGLETON	School	52.5	100	45.8	42.8	46.6	43.9	0.8	1.1	No	No	No	No
1285	109-129 KELSO STREET SINGLETON	School	52.5	100	43.3	40.3	46.4	43.7	3.1	3.4	No	No	No	No
1287	109-129 KELSO STREET SINGLETON	School	52.5	100	42.7	39.7	46.6	44.0	3.9	4.3	No	No	No	No
1289	20 WATERHOUSE AVENUE SINGLETON	Residential	60	55	55.9	52.9	51.9	48.9	-4.0	-4.0	No	No	No	No
1291	22 WATERHOUSE AVENUE SINGLETON	Residential	60	55	53.4	50.4	49.7	46.6	-3.7	-3.8	No	No	No	No
1293	24 WATERHOUSE AVENUE SINGLETON	Residential	60	55	51.7	48.6	48.6	45.7	-3.1	-2.9	No	No	No	No
1295	26 WATERHOUSE AVENUE SINGLETON	Residential	60	55	50.8	47.8	48.0	45.1	-2.8	-2.7	No	No	No	No
1297	28 WATERHOUSE AVENUE SINGLETON	Residential	60	55	50.2	47.2	47.6	44.6	-2.6	-2.6	No	No	No	No
1299	30 WATERHOUSE AVENUE SINGLETON	Residential	60	55	49.5	46.4	47.2	44.3	-2.3	-2.1	No	No	No	No
1301	32 WATERHOUSE AVENUE SINGLETON	Residential	55	50	50.4	47.4	49.7	47.0	-0.7	-0.4	No	No	No	No
1303	19 WATERHOUSE AVENUE SINGLETON	Residential	60	55	55.3	52.3	51.4	48.4	-3.9	-3.9	No	No	No	No
1305	109-129 KELSO STREET SINGLETON	School	52.5	100	45.1	42.0	48.6	46.1	3.5	4.1	No	No	No	No
1307	109-129 KELSO STREET SINGLETON	School	52.5	100	48.0	45.0	52.0	49.5	4.0	4.5	No	No	No	No
1309	17 WATERHOUSE AVENUE SINGLETON	Residential	60	55	55.3	52.2	51.0	47.9	-4.3	-4.3	No	No	No	No
1311	21 WATERHOUSE AVENUE SINGLETON	Residential	60	55	54.2	51.2	50.4	47.4	-3.8	-3.8	No	No	No	No
1313	23 WATERHOUSE AVENUE SINGLETON	Residential	60	55	51.9	48.9	48.6	45.6	-3.3	-3.3	No	No	No	No
1315	25 WATERHOUSE AVENUE SINGLETON	Residential	60	55	51.0	48.0	48.1	45.2	-2.9	-2.8	No	No	No	No
1317	21 WATERHOUSE AVENUE SINGLETON	Residential	60	55	48.2	45.2	46.4	43.6	-1.8	-1.6	No	No	No	No
1319	21 WATERHOUSE AVENUE SINGLETON	Residential	60	55	49.4	46.4	46.3	43.3	-3.1	-3.1	No	No	No	No
1320	72 KELSO STREET SINGLETON	Residential	60	55	50.6	47.6	48.9	46.1	-1.7	-1.5	No	No	No	No
1321	29 WATERHOUSE AVENUE SINGLETON	Residential	60	55	49.4	46.4	47.8	44.9	-1.6	-1.5	No	No	No	No
1322	31 WATERHOUSE AVENUE SINGLETON	Residential	55	50	49.1	46.0	48.3	45.6	-0.8	-0.4	No	No	No	No
1323	27 WATERHOUSE AVENUE SINGLETON	Residential	60	55	49.1	46.1	47.2	44.3	-1.9	-1.8	No	No	No	No
1324	70 KELSO STREET SINGLETON	Residential	55	50	48.4	45.4	48.4	45.6	0.0	0.2	No	No	No	No
1325	2 ELLEN AVENUE SINGLETON	Residential	60	55	50.2	47.2	48.4	45.5	-1.8	-1.7	No	No	No	No
1326	12 TULLOCH CLOSE SINGLETON	Residential	60	55	52.0	49.0	48.1	45.0	-3.9	-4.0	No	No	No	No
1327	9 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	48.6	45.6	46.5	43.6	-2.1	-2.0	No	No	No	No
1328	6 ELLEN AVENUE SINGLETON	Residential	60	55	48.5	45.5	46.8	44.0	-1.7	-1.5	No	No	No	No
1329	4 ELLEN AVENUE SINGLETON	Residential	60	55	49.5	46.5	47.7	44.8	-1.8	-1.7	No	No	No	No
1330	11 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	48.7	45.7	45.7	42.8	-3.0	-2.9	No	No	No	No
1331	7 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	48.2	45.2	46.2	43.3	-2.0	-1.9	No	No	No	No
1332	8 ELLEN AVENUE SINGLETON	Residential	55	50	50.4	47.4	49.4	46.6	-1.0	-0.8	No	No	No	No
1333	10 ELLEN AVENUE SINGLETON	Residential	55	50	49.6	46.6	49.3	46.5	-0.3	-0.1	No	No	No	No
1334	5 BRITTLIFFE CLOSE SINGLETON	Residential	58	55	46.1	43.0	45.3	42.5	-0.8	-0.5	No	No	No	No
1335	68 KELSO STREET SINGLETON	Residential	55	50	48.2	45.2	47.7	45.0	-0.5	-0.2	No	No	No	No
1336	14 ELLEN AVENUE SINGLETON	Residential	55	50	50.9	47.9	51.6	48.9	0.7	1.0	No	No	No	No
1337	12 ELLEN AVENUE SINGLETON	Residential	55	50	48.1	45.1	49.6	46.8	1.5	1.7	No	No	No	No
1338	1 BRITTLIFFE CLOSE SINGLETON	Residential	59	55	47.2	44.2	45.3	42.5	-1.9	-1.7	No	No	No	No
1339	3 BRITTLIFFE CLOSE SINGLETON	Residential	59	55	47.1	44.1	45.8	43.0	-1.3	-1.1	No	No	No	No
1340	16 ELLEN AVENUE SINGLETON	Residential	55	50	49.3	46.2	52.3	49.8	3.0	3.6	No	No	No	No
1341	66 KELSO STREET SINGLETON	Residential	55	50	46.7	43.7	46.9	44.2	0.2	0.5	No	No	No	No
1343	10 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	49.2	46.2	46.8	43.9	-2.4	-2.3	No	No	No	No
1344	3 ELLEN AVENUE SINGLETON	Residential	55	50	43.5	40.5	45.9	43.2	2.4	2.7	No	No	No	No
1345	1 ELLEN AVENUE SINGLETON	Residential	55	50	47.4	44.4	46.2	43.4	-1.2	-1.0	No	No	No	No
1346	8 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	48.4	45.4	46.3	43.4	-2.1	-2.0	No	No	No	No
1347	6 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	48.2	45.2	46.2	43.3	-2.0	-1.9	No	No	No	No
1348	4 BRITTLIFFE CLOSE SINGLETON	Residential	60	55	47.5	44.5	45.8	43.0	-1.7	-1.5	No	No	No	No
1349	103 KELSO STREET SINGLETON	Residential	58	55	45.7	42.7	44.8	42.0	-0.9	-0.7	No	No	No	No
1351	5 ELLEN AVENUE SINGLETON	Residential	55	50	45.1	42.1	46.5	43.8	1.4	1.7	No	No	No	No
1352	2 BRITTLIFFE CLOSE SINGLETON	Residential	59	55	47.4	44.4	46.1	43.3	-1.3	-1.1	No	No	No	No
1353	64 KELSO STREET SINGLETON	Residential	60	55	48.5	45.5	46.8	43.9	-1.7	-1.6	No	No	No	No
1354	7 ELLEN AVENUE SINGLETON	Residential	55	50	46.0	43.0	51.2	48.8	5.2	5.8	No	No	No	No
1355	101 KELSO STREET SINGLETON	Residential	55	50	43.6	40.6	45.8	43.1	2.2	2.5	No	No	No	No
1356	39 ADA STREET SINGLETON	Residential	55	50	44.9	41.9	48.2	45.7	3.3	3.8	No	No	No	No
1357	44 ADA STREET SINGLETON	Residential	55	50	42.8	39.8	45.6	43.0	2.8	3.2	No	No	No	No
1358	50 ORCHARD AVENUE SINGLETON	Residential	60	55	49.2	46.2	46.9	44.0	-2.3	-2.2	No	No	No	No
1359	62 KELSO STREET SINGLETON	Residential	55	50	45.3	42.3	46.4	43.7	1.1	1.4	No	No	No	No
1360	99 KELSO STREET SINGLETON	Residential	55	50	44.1	41.1	45.8	43.1	1.7	2.0	No	No	No	No
1361	35B WADDELLS LANE SINGLETON	Residential	55	50	47.1	44.1	54.3	51.9	7.2	7.8	Yes	No	No	Yes
1362	12 WADDELLS AVENUE SINGLETON	Residential	55	50	48.1	45.1	51.7	49.2	3.6	4.1	No	No	No	No
1363	37 ADA STREET SINGLETON	Residential	55	50	44.9	41.9	48.6	46.0	3.7	4.1	No	No	No	No
1364	42 ADA STREET SINGLETON	Residential	55	50	43.2	40.2	45.8	43.2	2.6	3.0	No	No	No	No
1365	52 ORCHARD AVENUE SINGLETON	Residential	60	55	48.0	44.9	46.1	43.2	-1.9	-1.7	No	No	No	No
1366	54 ORCHARD AVENUE SINGLETON	Residential	60	55	47.8	44.8	45.6	42.7	-2.2	-2.1	No	No	No	No
1367	60 KELSO STREET SINGLETON	Residential	55	50	45.2	42.2	46.6	43.9	1.4	1.7	No	No	No	No
1368	35 ADA STREET SINGLETON	Residential	55	50	44.4	41.4	49.0	46.5	4.6	5.1	No	No	No	No
1369	10 WADDELLS AVENUE SINGLETON	Residential	55	50	48.0	45.0	51.6	49.1	3.6	4.1	No	No	No	No
1370	40 ADA STREET SINGLETON	Residential	55	50	42.8	39.8	46.2	43.6	3.4	3.8	No	No	No	No
1371	97 KELSO STREET SINGLETON	Residential	55	50	43.5	40.5	45.8	43.1	2.3	2.6	No	No	No	No
1372	95 KELSO STREET SINGLETON	Residential	55	50	43.7	40.7	45.9	43.2	2.2	2.5	No	No	No	No
1373	8 WADDELLS AVENUE SINGLETON	Residential	55	50	46.1	43.1	51.0	48.5	4.9	5.4	No	No	No	No
1374	47 ORCHARD AVENUE SINGLETON	Residential	60	55	48.6	45.6	46.7	43.8	-1.9	-1.8	No	No	No	No
1375	33 ADA STREET SINGLETON	Residential	55	50	42.5	39.4	46.2	43.6	3.7	4.2	No	No	No	No
1376	38 ADA STREET SINGLETON	Residential	54	50	41.9	38.9	46.4	43.8	4.5	4.9	No	No	No	No
1377	49 ORCHARD AVENUE SINGLETON	Residential	60	55	48.1	45.0	46.2	43.3	-1.9	-1.7	No	No	No	No
1378	51 ORCHARD AVENUE SINGLETON	Residential	60	55	47.7	44.6	46.0	43.2	-1.7	-1.4	No	No	No	No
1379	58 KELSO STREET SINGLETON	Residential	55	50	47.2	40.9	46.1	43.4	-1.1	2.5	No	No	No	No
1380	6 WADDELLS AVENUE SINGLETON	Residential	55	50	46.2	43.2	51.0	48.6	4.8	5.4	No	No	No	No
1381	63 BUCHAN AVENUE SINGLETON	Residential	60	55	49.3	46.3	46.6	43.7	-2.7	-2.6	No	No	No	No
1382	36 ADA STREET SINGLETON	Residential	54	50	42.2	39.2	47.4	44.9	5.2	5.7	No	No	No	No
1383	4 WADDELLS AVENUE SINGLETON	Residential	55	50	45.3	42.3	50.8	48.4	5.5	6.1	No	No	No	No
1384	31 ADA STREET SINGLETON	Residential	55	50	42.7	39.7	47.2	44.7	4.5	5.0	No	No	No	No
1385	61 BUCHAN AVENUE SINGLETON	Residential	60	55	48.1	45.1	45.7	42.8	-2.4	-2.3	No	No	No	No
1386	56 KELSO STREET SINGLETON	Residential	55	50	44.0	40.9	46.0	43.4	2.0	2.5	No	No	No	No
1387	59 BUCHAN AVENUE SINGLETON	Residential	60	50	48.9	40.4	45.9	43.2	-3.0	2.8	No	No	No	No
1388	85 KELSO STREET SINGLETON	Residential	53	50	41.3	38.3	44.0	41.3	2.7	3.0	No	No	No	No
1389	2 WADDELLS AVENUE SINGLETON	Residential	55	50	45.3	42.3	50.6	48.2	5.3	5.9	No	No	No	No

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - Noise Barrier								Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change					
			Day	Night	Day	Night	Day	Night	Day	Night				
1390	85 KELSO STREET SINGLETON	Residential	54	50	42.2	39.2	47.9	45.4	5.7	6.2	No	No	No	No
1391	54 KELSO STREET SINGLETON	Residential	55	50	43.6	40.6	45.8	43.2	2.2	2.6	No	No	No	No
1392	57 BUCHAN AVENUE SINGLETON	Residential	55	50	43.2	40.2	45.9	43.2	2.7	3.0	No	No	No	No
1393	55 BUCHAN AVENUE SINGLETON	Residential	53	50	41.2	38.1	45.6	43.0	4.4	4.9	No	No	No	No
1394	52 KELSO STREET SINGLETON	Residential	55	50	44.2	41.1	45.9	43.2	1.7	2.1	No	No	No	No
1395	85 KELSO STREET SINGLETON	Residential	55	50	44.8	41.8	44.6	41.7	-0.2	-0.1	No	No	No	No
1396	50 KELSO STREET SINGLETON	Residential	55	50	43.3	40.3	46.0	43.3	2.7	3.0	No	No	No	No
1397	83 KELSO STREET SINGLETON	Residential	52	49	40.3	37.3	45.3	42.8	5.0	5.5	No	No	No	No
1398	83 KELSO STREET SINGLETON	Residential	55	50	42.6	39.6	48.0	45.5	5.4	5.9	No	No	No	No
1399	46 KELSO STREET SINGLETON	Residential	55	50	42.7	39.6	46.1	43.5	3.4	3.9	No	No	No	No
1400	81 KELSO STREET SINGLETON	Residential	53	50	41.1	38.0	47.0	44.5	5.9	6.5	No	No	No	No
1401	44 KELSO STREET SINGLETON	Residential	54	50	42.1	39.1	45.8	43.2	3.7	4.1	No	No	No	No
1402	79 KELSO STREET SINGLETON	Residential	55	50	42.6	39.5	47.7	45.2	5.1	5.7	No	No	No	No
1403	42 KELSO STREET SINGLETON	Residential	55	50	42.8	39.8	46.1	43.5	3.3	3.7	No	No	No	No
1404	77 KELSO STREET SINGLETON	Residential	55	50	43.4	40.4	47.8	45.2	4.4	4.8	No	No	No	No
1405	75 KELSO STREET SINGLETON	Residential	53	50	40.9	37.9	45.6	43.1	4.7	5.2	No	No	No	No
1406	40 KELSO STREET SINGLETON	Residential	55	50	42.6	39.5	45.9	43.3	3.3	3.8	No	No	No	No
1407	38 KELSO STREET SINGLETON	Residential	54	50	42.2	39.1	45.9	43.3	3.7	4.2	No	No	No	No
1409	36 KELSO STREET SINGLETON	Residential	54	50	41.8	38.8	45.8	43.2	4.0	4.4	No	No	No	No
1410	73 KELSO STREET SINGLETON	Residential	52	49	40.3	37.3	45.6	43.1	5.3	5.8	No	No	No	No
1411	16 ADA STREET SINGLETON	Residential	55	50	43.7	40.7	48.6	46.1	4.9	5.4	No	No	No	No
1412	71 KELSO STREET SINGLETON	Residential	53	50	40.5	37.5	46.4	43.9	5.9	6.4	No	No	No	No
1413	34 KELSO STREET SINGLETON	Residential	54	50	41.5	38.4	45.7	43.1	4.2	4.7	No	No	No	No
1414	14 ADA STREET SINGLETON	Residential	55	50	43.9	40.9	48.3	45.8	4.4	4.9	No	No	No	No
1415	69 KELSO STREET SINGLETON	Residential	54	50	42.0	39.0	46.9	44.3	4.9	5.3	No	No	No	No
1416	13 ADA STREET SINGLETON	Residential	55	50	43.8	40.8	49.6	47.1	5.8	6.3	No	No	No	No
1417	2 DEAKIN AVENUE SINGLETON	Residential	59	50	46.8	37.6	45.2	42.4	-1.6	4.8	No	No	No	No
1418	12 ADA STREET SINGLETON	Residential	54	50	42.1	39.0	46.9	44.4	4.8	5.4	No	No	No	No
1419	32A KELSO STREET SINGLETON	Residential	54	50	42.3	39.3	45.9	43.3	3.6	4.0	No	No	No	No
1420	67 KELSO STREET SINGLETON	Residential	53	50	40.8	37.7	46.8	44.3	6.0	6.6	No	No	No	No
1421	12 ADA STREET SINGLETON	Residential	53	50	40.7	37.6	46.0	43.4	5.3	5.8	No	No	No	No
1422	11 ADA STREET SINGLETON	Residential	54	50	42.1	39.1	49.3	46.9	7.2	7.8	No	No	No	No
1424	65 KELSO STREET SINGLETON	Residential	54	50	42.1	39.1	47.1	44.5	5.0	5.4	No	No	No	No
1425	10 ADA STREET SINGLETON	Residential	55	50	42.6	39.6	47.9	45.4	5.3	5.8	No	No	No	No
1426	9 ADA STREET SINGLETON	Residential	55	50	42.9	39.9	49.2	46.7	6.3	6.8	No	No	No	No
1427	8 ADA STREET SINGLETON	Residential	54	50	42.2	39.2	47.7	45.2	5.5	6.0	No	No	No	No
1428	15 ADA STREET SINGLETON	Residential	55	50	42.5	39.5	52.5	50.0	10.0	10.5	No	Yes	Yes	Yes
1428	15 ADA STREET SINGLETON*	Residential	49	46	37.4	34.3	51.1	48.7	13.7	14.4	No	Yes	Yes	Yes
1429	63 KELSO STREET SINGLETON	Residential	51	48	38.7	35.7	44.8	42.3	6.1	6.6	No	No	No	No
1431	30 KELSO STREET SINGLETON	Residential	54	50	41.8	38.8	45.9	43.3	4.1	4.5	No	No	No	No
1432	6 ADA STREET SINGLETON	Residential	54	50	41.5	38.5	46.7	44.1	5.2	5.6	No	No	No	No
1433	4 ADA STREET SINGLETON	Residential	53	50	41.4	38.4	45.2	42.6	3.8	4.2	No	No	No	No
1434	61 KELSO STREET SINGLETON	Residential	53	50	41.4	38.3	44.8	42.2	3.4	3.9	No	No	No	No
1436	7 ADA STREET SINGLETON	Residential	55	50	42.5	39.5	48.8	46.3	6.3	6.8	No	No	No	No
1437	4 ADA STREET SINGLETON	Residential	54	50	42.3	39.2	46.4	43.8	4.1	4.6	No	No	No	No
1439	26 KELSO STREET SINGLETON	Residential	54	50	41.9	38.9	46.0	43.4	4.1	4.5	No	No	No	No
1440	2 ADA STREET SINGLETON	Residential	53	50	41.3	38.3	46.3	43.7	5.0	5.4	No	No	No	No
1441	5 ADA STREET SINGLETON	Residential	55	50	42.9	39.9	48.9	46.4	6.0	6.5	No	No	No	No
1442	59 KELSO STREET SINGLETON	Residential	52	49	39.9	36.9	45.3	42.7	5.4	5.8	No	No	No	No
1443	3 ADA STREET SINGLETON	Residential	51	48	38.7	35.7	47.8	45.3	9.1	9.6	No	No	No	No
1444	57 KELSO STREET SINGLETON	Residential	53	50	40.7	37.7	45.6	43.1	4.9	5.4	No	No	No	No
1445	6 BOND STREET SINGLETON	Residential	55	50	43.8	40.8	45.0	42.3	1.2	1.5	No	No	No	No
1446	1A ADA STREET SINGLETON	Residential	53	50	41.3	38.3	48.4	45.9	7.1	7.6	No	No	No	No
1447	4 BOND STREET SINGLETON	Residential	55	50	43.8	40.8	45.7	43.0	1.9	2.2	No	No	No	No
1448	55 KELSO STREET SINGLETON	Residential	51	48	39.3	36.3	45.7	43.2	6.4	6.9	No	No	No	No
1449	2 BOND STREET SINGLETON	Residential	53	50	40.9	37.9	46.7	44.2	5.8	6.3	No	No	No	No
1452	53 KELSO STREET SINGLETON	Residential	51	48	39.4	36.4	45.6	43.1	6.2	6.7	No	No	No	No
1454	51 KELSO STREET SINGLETON	Residential	52	49	39.9	36.8	45.6	43.0	5.7	6.2	No	No	No	No
1455	1 ADA STREET SINGLETON	Residential	55	50	43.2	40.2	50.6	48.2	7.4	8.0	No	Yes	Yes	Yes
1455	1 ADA STREET SINGLETON*	Residential	49	46	36.7	33.6	49.6	47.2	12.9	13.6	No	Yes	Yes	Yes
1456	2 ROSE AVENUE SINGLETON	Residential	55	50	44.9	41.8	47.6	45.0	2.7	3.2	No	No	No	No
1457	40 ANDREW STREET SINGLETON	Residential	52	49	40.3	37.3	46.2	43.7	5.9	6.4	No	No	No	No
1458	6 ROSE AVENUE SINGLETON	Residential	55	50	45.5	42.5	48.0	45.4	2.5	2.9	No	No	No	No
1459	4 ROSE AVENUE SINGLETON	Residential	55	50	44.3	41.2	46.3	43.8	2.0	2.6	No	No	No	No
1460	38 ANDREW STREET SINGLETON	Residential	50	46	37.5	34.4	45.6	43.1	8.1	8.7	No	No	No	No
1462	10 ROSE AVENUE SINGLETON	Residential	55	50	46.0	43.0	47.8	45.2	1.8	2.2	No	No	No	No
1463	8 ROSE AVENUE SINGLETON	Residential	55	50	44.8	41.8	47.6	45.1	2.8	3.3	No	No	No	No
1464	36 ANDREW STREET SINGLETON	Residential	49	46	37.3	34.2	45.7	43.2	8.4	9.0	No	No	No	No
1465	12 ROSE AVENUE SINGLETON	Residential	55	50	46.5	43.5	48.8	46.2	2.3	2.7	No	No	No	No
1466	16 ROSE AVENUE SINGLETON	Residential	55	50	45.5	42.5	47.7	45.1	2.2	2.6	No	No	No	No
1467	14 ROSE AVENUE SINGLETON	Residential	55	50	45.6	42.6	48.3	45.8	2.7	3.2	No	No	No	No
1468	18 ROSE AVENUE SINGLETON	Residential	55	50	45.2	42.2	48.2	45.6	3.0	3.4	No	No	No	No
1469	20 ROSE AVENUE SINGLETON	Residential	53	50	40.7	37.6	48.1	45.6	7.4	8.0	No	No	No	No
1470	13 RENSHAW AVENUE SINGLETON	Residential	54	50	42.0	38.9	50.9	48.5	8.9	9.6	No	No	No	No
1471	35 ANDREW STREET SINGLETON	Residential	55	50	43.5	40.5	45.2	42.5	1.7	2.0	No	No	No	No
1472	3 ROSE AVENUE SINGLETON	Residential	55	50	44.8	41.8	45.4	42.7	0.6	0.9	No	No	No	No
1473	5 ROSE AVENUE SINGLETON	Residential	55	50	45.7	42.7	46.2	43.4	0.5	0.7	No	No	No	No
1474	26 VIEW STREET SINGLETON	Residential	55	50	46.3	43.2	47.5	44.8	1.2	1.6	No	No	No	No
1475	32 ANDREW STREET SINGLETON	Residential	51	48	38.9	35.8	45.4	42.9	6.5	7.1	No	No	No	No
1476	1 RENSHAW AVENUE SINGLETON	Residential	53	49	40.5	37.4	50.8	48.4	10.3	11.0	No	No	No	No
1477	32 ANDREW STREET SINGLETON	Residential	51	48	38.6	35.5	45.3	42.8	6.7	7.3	No	No	No	No
1478	29 VIEW STREET SINGLETON	Residential	53	50	41.4	38.4	49.4	47.0	8.0	8.6	No	No	No	No
1479	2 RENSHAW AVENUE SINGLETON	Residential	53	50	41.3	38.2	49.2	46.8	7.9	8.6	No	No	No	No
1480	32 ANDREW STREET SINGLETON	Residential	49	46	37.3	34.2	45.1	42.6	7.8	8.4	No	No	No	No
1482	33 ANDREW STREET SINGLETON	Residential	52	49	39.9	36.8	44.9	42.2	5.0	5.4	No	No	No	No
1483	24 VIEW STREET SINGLETON	Residential	53	50	40.6	37.5	47.0	44.5	6.4	7.0	No	No	No	No
1484	32 ANDREW STREET SINGLETON	Residential	50	47	38.1	35.0	45.1	42.5	7.0	7.5	No	No	No	No
1486	30 ANDREW STREET SINGLETON	Residential	52	49	39.6	36.5	45.2	42.7	5.6	6.2	No	No	No	No
1487	27 VIEW STREET SINGLETON	Residential	49	46	37.1	33.9	48.8	46.4	11.7	12.5	No	No	No	No
1488	4 RENSHAW AVENUE SINGLETON	Residential	52	49	39.6	36.5	49.1	46.7	9.5	10.2	No	No	No	No
1490	6 RENSHAW AVENUE SINGLETON	Residential	52	49	39.9	36.8	49.3	46.8	9.4	10.0	No	No	No	No
1491	22 VIEW STREET SINGLETON	Residential	49	46	37.3	34.2	46.3	43.8	9.0	9.6	No	No	No	No
1492	43 KELSO STREET SINGLETON	Residential	52	49	39.7	36.5	45.3	42.7	5.6	6.2	No	No	No	No

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - Noise Barrier								Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change					
			Day	Night	Day	Night	Day	Night	Day	Night				
1493	5 RENSHAW AVENUE SINGLETON	Residential	52	49	39.9	36.8	50.6	48.2	10.7	11.4	No	No	No	No
1494	25 VIEW STREET SINGLETON	Residential	50	46	37.5	34.3	48.5	46.0	11.0	11.7	No	No	No	No
1495	8 RENSHAW AVENUE SINGLETON	Residential	50	47	37.7	34.5	49.2	46.8	11.5	12.3	No	No	No	No
1496	20 VIEW STREET SINGLETON	Residential	54	50	41.9	38.9	47.6	45.1	5.7	6.2	No	No	No	No
1497	7 RENSHAW AVENUE SINGLETON	Residential	52	49	39.9	36.8	50.6	48.1	10.7	11.3	No	No	No	No
1498	29 ANDREW STREET SINGLETON	Residential	52	49	39.7	36.6	44.9	42.3	5.2	5.7	No	No	No	No
1499	23 VIEW STREET SINGLETON	Residential	50	47	38.2	35.0	49.1	46.7	10.9	11.7	No	No	No	No
1500	10 RENSHAW AVENUE SINGLETON	Residential	51	48	39.2	36.1	49.4	47.0	10.2	10.9	No	No	No	No
1501	36A VICTORIA STREET GLENRIDDING	Residential	53	50	40.6	37.5	54.0	51.6	13.4	14.1	Yes	No	No	Yes
1502	9 RENSHAW AVENUE SINGLETON	Residential	53	50	40.8	37.8	50.4	48.0	9.6	10.2	No	No	No	No
1503	18 VIEW STREET SINGLETON	Residential	53	50	40.7	37.6	47.5	45.0	6.8	7.4	No	No	No	No
1504	21 VIEW STREET SINGLETON	Residential	51	47	38.5	35.4	49.4	46.9	10.9	11.5	No	No	No	No
1505	28 ANDREW STREET SINGLETON	Residential	52	49	39.7	36.6	45.2	42.6	5.5	6.0	No	No	No	No
1507	19 VIEW STREET SINGLETON	Residential	47	44	35.1	32.0	48.7	46.2	13.6	14.2	No	No	Yes	Yes
1509	11 RENSHAW AVENUE SINGLETON	Residential	48	45	36.1	32.9	47.6	45.1	11.5	12.2	No	No	No	No
1511	27 ANDREW STREET SINGLETON	Residential	57	50	45.0	37.6	45.6	42.9	0.6	5.3	No	No	No	No
1512	16 VIEW STREET SINGLETON	Residential	53	50	41.0	37.9	47.7	45.2	6.7	7.3	No	No	No	No
1513	26 ANDREW STREET SINGLETON	Residential	53	50	40.9	37.8	45.7	43.1	4.8	5.3	No	No	No	No
1514	17 VIEW STREET SINGLETON	Residential	53	50	41.0	37.9	49.6	47.1	8.6	9.2	No	No	No	No
1515	14 RENSHAW AVENUE SINGLETON	Residential	52	49	40.0	36.9	49.3	46.9	9.3	10.0	No	No	No	No
1516	25 ANDREW STREET SINGLETON	Residential	55	50	45.4	42.3	46.8	44.0	1.4	1.7	No	No	No	No
1517	14 VIEW STREET SINGLETON	Residential	53	50	40.8	37.7	47.8	45.3	7.0	7.6	No	No	No	No
1518	22 RENSHAW AVENUE SINGLETON	Residential	52	49	40.4	37.3	51.0	48.6	10.6	11.3	No	No	Yes	Yes
1518	22 RENSHAW AVENUE SINGLETON*	Residential	50	46	37.7	34.4	49.0	46.6	11.3	12.2	No	No	Yes	Yes
1519	20 RENSHAW AVENUE SINGLETON	Residential	53	50	40.5	37.5	48.3	45.8	7.8	8.3	No	No	No	No
1520	18 RENSHAW AVENUE SINGLETON	Residential	52	49	40.4	37.4	47.5	45.0	7.1	7.6	No	No	No	No
1521	15 VIEW STREET SINGLETON	Residential	53	50	41.2	38.0	49.6	47.1	8.4	9.1	No	No	No	No
1522	23 ANDREW STREET SINGLETON	Residential	52	49	39.7	36.5	46.1	43.5	6.4	7.0	No	No	No	No
1523	24 ANDREW STREET SINGLETON	Residential	55	50	43.8	40.7	45.1	42.4	1.3	1.7	No	No	No	No
1525	12 VIEW STREET SINGLETON	Residential	52	49	39.6	36.6	46.6	44.1	7.0	7.5	No	No	No	No
1526	13 VIEW STREET SINGLETON	Residential	52	48	39.5	36.4	49.4	47.0	9.9	10.6	No	No	No	No
1527	12 RAILWAY STREET SINGLETON	Residential	52	48	39.5	36.4	50.5	48.1	11.0	11.7	No	No	No	No
1528	21 ANDREW STREET SINGLETON	Residential	49	46	37.4	34.2	45.7	43.2	8.3	9.0	No	No	No	No
1529	22 ANDREW STREET SINGLETON	Residential	52	49	40.1	37.0	44.9	42.4	4.8	5.4	No	No	No	No
1530	20 ANDREW STREET SINGLETON	Residential	51	48	39.1	36.0	44.9	42.4	5.8	6.4	No	No	No	No
1531	10 VIEW STREET SINGLETON	Residential	52	49	39.6	36.5	46.9	44.4	7.3	7.9	No	No	No	No
1532	10 RAILWAY STREET SINGLETON	Residential	51	48	39.2	35.9	50.8	48.4	11.6	12.5	No	No	No	No
1533	11 VIEW STREET SINGLETON	Residential	53	50	41.1	37.9	49.9	47.4	8.8	9.5	No	No	No	No
1534	19 ANDREW STREET SINGLETON	Residential	51	48	39.4	36.2	45.9	43.3	6.5	7.1	No	No	No	No
1535	8 VIEW STREET SINGLETON	Residential	53	48	40.8	36.3	47.1	44.5	6.3	8.2	No	No	No	No
1536	17 ANDREW STREET SINGLETON	Residential	49	46	37.0	33.7	45.7	43.1	8.7	9.4	No	No	No	No
1537	18 ANDREW STREET SINGLETON	Residential	51	48	38.9	35.8	45.0	42.5	6.1	6.7	No	No	No	No
1538	8B RAILWAY STREET SINGLETON	Residential	52	49	40.0	36.8	49.9	47.5	9.9	10.7	No	No	No	No
1539	9 VIEW STREET SINGLETON	Residential	50	47	38.3	35.1	49.3	46.8	11.0	11.7	No	No	No	No
1540	6 VIEW STREET SINGLETON	Residential	50	47	38.3	35.2	46.5	44.0	8.2	8.8	No	No	No	No
1542	8 RAILWAY STREET SINGLETON	Residential	51	47	38.6	35.4	50.1	47.7	11.5	12.3	No	No	Yes	Yes
1543	7 VIEW STREET SINGLETON	Residential	49	46	36.6	33.5	48.9	46.4	12.3	12.9	No	No	No	No
1544	16 ANDREW STREET SINGLETON	Residential	50	47	38.3	35.2	45.5	42.8	7.2	7.6	No	No	No	No
1545	15 ANDREW STREET SINGLETON	Residential	51	48	38.9	35.8	45.6	43.1	6.7	7.3	No	No	No	No
1549	2 SCOTT STREET SINGLETON	Residential	50	47	38.3	35.0	50.2	47.7	11.9	12.7	No	No	Yes	Yes
1550	5 VIEW STREET SINGLETON	Residential	52	49	40.2	37.0	49.7	47.3	9.5	10.3	No	No	No	No
1553	4 VIEW STREET SINGLETON	Residential	49	46	36.9	33.6	46.1	43.6	9.2	10.0	No	No	No	No
1555	3A VIEW STREET SINGLETON	Residential	50	47	37.7	34.5	49.1	46.6	11.4	12.1	No	No	No	No
1556	13 ANDREW STREET SINGLETON	Residential	51	48	38.9	35.6	45.8	43.3	6.9	7.7	No	No	No	No
1558	14A ANDREW STREET SINGLETON	Residential	55	50	43.4	40.3	45.8	43.1	2.4	2.8	No	No	No	No
1559	2 SCOTT STREET SINGLETON	Residential	51	48	39.4	36.1	50.1	47.6	10.7	11.5	No	No	No	No
1560	3 VIEW STREET SINGLETON	Residential	50	47	38.3	35.1	49.6	47.2	11.3	12.1	No	No	No	No
1561	2A VIEW STREET SINGLETON	Residential	49	45	36.6	33.4	46.6	44.1	10.0	10.7	No	No	No	No
1562	14 ANDREW STREET SINGLETON	Residential	51	48	38.8	35.6	45.7	43.1	6.9	7.5	No	No	No	No
1563	2 VIEW STREET SINGLETON	Residential	51	48	39.3	35.9	47.5	45.0	8.2	9.1	No	No	No	No
1564	9-11 ANDREW STREET SINGLETON	Residential	50	46	37.7	34.4	45.6	43.1	7.9	8.7	No	No	No	No
1565	32-33 VICTORIA STREET GLENRIDDING	Residential	50	47	38.2	34.9	49.8	47.4	11.6	12.5	No	No	No	No
1566	12 ANDREW STREET SINGLETON	Residential	51	47	38.8	35.3	45.7	43.1	6.9	7.8	No	No	No	No
1568	68 CHURCH STREET SINGLETON	Residential	50	46	37.6	34.2	46.0	43.4	8.4	9.2	No	No	No	No
1569	70 CHURCH STREET SINGLETON	Residential	50	47	38.2	34.7	47.3	44.7	9.1	10.0	No	No	No	No
1570	66 CHURCH STREET SINGLETON	Residential	50	47	37.8	34.6	45.6	43.0	7.8	8.4	No	No	No	No
1572	55 CHURCH STREET GLENRIDDING	Residential	48	45	36.4	33.1	51.8	49.4	15.4	16.3	No	No	Yes	Yes
1573	64 CHURCH STREET SINGLETON	Residential	49	46	37.4	34.2	44.8	42.2	7.4	8.0	No	No	No	No
1575	56 CHURCH STREET SINGLETON	Residential	51	47	38.5	35.2	45.6	43.1	7.1	7.9	No	No	No	No
1576	60 CHURCH STREET SINGLETON	Residential	51	48	38.8	35.5	45.8	43.3	7.0	7.8	No	No	No	No
1577	62 CHURCH STREET SINGLETON	Residential	51	47	38.5	35.2	45.3	42.7	6.8	7.5	No	No	No	No
1578	31 VICTORIA STREET GLENRIDDING	Residential	50	46	37.6	34.2	50.3	47.8	12.7	13.6	No	No	Yes	Yes
1580	56 CHURCH STREET SINGLETON	Residential	50	47	38.4	35.0	45.7	43.2	7.3	8.2	No	No	No	No
1582	47 CHURCH STREET SINGLETON	Residential	51	47	38.5	35.1	49.2	46.7	10.7	11.6	No	No	No	No
1584	30 VICTORIA STREET GLENRIDDING	Residential	49	46	37.0	33.6	49.6	47.1	12.6	13.5	No	No	Yes	Yes
1585	43 CHURCH STREET SINGLETON	Residential	51	47	38.6	35.2	47.7	45.1	9.1	9.9	No	No	No	No
1586	45 CHURCH STREET SINGLETON	Residential	52	48	39.5	36.1	48.4	45.8	8.9	9.7	No	No	No	No
1588	41 CHURCH STREET SINGLETON	Residential	50	47	38.0	34.7	45.6	43.0	7.6	8.3	No	No	No	No
1589	39A CHURCH STREET SINGLETON	Residential	51	47	38.7	35.3	46.5	44.0	7.8	8.7	No	No	No	No
1591	29 VICTORIA STREET GLENRIDDING	Residential	50	46	37.7	34.3	49.7	47.3	12.0	13.0	No	No	Yes	Yes
1592	37 CHURCH STREET SINGLETON	Residential	52	49	39.7	36.5	46.6	44.0	6.9	7.5	No	No	No	No
1593	41 CHURCH STREET SINGLETON	Residential	52	48	39.5	36.1	47.9	45.5	8.4	9.4	No	No	No	No
1594	35 CHURCH STREET SINGLETON	Residential	50	47	38.4	35.1	46.3	43.7	7.9	8.6	No	No	No	No
1595	28 VICTORIA STREET GLENRIDDING	Residential	50	47	38.3	34.9	49.7	47.2	11.4	12.3	No	No	No	No
1597	30 CARRINGTON STREET GLENRIDDING	Residential	51	48	39.2	35.8	52.4	50.0	13.2	14.2	No	No	Yes	Yes
1598	17 KELSO STREET SINGLETON	Residential	51	48	38.8	35.6	45.8	43.3	7.0	7.7	No	No	No	No
1599	27 VICTORIA STREET GLENRIDDING	Residential	47	44	35.2	31.9	48.5	46.0	13.3	14.1	No	No	Yes	Yes
1600	8 ANDREW STREET SINGLETON	Residential	52	48	39.6	36.4	46.6	44.0	7.0	7.6	No	No	No	No
1601	26 VICTORIA STREET GLENRIDDING	Residential	51	48	39.3	35.8	50.3	47.8	11.0	12.0	No	No	No	No
1602	6 ANDREW STREET SINGLETON	Residential	50	47	38.2	35.0	46.5	44.0	8.3	9.0	No	No	No	No
1603	1 ANDREW STREET SINGLETON	Residential	51	48	38.8	35.5	47.5	45.0	8.7	9.5	No	No	No	No
1605	15 KELSO STREET SINGLETON	Residential	50	47	38.1	34.9	46.1	43.6	8.0	8.7	No	No	No	No
1606	25 VICTORIA STREET GLENRIDDING	Residential	52	48	39.7	36.3	49.9	47.4	10.2	11.1	No	No	No	No

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - Noise Barrier								Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change					
			Day	Night	Day	Night	Day	Night	Day	Night				
1607	13 KELSO STREET SINGLETON	Residential	49	46	36.9	33.6	46.1	43.6	9.2	10.0	No	No	No	No
1608	11 KELSO STREET SINGLETON	Residential	50	47	37.8	34.6	46.6	44.1	8.8	9.5	No	No	No	No
1609	23 VICTORIA STREET GLENRIDDING	Residential	51	48	39.4	36.1	50.0	47.5	10.6	11.4	No	No	No	No
1610	4 ANDREW STREET SINGLETON	Residential	50	47	37.9	34.7	46.6	44.1	8.7	9.4	No	No	No	No
1611	9 KELSO STREET SINGLETON	Residential	49	46	37.3	34.1	46.2	43.7	8.9	9.6	No	No	No	No
1614	7 KELSO STREET SINGLETON	Residential	50	47	38.0	34.8	46.6	44.1	8.6	9.3	No	No	No	No
1615	2 ANDREW STREET SINGLETON	Residential	49	45	36.6	33.4	46.7	44.2	10.1	10.8	No	No	No	No
1616	5 KELSO STREET SINGLETON	Residential	52	48	39.6	36.4	46.8	44.2	7.2	7.8	No	No	No	No
1620	3 KELSO STREET SINGLETON	Residential	51	47	38.6	35.4	46.6	44.0	8.0	8.6	No	No	No	No
1622	10 CROWN STREET GLENRIDDING	Residential	52	48	39.7	36.3	51.5	49.1	11.8	12.8	No	No	Yes	Yes
1623	35 CARRINGTON STREET GLENRIDDING	Residential	53	49	40.6	37.1	51.8	49.3	11.2	12.2	No	No	Yes	Yes
1626	48 ARMY CAMP ROAD GLENRIDDING	Residential	55	50	45.9	42.4	54.9	52.4	9.0	10.0	Yes	No	No	Yes
1630	8 KELSO STREET SINGLETON	Residential	50	47	37.9	34.6	46.5	44.0	8.6	9.4	No	No	No	No
1633	13 CROWN STREET GLENRIDDING	Residential	54	50	42.3	38.8	53.7	51.3	11.4	12.5	Yes	No	No	Yes
1634	19 VICTORIA STREET GLENRIDDING	Residential	51	47	38.7	35.3	49.4	46.9	10.7	11.6	No	No	Yes	Yes
1634	19 VICTORIA STREET GLENRIDDING	Residential	47	44	35.4	32.1	47.1	44.6	11.7	12.5	No	No	Yes	Yes
1635	9 CROWN STREET GLENRIDDING	Residential	52	48	39.9	36.4	51.3	48.9	11.4	12.5	No	No	Yes	Yes
1636	33 CARRINGTON STREET GLENRIDDING	Residential	54	50	41.7	38.3	52.0	49.5	10.3	11.2	No	No	Yes	Yes
1636	33 CARRINGTON STREET GLENRIDDING	Residential	51	47	38.5	35.1	50.6	48.2	12.1	13.1	No	No	Yes	Yes
1637	16 VICTORIA STREET GLENRIDDING	Residential	52	49	40.3	36.9	51.1	48.6	10.8	11.7	No	No	No	No
1638	9 ALBERT STREET SINGLETON	Residential	54	50	42.1	38.9	46.7	44.0	4.6	5.1	No	No	No	No
1639	16 ALBERT STREET SINGLETON	Residential	50	47	38.4	35.0	46.5	43.9	8.1	8.9	No	No	No	No
1640	18 VICTORIA STREET GLENRIDDING	Residential	53	49	40.7	37.3	49.4	46.9	8.7	9.6	No	No	No	No
1641	7 ALBERT STREET SINGLETON	Residential	50	46	37.5	34.3	46.2	43.7	8.7	9.4	No	No	No	No
1642	16 ALBERT STREET SINGLETON	Residential	52	50	39.7	39.8	45.3	42.7	5.6	2.9	No	No	No	No
1647	5 ALBERT STREET SINGLETON	Residential	54	46	42.1	34.2	46.2	43.6	4.1	9.4	No	No	No	No
1648	29 CARRINGTON STREET GLENRIDDING	Residential	55	50	42.5	39.0	52.4	49.9	9.9	10.9	No	No	No	No
1649	13 WYNYARD STREET SINGLETON	Residential	50	47	37.9	34.7	45.9	43.4	8.0	8.7	No	No	No	No
1650	3 ALBERT STREET SINGLETON	Residential	50	46	37.7	34.4	46.3	43.8	8.6	9.4	No	No	No	No
1651	13 WYNYARD STREET SINGLETON	Residential	52	49	39.9	36.5	47.3	44.7	7.4	8.2	No	No	No	No
1653	1A ALBERT STREET SINGLETON	Residential	50	47	38.1	34.7	46.4	43.9	8.3	9.2	No	No	No	No
1654	12 ALBERT STREET SINGLETON	Residential	51	47	38.5	35.2	46.5	43.9	8.0	8.7	No	No	No	No
1658	15 VICTORIA STREET GLENRIDDING	Residential	50	47	38.0	34.6	48.5	46.0	10.5	11.4	No	No	No	No
1659	25 CARRINGTON STREET GLENRIDDING	Residential	55	50	43.0	39.6	52.4	50.0	9.4	10.4	No	No	Yes	Yes
1659	25 CARRINGTON STREET GLENRIDDING*	Residential	51	47	38.6	35.3	50.1	47.7	11.5	12.4	No	No	Yes	Yes
1660	10 ALBERT STREET SINGLETON	Residential	51	48	38.8	35.6	46.5	44.0	7.7	8.4	No	No	No	No
1662	1 ALBERT STREET SINGLETON	Residential	50	47	38.0	34.7	46.8	44.3	8.8	9.6	No	No	No	No
1664	8 ALBERT STREET SINGLETON	Residential	51	47	38.6	35.3	46.5	44.0	7.9	8.7	No	No	No	No
1666	4 KELSO STREET SINGLETON	Residential	52	49	39.9	36.5	47.9	45.3	8.0	8.8	No	No	No	No
1667	2 KELSO STREET SINGLETON	Residential	53	50	41.3	37.8	49.5	47.0	8.2	9.2	No	No	No	No
1668	3 RAWCLIFFE STREET SINGLETON	Residential	54	50	41.8	38.4	48.1	45.5	6.3	7.1	No	No	No	No
1671	21 CARRINGTON STREET GLENRIDDING	Residential	55	50	42.8	39.3	51.8	49.4	9.0	10.1	No	No	Yes	Yes
1671	21 CARRINGTON STREET GLENRIDDING	Residential	49	46	37.4	33.9	49.9	47.4	12.5	13.5	No	No	Yes	Yes
1672	6 ALBERT STREET SINGLETON	Residential	50	47	38.4	35.1	46.5	44.0	8.1	8.9	No	No	No	No
1675	19 CARRINGTON STREET GLENRIDDING	Residential	55	50	44.0	40.6	51.9	49.4	7.9	8.8	No	No	Yes	Yes
1675	19 CARRINGTON STREET GLENRIDDING*	Residential	46	42	33.5	30.0	47.4	44.9	13.9	14.9	No	No	Yes	Yes
1677	15 CARRINGTON STREET GLENRIDDING	Residential	55	50	44.5	41.0	53.0	50.6	8.5	9.6	No	No	Yes	Yes
1677	15 CARRINGTON STREET GLENRIDDING*	Residential	55	50	44.5	41.0	53.0	50.6	8.5	9.6	No	No	Yes	Yes
1678	4 ALBERT STREET SINGLETON	Residential	52	48	39.8	36.4	48.0	45.4	8.2	9.0	No	No	No	No
1681	7 RAWCLIFFE STREET SINGLETON	Residential	52	48	39.5	36.1	47.2	44.6	7.7	8.5	No	No	No	No
1682	9 WYNYARD STREET SINGLETON	Residential	55	50	43.3	40.2	47.1	44.4	3.8	4.2	No	No	No	No
1684	9 WYNYARD STREET SINGLETON	Residential	55	50	43.0	39.8	47.0	44.3	4.0	4.5	No	No	No	No
1685	13 CARRINGTON STREET GLENRIDDING	Residential	55	50	47.1	43.6	54.0	51.5	6.9	7.9	Yes	No	No	Yes
1686	9 WYNYARD STREET SINGLETON	Residential	51	48	39.1	35.7	47.2	44.7	8.1	9.0	No	No	No	No
1687	14 CARRINGTON STREET GLENRIDDING	Residential	55	50	44.3	40.8	52.9	50.3	8.6	9.5	No	No	Yes	Yes
1687	14 CARRINGTON STREET GLENRIDDING*	Residential	47	44	35.4	32.0	47.8	45.3	12.4	13.3	No	No	Yes	Yes
1688	12 VICTORIA STREET GLENRIDDING	Residential	55	50	42.8	39.3	51.1	48.6	8.3	9.3	No	No	No	No
1689	9 WYNYARD STREET SINGLETON	Residential	52	49	40.1	36.8	48.3	45.7	8.2	8.9	No	No	No	No
1690	75 PUTTY ROAD GLENRIDDING	Residential	60	55	65.8	62.4	69.2	67.0	3.4	4.6	Yes	No	No	Yes
1692	12 CARRINGTON STREET GLENRIDDING	Residential	55	50	46.2	42.7	53.1	50.6	6.9	7.9	Yes	No	No	Yes
1693	32 GLENRIDDING ROAD GLENRIDDING	Residential	55	50	56.3	52.8	63.9	61.5	7.6	8.7	Yes	No	No	Yes
1694	7 RAWCLIFFE STREET SINGLETON	Residential	53	49	40.8	37.4	47.8	45.2	7.0	7.8	No	No	No	No
1695	10 CARRINGTON STREET GLENRIDDING	Residential	55	50	46.0	42.5	52.8	50.3	6.8	7.8	No	No	Yes	Yes
1695	10 CARRINGTON STREET GLENRIDDING*	Residential	49	45	36.8	33.3	48.5	46.0	11.7	12.7	No	No	Yes	Yes
1698	7 CARRINGTON STREET GLENRIDDING	Residential	55	50	45.4	41.9	53.9	51.4	8.5	9.5	Yes	No	No	Yes
1700	69 BATHURST STREET SINGLETON	Residential	51	48	38.9	35.6	47.4	44.9	8.5	9.3	No	No	No	No
1701	8 CARRINGTON STREET GLENRIDDING	Residential	55	50	46.9	43.5	53.9	51.4	7.0	7.9	Yes	No	No	Yes
1703	5 CARRINGTON STREET GLENRIDDING	Residential	55	50	48.2	44.7	54.6	52.1	6.4	7.4	No	No	Yes	Yes
1703	5 CARRINGTON STREET GLENRIDDING*	Residential	53	49	40.9	37.4	52.1	49.6	11.2	12.2	No	No	Yes	Yes
1705	8 MUNRO LANE SINGLETON	Residential	54	50	42.2	38.8	50.2	47.6	8.0	8.8	No	No	No	No
1706	6 CARRINGTON STREET GLENRIDDING	Residential	55	50	50.0	46.5	54.7	52.2	4.7	5.7	Yes	No	No	Yes
1708	3 CARRINGTON STREET GLENRIDDING	Residential	55	50	54.2	50.7	56.6	54.2	2.4	3.5	Yes	No	No	Yes
1709	7 WYNYARD STREET SINGLETON	Residential	50	47	37.8	34.5	47.3	44.8	9.5	10.3	No	No	No	No
1711	9 VICTORIA STREET GLENRIDDING	Residential	55	50	43.8	40.4	50.4	48.0	6.6	7.6	No	No	No	No
1713	7 WYNYARD STREET SINGLETON	Residential	55	50	42.6	39.3	47.9	45.2	5.3	5.9	No	No	No	No
1714	8 VICTORIA STREET GLENRIDDING	Residential	55	50	42.7	39.3	50.4	47.9	7.7	8.6	No	No	No	No
1715	67 BATHURST STREET SINGLETON	Residential	52	49	40.2	36.8	47.3	44.7	7.1	7.9	No	No	No	No
1717	5 WYNYARD STREET SINGLETON	Residential	52	49	39.9	36.5	48.5	46.0	8.6	9.5	No	No	No	No
1719	65 BATHURST STREET SINGLETON	Residential	53	49	40.8	37.4	47.9	45.3	7.1	7.9	No	No	No	No
1721	3 WYNYARD STREET SINGLETON	Residential	52	49	39.9	36.5	48.9	46.4	9.0	9.9	No	No	No	No
1722	7 VICTORIA STREET GLENRIDDING	Residential	55	50	44.9	41.5	50.8	48.3	5.9	6.8	No	No	No	No
1723	63 BATHURST STREET SINGLETON	Residential	53	50	41.4	38.1	48.3	45.7	6.9	7.6	No	No	No	No
1724	1 WYNYARD STREET SINGLETON	Residential	55	50	42.9	39.4	50.3	47.7	7.4	8.3	No	No	No	No
1725	8 WYNYARD STREET SINGLETON	Residential	51	48	39.1	35.8	47.4	44.9	8.3	9.1	No	No	No	No
1727	6 VICTORIA STREET GLENRIDDING	Residential	55	50	45.6	42.1	51.7	49.2	6.1	7.1	No	No	No	No
1728	61 BATHURST STREET SINGLETON	Residential	53	50	41.1	37.8	48.0	45.4	6.9	7.6	No	No	No	No
1729	6 WYNYARD STREET SINGLETON	Residential	53	49	40.5	37.0	47.4	44.9	6.9	7.9	No	No	No	No
1730	5 VICTORIA STREET GLENRIDDING	Residential	55	50	45.7	42.3	51.8	49.3	6.1	7.0	No	No	No	No
1731	4 WYNYARD STREET SINGLETON	Residential	53	49	40.5	37.0	48.6	46.0	8.1	9.0	No	No	No	No
1732	59 BATHURST STREET SINGLETON	Residential	52	49	40.0	36.5	47.0	44.4	7.0	7.9	No	No	No	No
1733	4 VICTORIA STREET GLENRIDDING	Residential	55	50	44.1	40.6	50.7	48.2	6.6	7.6	No	No	No	No
1734	2 WYNYARD STREET SINGLETON	Residential	53	49	40.7	37.2	48.9	46.4	8.2	9.2	No	No	No	No
1736	46 BATHURST STREET SINGLETON	Child Care	100	100	40.3	36.9	46.7	44.2	6.4	7.3	No	No	No	No

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - Noise Barrier								Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change					
			Day	Night	Day	Night	Day	Night	Day	Night				
1738	3 VICTORIA STREET GLENRIDDING	Residential	55	49	45.8	37.4	49.5	47.0	3.7	9.6	No	No	No	No
1739	76 PUTTY ROAD GLENRIDDING	Residential	54	50	42.0	38.5	55.0	52.4	13.0	13.9	No	No	Yes	Yes
1740	9 PARK STREET SINGLETON	Residential	52	49	39.8	36.5	47.5	45.0	7.7	8.5	No	No	No	No
1741	5 FREDERICK STREET SINGLETON	Residential	53	49	40.6	37.2	48.7	46.2	8.1	9.0	No	No	No	No
1742	8 GLENRIDDING ROAD GLENRIDDING	Residential	55	50	54.1	50.6	56.6	54.2	2.5	3.6	Yes	No	No	Yes
1744	2 VICTORIA STREET GLENRIDDING	Residential	55	50	47.6	44.1	51.2	48.6	3.6	4.5	No	No	No	No
1745	7 PARK STREET SINGLETON	Residential	51	47	38.7	35.3	46.6	44.1	7.9	8.8	No	No	No	No
1746	57 BATHURST STREET SINGLETON	Residential	52	49	40.2	36.9	47.7	45.1	7.5	8.2	No	No	No	No
1747	7 FREDERICK STREET SINGLETON	Residential	53	50	41.2	37.7	48.0	45.5	6.8	7.8	No	No	No	No
1748	5 PARK STREET SINGLETON	Residential	52	48	39.7	36.4	47.1	44.6	7.4	8.2	No	No	No	No
1750	1 VICTORIA STREET GLENRIDDING	Residential	100	100	49.6	46.2	53.2	50.6	3.6	4.4	No	No	No	No
1751	3 PARK STREET SINGLETON	Residential	49	46	37.4	34.0	45.8	43.3	8.4	9.3	No	No	No	No
1752	1 PARK STREET SINGLETON	Residential	54	50	42.0	38.6	49.1	46.5	7.1	7.9	No	No	No	No
1753	9 FREDERICK STREET SINGLETON	Residential	55	50	43.0	39.5	49.4	46.8	6.4	7.3	No	No	No	No
1756	55 BATHURST STREET SINGLETON	Residential	53	49	40.7	37.3	47.8	45.2	7.1	7.9	No	No	No	No
1757	12 PARK STREET SINGLETON	Residential	52	49	40.4	37.0	47.8	45.2	7.4	8.2	No	No	No	No
1758	2 GLENRIDDING ROAD GLENRIDDING	Residential	55	50	53.9	50.5	55.4	52.8	1.5	2.3	Yes	No	No	Yes
1760	53 BATHURST STREET SINGLETON	Residential	53	49	40.7	37.2	47.6	45.0	6.9	7.8	No	No	No	No
1761	10 PARK STREET SINGLETON	Residential	52	49	40.1	36.7	47.5	44.9	7.4	8.2	No	No	No	No
1762	11 FREDERICK STREET SINGLETON	Residential	55	50	42.8	39.4	49.4	46.8	6.6	7.4	No	No	No	No
1763	9 GLENRIDDING ROAD GLENRIDDING	Residential	60	55	59.3	55.8	58.2	55.7	-1.1	-0.1	Yes	No	No	Yes
1764	8 PARK STREET SINGLETON	Residential	53	49	40.5	37.1	47.5	44.9	7.0	7.8	No	No	No	No
1765	44 BATHURST STREET SINGLETON	Residential	53	50	41.4	38.0	47.2	44.6	5.8	6.6	No	No	No	No
1766	6 PARK STREET SINGLETON	Residential	53	49	40.7	37.3	47.9	45.4	7.2	8.1	No	No	No	No
1767	23 GLENRIDDING ROAD GLENRIDDING	Residential	55	50	44.9	41.5	57.7	55.1	12.8	13.6	No	No	Yes	Yes
1768	51 BATHURST STREET SINGLETON	Residential	52	49	40.0	36.6	46.7	44.1	6.7	7.5	No	No	No	No
1769	4 PARK STREET SINGLETON	Residential	53	49	40.5	37.1	48.0	45.4	7.5	8.3	No	No	No	No
1772	7 GLENRIDDING ROAD GLENRIDDING	Residential	60	55	60.1	56.6	58.3	55.8	-1.8	-0.8	No	No	No	No
1773	2 PARK STREET SINGLETON	Residential	54	50	41.9	38.4	48.3	45.7	6.4	7.3	No	No	No	No
1774	25 HARRIETT STREET SINGLETON	Residential	53	49	40.7	37.4	47.4	44.8	6.7	7.4	No	No	No	No
1776	23 HARRIETT STREET SINGLETON	Residential	52	49	40.4	37.0	47.6	45.0	7.2	8.0	No	No	No	No
1777	49 BATHURST STREET SINGLETON	Residential	53	49	40.5	37.1	46.9	44.3	6.4	7.2	No	No	No	No
1778	44 BATHURST STREET SINGLETON	Residential	54	50	42.3	38.9	47.3	44.6	5.0	5.7	No	No	No	No
1780	2 WALTER STREET SINGLETON	Residential	55	50	48.1	44.6	52.7	50.1	4.6	5.5	No	No	No	No
1782	21 HARRIETT STREET SINGLETON	Residential	52	49	40.2	36.8	47.5	44.9	7.3	8.1	No	No	No	No
1783	13A FREDERICK STREET SINGLETON	Residential	54	50	42.3	38.9	48.7	46.1	6.4	7.2	No	No	No	No
1784	30 HARRIETT STREET SINGLETON	Residential	52	49	40.1	36.8	47.1	44.5	7.0	7.7	No	No	No	No
1786	19 HARRIETT STREET SINGLETON	Residential	52	49	40.4	37.0	47.8	45.2	7.4	8.2	No	No	No	No
1788	28 HARRIETT STREET SINGLETON	Residential	52	48	39.7	36.3	47.0	44.4	7.3	8.1	No	No	No	No
1790	32 BATHURST STREET SINGLETON	Residential	55	50	42.7	39.2	47.1	44.5	4.4	5.3	No	No	No	No
1791	17 HARRIETT STREET SINGLETON	Residential	51	48	39.2	35.8	46.8	44.2	7.6	8.4	No	No	No	No
1792	26 HARRIETT STREET SINGLETON	Residential	51	48	39.3	35.9	46.9	44.3	7.6	8.4	No	No	No	No
1793	47 BATHURST STREET SINGLETON	Residential	53	49	40.5	37.2	46.9	44.3	6.4	7.1	No	No	No	No
1794	3 DUDDING STREET SINGLETON	Residential	55	50	45.4	41.9	50.6	48.0	5.2	6.1	No	No	No	No
1795	7 DUDDING STREET SINGLETON	Residential	55	50	44.7	41.2	50.1	47.5	5.4	6.3	No	No	No	No
1796	5 GLENRIDDING ROAD GLENRIDDING	Residential	60	55	59.2	55.7	57.4	55.0	-1.8	-0.7	No	No	No	No
1797	6 DUDDING STREET SINGLETON	Residential	54	50	41.5	38.0	48.2	45.6	6.7	7.6	No	No	No	No
1798	15 HARRIETT STREET SINGLETON	Residential	54	50	42.4	39.0	48.5	45.9	6.1	6.9	No	No	No	No
1799	1 DUDDING STREET SINGLETON	Residential	55	50	45.9	42.5	51.0	48.4	5.1	5.9	No	No	No	No
1800	5 DUDDING STREET SINGLETON	Residential	55	50	45.1	41.6	50.3	47.8	5.2	6.2	No	No	No	No
1801	4 DUDDING STREET SINGLETON	Residential	53	50	41.4	37.9	47.9	45.3	6.5	7.4	No	No	No	No
1802	24 HARRIETT STREET SINGLETON	Residential	53	50	40.9	37.5	47.6	45.0	6.7	7.5	No	No	No	No
1803	26 HARRIETT STREET SINGLETON	Residential	53	49	40.6	37.2	46.6	44.0	6.0	6.8	No	No	No	No
1805	22 HARRIETT STREET SINGLETON	Residential	54	50	41.5	38.1	47.9	45.3	6.4	7.2	No	No	No	No
1806	45 BATHURST STREET SINGLETON	Residential	53	50	41.1	37.7	47.3	44.7	6.2	7.0	No	No	No	No
1808	4A DUDDING STREET SINGLETON	Residential	54	50	42.3	38.8	48.2	45.6	5.9	6.8	No	No	No	No
1809	20 HARRIETT STREET SINGLETON	Residential	53	50	41.3	37.9	47.7	45.1	6.4	7.2	No	No	No	No
1810	26 HARRIETT STREET SINGLETON	Residential	54	50	41.9	38.5	48.0	45.4	6.1	6.9	No	No	No	No
1811	43 BATHURST STREET SINGLETON	Residential	53	49	40.7	37.2	47.1	44.4	6.4	7.2	No	No	No	No
1812	2 DUDDING STREET SINGLETON	Residential	55	50	43.4	40.0	48.9	46.3	5.5	6.3	No	No	No	No
1813	3 LESLEY STREET SINGLETON	Residential	55	50	45.1	41.7	49.5	46.9	4.4	5.2	No	No	No	No
1814	2A DUDDING STREET SINGLETON	Residential	55	50	43.7	40.1	49.1	46.6	5.4	6.5	No	No	No	No
1815	11 HARRIETT STREET SINGLETON	Residential	54	50	42.2	38.8	48.2	45.6	6.0	6.8	No	No	No	No
1816	13 HARRIETT STREET SINGLETON	Residential	53	50	41.1	37.6	47.6	45.0	6.5	7.4	No	No	No	No
1817	16 HARRIETT STREET SINGLETON	Residential	54	50	41.7	38.3	47.9	45.3	6.2	7.0	No	No	No	No
1818	18 HARRIETT STREET SINGLETON	Residential	52	49	40.2	36.8	46.8	44.2	6.6	7.4	No	No	No	No
1819	41 BATHURST STREET SINGLETON	Residential	55	50	44.1	40.9	45.8	43.0	1.7	2.1	No	No	No	No
1820	29 ARGYLE STREET SINGLETON	Residential	55	50	43.5	40.3	45.9	43.2	2.4	2.9	No	No	No	No
1821	9 HARRIETT STREET SINGLETON	Residential	55	50	44.1	40.6	49.2	46.6	5.1	6.0	No	No	No	No
1822	1 LESLEY STREET SINGLETON	Residential	55	50	44.1	40.6	48.3	45.8	4.2	5.2	No	No	No	No
1823	7 HARRIETT STREET SINGLETON	Residential	55	50	43.5	40.1	49.1	46.5	5.6	6.4	No	No	No	No
1824	8 FREDERICK STREET SINGLETON	Residential	54	50	42.4	38.9	48.2	45.6	5.8	6.7	No	No	No	No
1825	25 ARGYLE STREET SINGLETON	Residential	53	50	41.0	37.6	47.4	44.7	6.4	7.1	No	No	No	No
1826	27 ARGYLE STREET SINGLETON	Residential	55	50	43.0	39.8	46.3	43.6	3.3	3.8	No	No	No	No
1827	5 HARRIETT STREET SINGLETON	Residential	54	50	42.2	38.8	48.0	45.4	5.8	6.6	No	No	No	No
1828	10 FREDERICK STREET SINGLETON	Residential	55	50	43.0	39.6	48.6	46.0	5.6	6.4	No	No	No	No
1829	12 HARRIETT STREET SINGLETON	Residential	55	50	42.7	39.2	48.4	45.8	5.7	6.6	No	No	No	No
1830	32 ARGYLE STREET SINGLETON	Residential	53	50	41.3	38.1	46.4	43.8	5.1	5.7	No	No	No	No
1831	23 ARGYLE STREET SINGLETON	Residential	52	49	40.4	37.0	47.1	44.5	6.7	7.5	No	No	No	No
1832	15 FREDERICK STREET SINGLETON	Residential	53	50	41.0	37.6	47.0	44.4	6.0	6.8	No	No	No	No
1834	3 HARRIETT STREET SINGLETON	Residential	54	50	42.4	39.0	47.4	44.8	5.0	5.8	No	No	No	No
1835	10 HARRIETT STREET SINGLETON	Residential	55	50	43.7	40.2	48.8	46.2	5.1	6.0	No	No	No	No
1836	30 ARGYLE STREET SINGLETON	Residential	53	50	40.9	37.7	46.9	44.2	6.0	6.5	No	No	No	No
1837	1 HARRIETT STREET SINGLETON	Residential	55	50	43.6	40.2	46.7	44.0	3.1	3.8	No	No	No	No
1838	28 ARGYLE STREET SINGLETON	Residential	52	49	40.3	37.0	46.6	44.0	6.3	7.0	No	No	No	No
1839	21 ARGYLE STREET SINGLETON	Residential	52	49	39.9	36.5	46.6	44.0	6.7	7.5	No	No	No	No
1841	12 FREDERICK STREET SINGLETON	Residential	55	50	44.1	40.6	49.4	46.8	5.3	6.2	No	No	No	No
1842	8 HARRIETT STREET SINGLETON	Residential	55	50	44.0	40.6	49.1	46.5	5.1	5.9	No	No	No	No
1843	19 ARGYLE STREET SINGLETON	Residential	55	50	43.5	40.2	46.7	44.1	3.2	3.9	No	No	No	No
1844	24 ARGYLE STREET SINGLETON	Residential	53	50	40.8	37.5	47.3	44.7	6.5	7.2	No	No	No	No
1845	26 ARGYLE STREET SINGLETON	Residential	53	50	40.8	37.5	47.0	44.4	6.2	6.9	No	No	No	No
1846	17 ARGYLE STREET SINGLETON	Residential	53	49	40.7	37.4	47.0	44.4	6.3	7.0	No	No	No	No
1847	15 ARGYLE STREET SINGLETON	Residential	55	50	43.5	40.0	48.5	45.9	5.0	5.9	No	No	No	No

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - Noise Barrier								Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change					
			Day	Night	Day	Night	Day	Night	Day	Night				
1848	14 FREDERICK STREET SINGLETON	Residential	55	50	44.2	40.7	49.3	46.7	5.1	6.0	No	No	No	No
1849	6 HARRIETT STREET SINGLETON	Residential	55	50	44.2	40.8	49.3	46.7	5.1	5.9	No	No	No	No
1850	4 HARRIETT STREET SINGLETON	Residential	55	50	43.5	40.0	48.6	46.0	5.1	6.0	No	No	No	No
1851	22 ARGYLE STREET SINGLETON	Residential	54	50	42.4	38.9	47.5	44.9	5.1	6.0	No	No	No	No
1853	13 ARGYLE STREET SINGLETON	Residential	53	49	40.7	37.3	46.4	43.8	5.7	6.5	No	No	No	No
1854	20 ARGYLE STREET SINGLETON	Residential	53	50	41.4	38.1	47.6	44.9	6.2	6.8	No	No	No	No
1856	9 ARGYLE STREET SINGLETON	Residential	55	50	44.9	41.5	49.8	47.2	4.9	5.7	No	No	No	No
1857	11 ARGYLE STREET SINGLETON	Residential	55	50	43.0	39.6	48.3	45.7	5.3	6.1	No	No	No	No
1858	18 ARGYLE STREET SINGLETON	Residential	53	50	41.3	37.9	47.6	45.0	6.3	7.1	No	No	No	No
1859	16 ARGYLE STREET SINGLETON	Residential	55	50	43.6	40.1	48.2	45.5	4.6	5.4	No	No	No	No
1861	7 ARGYLE STREET SINGLETON	Residential	55	50	45.5	42.0	50.2	47.6	4.7	5.6	No	No	No	No
1862	25 GAS STREET SINGLETON	Residential	54	50	42.4	39.2	47.5	44.8	5.1	5.6	No	No	No	No
1864	14 ARGYLE STREET SINGLETON	Residential	54	50	41.8	38.4	47.9	45.3	6.1	6.9	No	No	No	No
1865	5 ARGYLE STREET SINGLETON	Residential	55	50	46.3	42.8	50.6	48.0	4.3	5.2	No	No	No	No
1866	16 ARGYLE STREET SINGLETON	Residential	55	50	43.3	39.9	48.0	45.3	4.7	5.4	No	No	No	No
1867	12 ARGYLE STREET SINGLETON	Residential	54	50	42.0	38.6	47.9	45.3	5.9	6.7	No	No	No	No
1869	3 ARGYLE STREET SINGLETON	Residential	55	50	48.1	44.6	50.9	48.4	2.8	3.8	No	No	No	No
1870	19 GAS STREET SINGLETON	Residential	55	50	43.4	39.9	47.3	44.6	3.9	4.7	No	No	No	No
1871	21 GAS STREET SINGLETON	Residential	59	55	46.8	43.5	47.0	44.4	0.2	0.9	No	No	No	No
1873	10 ARGYLE STREET SINGLETON	Residential	54	50	41.6	38.2	47.7	45.1	6.1	6.9	No	No	No	No
1874	8 ARGYLE STREET SINGLETON	Residential	55	50	42.6	39.2	48.0	45.4	5.4	6.2	No	No	No	No
1875	17 FREDERICK STREET SINGLETON	Residential	55	50	44.4	41.0	48.3	45.7	3.9	4.7	No	No	No	No
1876	17 GAS STREET SINGLETON	Residential	58	55	45.8	42.5	46.4	43.8	0.6	1.3	No	No	No	No
1881	6 ARGYLE STREET SINGLETON	Residential	55	50	43.1	39.6	48.0	45.4	4.9	5.8	No	No	No	No
1882	4 ARGYLE STREET SINGLETON	Residential	55	50	44.6	41.2	48.9	46.3	4.3	5.1	No	No	No	No
1884	15 GAS STREET SINGLETON	Residential	53	50	41.3	38.0	47.3	44.6	6.0	6.6	No	No	No	No
1885	22-26 JOHN STREET SINGLETON	Residential	60	55	60.8	57.3	59.9	57.6	-0.9	0.3	No	No	No	No
1886	2 ARGYLE STREET SINGLETON	Residential	55	50	46.2	42.7	49.8	47.3	3.6	4.6	No	No	No	No
1887	12A GAS STREET SINGLETON	Residential	60	55	48.1	42.8	47.9	45.4	-0.2	2.6	No	No	No	No
1888	13 GAS STREET SINGLETON	Residential	53	50	41.1	37.7	47.2	44.6	6.1	6.9	No	No	No	No
1889	28 JOHN STREET SINGLETON	Residential	60	55	59.7	56.2	59.0	56.7	-0.7	0.5	No	No	No	No
1890	7 MARY STREET SINGLETON	Residential	60	55	62.2	58.7	60.6	58.4	-1.6	-0.3	No	No	No	No
1891	11 GAS STREET SINGLETON	Residential	55	50	44.9	41.4	48.0	45.4	3.1	4.0	No	No	No	No
1892	9 MARY STREET SINGLETON	Residential	60	55	56.6	53.2	57.1	54.8	0.5	1.6	No	No	No	No
1895	10 GAS STREET SINGLETON	Residential	54	54	41.6	42.0	46.9	44.2	5.3	2.2	No	No	No	No
1896	11 MARY STREET SINGLETON	Residential	55	50	53.1	49.7	55.5	53.0	2.4	3.3	Yes	No	No	Yes
1897	8 GAS STREET SINGLETON	Residential	54	55	41.9	43.3	47.0	44.4	5.1	1.1	No	No	No	No
1898	9 GAS STREET SINGLETON	Residential	60	55	48.6	45.1	49.1	46.6	0.5	1.5	No	No	No	No
1899	30 JOHN STREET SINGLETON	Residential	60	55	66.2	62.7	64.8	62.7	-1.4	0.0	No	No	No	No
1900	13 MARY STREET SINGLETON	Residential	55	50	51.8	48.3	55.3	52.7	3.5	4.4	Yes	No	Yes	Yes
1901	7 GAS STREET SINGLETON	Residential	60	55	48.4	44.9	48.7	46.2	0.3	1.3	No	No	No	No
1902	6 GAS STREET SINGLETON	Residential	55	50	46.2	42.7	49.3	46.7	3.1	4.0	No	No	No	No
1906	9 RYAN AVENUE SINGLETON	Residential	60	55	61.8	58.4	60.4	58.3	-1.4	-0.1	No	No	No	No
1910	11 RYAN AVENUE SINGLETON	Residential	60	55	55.6	52.2	55.4	53.0	-0.2	0.8	No	No	No	No
1913	53 JOHN STREET SINGLETON	Residential	60	55	50.5	47.1	50.3	47.9	-0.2	0.8	No	No	No	No
1914	2 RYAN AVENUE SINGLETON	Residential	60	55	60.2	56.7	58.8	56.7	-1.4	0.0	No	No	No	No
1917	4 RYAN AVENUE SINGLETON	Residential	60	55	54.3	50.8	54.9	52.6	0.6	1.8	No	No	No	No
1918	6 RYAN AVENUE SINGLETON	Residential	55	50	51.6	48.1	53.5	51.1	1.9	3.0	Yes	No	No	Yes
1919	59 JOHN STREET SINGLETON	Residential	60	55	52.8	49.4	52.3	50.0	-0.5	0.6	No	No	No	No
1920	59 JOHN STREET SINGLETON	Residential	60	55	67.4	63.9	66.0	63.8	-1.4	-0.1	No	No	No	No
1931	48 SIMPSON TERRACE DARLINGTON	Residential	55	50	40.9	38.0	56.6	54.9	15.7	16.9	Yes	Yes	Yes	Yes
1932	2 NOBLE CLOSE DARLINGTON	Residential	55	50	41.2	38.1	56.6	55.0	15.4	16.9	Yes	Yes	Yes	Yes
1933	3 NOBLE CLOSE DARLINGTON	Residential	55	50	44.4	41.1	58.1	56.4	13.7	15.3	Yes	Yes	Yes	Yes
1934	46 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.4	38.5	52.9	51.3	11.5	12.8	Yes	No	Yes	Yes
1935	4 NOBLE CLOSE DARLINGTON	Residential	55	50	46.8	43.1	55.4	53.7	8.6	10.6	Yes	No	Yes	Yes
1935	4 NOBLE CLOSE DARLINGTON*	Residential	55	50	39.5	36.5	52.7	51.0	13.2	14.5				
1936	6 NOBLE CLOSE DARLINGTON	Residential	55	50	44.0	40.7	51.9	50.2	7.9	9.5	No	No	Yes	Yes
1936	6 NOBLE CLOSE DARLINGTON*	Residential	55	50	40.5	37.5	51.6	49.9	11.1	12.4				
1937	5 NOBLE CLOSE DARLINGTON	Residential	55	50	46.6	42.8	54.1	52.4	7.5	9.6	Yes	No	Yes	Yes
1937	5 NOBLE CLOSE DARLINGTON*	Residential	55	50	39.9	36.8	52.4	50.7	12.5	13.9				
1938	44 SIMPSON TERRACE DARLINGTON	Residential	55	50	40.1	37.3	51.4	49.8	11.3	12.5	No	No	Yes	Yes
1940	3 SEVER CLOSE DARLINGTON	Residential	55	50	42.3	39.1	51.5	49.8	9.2	10.7	No	No	Yes	Yes
1940	3 SEVER CLOSE DARLINGTON*	Residential	55	50	38.5	35.4	51.1	49.4	12.6	14.0				
1941	2 SEVER CLOSE DARLINGTON	Residential	55	50	45.9	42.3	51.1	49.4	5.2	7.1	No	No	Yes	Yes
1941	2 SEVER CLOSE DARLINGTON*	Residential	55	50	38.2	35.0	49.5	47.8	11.3	12.8				
1942	4 SEVER CLOSE DARLINGTON	Residential	55	50	46.4	42.6	54.1	52.4	7.7	9.8	Yes	No	Yes	Yes
1942	4 SEVER CLOSE DARLINGTON*	Residential	55	50	40.1	37.1	50.8	49.1	10.7	12.0				
1943	40 SIMPSON TERRACE DARLINGTON	Residential	55	50	39.7	36.9	50.8	49.1	11.1	12.2	No	No	Yes	Yes
1944	5 SEVER CLOSE DARLINGTON	Residential	55	50	46.2	42.5	53.5	51.8	7.3	9.3	Yes	No	Yes	Yes
1944	5 SEVER CLOSE DARLINGTON*	Residential	55	50	38.2	35.1	50.7	49.0	12.5	13.9				
1945	7 SEVER CLOSE DARLINGTON	Residential	55	50	45.7	42.1	51.0	49.3	5.3	7.2	No	No	No	No
1946	8 SEVER CLOSE DARLINGTON	Residential	55	50	46.3	42.6	50.7	48.9	4.4	6.3	No	No	No	No
1947	6 SEVER CLOSE DARLINGTON	Residential	55	50	46.0	42.2	51.6	49.9	5.6	7.7	No	No	Yes	Yes
1947	6 SEVER CLOSE DARLINGTON*	Residential	55	50	38.4	35.3	49.2	47.5	10.8	12.2				
1948	38 SIMPSON TERRACE DARLINGTON	Residential	55	50	46.3	43.4	49.3	47.5	3.0	4.1	No	No	No	No
1949	36 SIMPSON TERRACE DARLINGTON	Residential	55	50	46.7	43.8	50.6	48.9	3.9	5.1	No	No	No	No
1950	3 BUTTON CLOSE DARLINGTON	Residential	55	50	42.2	39.0	48.2	46.5	6.0	7.5	No	No	Yes	Yes
1950	3 BUTTON CLOSE DARLINGTON*	Residential	55	50	35.7	32.6	47.3	45.6	11.6	13.0				
1951	2 BUTTON CLOSE DARLINGTON	Residential	55	50	40.1	37.1	50.0	48.4	9.9	11.3	No	No	Yes	Yes
1951	2 BUTTON CLOSE DARLINGTON*	Residential	55	50	35.4	32.3	47.6	46.0	12.2	13.7				
1952	4 BUTTON CLOSE DARLINGTON	Residential	55	50	41.3	38.1	49.4	47.7	8.1	9.6	No	No	Yes	Yes
1952	4 BUTTON CLOSE DARLINGTON*	Residential	55	50	38.1	34.9	49.2	47.5	11.1	12.6				
1953	5 BUTTON CLOSE DARLINGTON	Residential	55	50	42.3	39.0	49.7	48.0	7.4	9.0	No	No	No	No
1954	34 SIMPSON TERRACE DARLINGTON	Residential	55	50	40.8	37.8	47.0	45.2	6.2	7.4	No	No	No	No
1955	9 BUTTON CLOSE DARLINGTON	Residential	55	50	40.4	37.3	49.2	47.5	8.8	10.2	No	No	Yes	Yes
1955	9 BUTTON CLOSE DARLINGTON*	Residential	55	50	35.4	32.3	46.7	45.0	11.3	12.7				
1956	29 SIMPSON TERRACE DARLINGTON	Residential	55	50	40.9	37.7	47.5	45.7	6.6	8.0	No	No	No	No
1957	6 BUTTON CLOSE DARLINGTON	Residential	55	50	46.0	42.4	52.1	50.4	6.1	8.0	No	No	Yes	Yes
1957	6 BUTTON CLOSE DARLINGTON*	Residential	55	50	36.0	32.9	48.8	47.1	12.8	14.2				
1958	8 BUTTON CLOSE DARLINGTON	Residential	55	50	43.0	39.8	49.4	47.6	6.4	7.8	No	No	Yes	Yes
1958	8 BUTTON CLOSE DARLINGTON*	Residential	55	50	35.7	32.6	47.2	45.5	11.5	12.9				
1959	7 BUTTON CLOSE DARLINGTON	Residential	55	50	46.0	42.4	51.4	49.6	5.4	7.2	No	No	Yes	Yes
1959	7 BUTTON CLOSE DARLINGTON*	Residential	55	50	36.1	33.0	47.1	45.4	11.0	12.4				

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - Noise Barrier								Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		No Minimum		Design		Change					
			Day	Night	Day	Night	Day	Night	Day	Night				
1960	32 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.2	38.0	47.6	45.8	6.4	7.8	No	No	No	No
1961	11 GRAINGER CRESCENT DARLINGTON	Residential	55	50	43.7	40.5	50.5	48.7	6.8	8.2	No	No	No	No
1963	27 SIMPSON TERRACE DARLINGTON	Residential	55	50	42.0	38.8	47.6	45.8	5.6	7.0	No	No	No	No
1964	30 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.7	38.6	47.5	45.7	5.8	7.1	No	No	No	No
1965	9 GRAINGER CRESCENT DARLINGTON	Residential	55	50	48.9	46.0	50.2	48.3	1.3	2.3	No	No	No	No
1966	7 ELLIOT CLOSE DARLINGTON	Residential	55	50	41.6	38.4	49.0	47.3	7.4	8.9	No	No	No	No
1968	8 ELLIOT CLOSE DARLINGTON	Residential	55	50	38.8	35.7	50.5	48.8	11.7	13.1	No	No	Yes	Yes
1969	25 SIMPSON TERRACE DARLINGTON	Residential	55	50	47.6	44.6	48.1	46.2	0.5	1.6	No	No	No	No
1970	6 ELLIOT CLOSE DARLINGTON	Residential	55	50	43.4	40.3	48.9	47.1	5.5	6.8	No	No	No	No
1971	28 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.8	38.7	47.1	45.3	5.3	6.6	No	No	No	No
1972	5 ELLIOT CLOSE DARLINGTON	Residential	55	50	42.3	39.1	48.9	47.2	6.6	8.1	No	No	No	No
1973	26 SIMPSON TERRACE DARLINGTON	Residential	55	50	42.4	39.2	47.2	45.4	4.8	6.2	No	No	No	No
1974	9 ELLIOT CLOSE DARLINGTON	Residential	55	50	46.1	42.6	52.5	50.7	6.4	8.1	Yes	No	No	Yes
1975	36 GRAINGER CRESCENT DARLINGTON	Residential	55	50	42.3	39.3	47.8	46.1	5.5	6.8	No	No	No	No
1976	24 SIMPSON TERRACE DARLINGTON	Residential	55	50	42.0	38.9	47.6	45.8	5.6	6.9	No	No	No	No
1977	23 SIMPSON TERRACE DARLINGTON	Residential	55	50	44.0	40.8	48.7	46.9	4.7	6.1	No	No	No	No
1978	10 ELLIOT CLOSE DARLINGTON	Residential	55	50	46.4	42.9	52.1	50.4	5.7	7.5	No	No	No	No
1979	4 ELLIOT CLOSE DARLINGTON	Residential	55	50	44.4	41.1	49.5	47.8	5.1	6.7	No	No	No	No
1980	34 GRAINGER CRESCENT DARLINGTON	Residential	55	50	49.2	46.3	48.5	46.6	-0.7	0.3	No	No	No	No
1981	32 GRAINGER CRESCENT DARLINGTON	Residential	55	50	50.4	47.5	49.7	47.7	-0.7	0.2	No	No	No	No
1982	11 ELLIOT CLOSE DARLINGTON	Residential	55	50	47.2	43.7	52.5	50.8	5.3	7.1	Yes	No	No	Yes
1983	3 ELLIOT CLOSE DARLINGTON	Residential	55	50	43.9	40.5	49.2	47.5	5.3	7.0	No	No	No	No
1984	22 SIMPSON TERRACE DARLINGTON	Residential	55	50	42.3	39.2	47.8	46.0	5.5	6.8	No	No	No	No
1985	30 GRAINGER CRESCENT DARLINGTON	Residential	55	50	50.9	48.0	49.6	47.6	-1.3	-0.4	No	No	No	No
1986	30 GRAINGER CRESCENT DARLINGTON	Residential	55	50	48.1	45.2	48.3	46.4	0.2	1.2	No	No	No	No
1987	21 SIMPSON TERRACE DARLINGTON	Residential	55	50	43.2	40.1	48.9	47.2	5.7	7.1	No	No	No	No
1988	12 ELLIOT CLOSE DARLINGTON	Residential	55	50	47.9	44.4	52.6	50.9	4.7	6.5	Yes	No	Yes	Yes
1988	12 ELLIOT CLOSE DARLINGTON*	Residential	55	50	40.3	37.3	51.4	49.8	11.1	12.5				
1989	2 ELLIOT CLOSE DARLINGTON	Residential	55	50	45.0	41.8	49.6	47.8	4.6	6.0	No	No	No	No
1990	20 SIMPSON TERRACE DARLINGTON	Residential	55	50	41.0	37.9	47.6	45.8	6.6	7.9	No	No	No	No
1991	28 GRAINGER CRESCENT DARLINGTON	Residential	55	50	51.2	48.3	50.2	48.2	-1.0	-0.1	No	No	No	No
1992	4 HALLETT PLACE DARLINGTON	Residential	55	50	42.0	38.9	47.7	45.9	5.7	7.0	No	No	No	No
1993	18 SIMPSON TERRACE DARLINGTON	Residential	55	50	42.3	39.3	47.7	46.0	5.4	6.7	No	No	No	No
1994	3 HALLETT PLACE DARLINGTON	Residential	55	50	44.8	41.7	47.5	45.6	2.7	3.9	No	No	No	No
1995	13 ELLIOT CLOSE DARLINGTON	Residential	55	50	48.3	44.7	52.3	50.5	4.0	5.8	Yes	No	No	Yes
1996	16 SIMPSON TERRACE DARLINGTON	Residential	55	50	44.9	41.7	49.6	47.8	4.7	6.1	No	No	No	No
1997	5 HALLETT PLACE DARLINGTON	Residential	55	50	44.9	41.7	48.1	46.2	3.2	4.5	No	No	No	No
1998	19 SIMPSON TERRACE DARLINGTON	Residential	55	50	44.2	41.1	48.7	46.9	4.5	5.8	No	No	No	No
1999	16 SIMPSON TERRACE DARLINGTON	Residential	55	50	49.7	46.4	51.4	49.5	1.7	3.1	No	No	No	No
2000	2 HALLETT PLACE DARLINGTON	Residential	55	50	49.7	46.8	48.4	46.4	-1.3	-0.4	No	No	No	No
2001	17 SIMPSON TERRACE DARLINGTON	Residential	55	50	43.5	40.5	48.6	46.8	5.1	6.3	No	No	No	No
2002	26 GRAINGER CRESCENT DARLINGTON	Residential	55	50	50.5	47.6	49.4	47.4	-1.1	-0.2	No	No	No	No
2003	14 ELLIOT CLOSE DARLINGTON	Residential	55	50	50.7	47.2	54.2	52.4	3.5	5.2	Yes	No	No	Yes
2004	15 SIMPSON TERRACE DARLINGTON	Residential	55	50	43.0	39.9	48.3	46.5	5.3	6.6	No	No	No	No
2005	7 GRAINGER CRESCENT DARLINGTON	Residential	55	50	54.9	52.0	51.9	49.7	-3.0	-2.3	No	No	No	No
2006	6 HALLETT PLACE DARLINGTON	Residential	55	50	44.0	40.9	48.2	46.4	4.2	5.5	No	No	No	No
2007	15 ELLIOT CLOSE DARLINGTON	Residential	55	50	49.5	45.9	52.5	50.7	3.0	4.8	Yes	No	No	Yes
2008	7 HALLETT PLACE DARLINGTON	Residential	55	50	47.3	44.0	47.8	45.9	0.5	1.9	No	No	No	No
2009	24 GRAINGER CRESCENT DARLINGTON	Residential	55	50	49.1	46.1	48.7	46.8	-0.4	0.7	No	No	No	No
2010	17 HALLETT PLACE DARLINGTON	Residential	55	50	46.7	43.6	47.3	45.3	0.6	1.7	No	No	No	No
2011	13 SIMPSON TERRACE DARLINGTON	Residential	55	50	44.5	41.5	48.8	46.9	4.3	5.4	No	No	No	No
2012	7 MILLARD CLOSE DARLINGTON	Residential	55	50	45.5	42.3	48.8	46.9	3.3	4.6	No	No	No	No
2013	14 SIMPSON TERRACE DARLINGTON	Residential	55	50	49.2	45.7	52.1	50.3	2.9	4.6	No	No	No	No
2014	5 GRAINGER CRESCENT DARLINGTON	Residential	55	50	61.1	58.2	57.4	55.2	-3.7	-3.0	No	No	No	No
2015	11 SIMPSON TERRACE DARLINGTON	Residential	55	50	44.6	41.5	48.7	46.9	4.1	5.4	No	No	No	No
2016	22 GRAINGER CRESCENT DARLINGTON	Residential	55	50	54.1	51.2	50.9	48.7	-3.2	-2.5	No	No	No	No
2017	8 HALLETT PLACE DARLINGTON	Residential	55	50	48.5	45.2	48.3	46.4	-0.2	1.2	No	No	No	No
2018	16 HALLETT PLACE DARLINGTON	Residential	55	50	47.4	44.1	48.0	46.0	0.6	1.9	No	No	No	No
2019	6 MILLARD CLOSE DARLINGTON	Residential	55	50	46.8	43.7	47.9	45.9	1.1	2.2	No	No	No	No
2020	8 MILLARD CLOSE DARLINGTON	Residential	55	50	44.8	41.7	48.7	46.9	3.9	5.2	No	No	No	No
2021	12 SIMPSON TERRACE DARLINGTON	Residential	55	50	45.8	42.7	51.2	49.3	5.4	6.6	No	No	No	No
2022	9 HALLETT PLACE DARLINGTON	Residential	55	50	48.9	45.5	48.8	46.8	-0.1	1.3	No	No	No	No
2023	9 SIMPSON TERRACE DARLINGTON	Residential	55	50	45.7	42.4	49.6	47.8	3.9	5.4	No	No	No	No
2024	15 HALLETT PLACE DARLINGTON	Residential	55	50	48.2	45.0	48.5	46.5	0.3	1.5	No	No	No	No
2025	20 GRAINGER CRESCENT DARLINGTON	Residential	55	50	56.8	53.9	53.2	51.0	-3.6	-2.9	No	No	No	No
2026	9 MILLARD CLOSE DARLINGTON	Residential	55	50	48.8	45.2	49.6	47.7	0.8	2.5	No	No	No	No
2028	5 MILLARD CLOSE DARLINGTON	Residential	55	50	47.7	44.4	48.9	47.0	1.2	2.6	No	No	No	No
2029	10 SIMPSON TERRACE DARLINGTON	Residential	55	50	48.2	44.8	51.9	50.0	3.7	5.2	No	No	No	No
2030	10 MILLARD CLOSE DARLINGTON	Residential	55	50	48.2	44.7	49.4	47.5	1.2	2.8	No	No	No	No
2031	10 HALLETT PLACE DARLINGTON	Residential	55	50	49.1	45.8	49.2	47.3	0.1	1.5	No	No	No	No
2032	7 SIMPSON TERRACE DARLINGTON	Residential	55	50	48.6	45.2	50.3	48.4	1.7	3.2	No	No	No	No
2033	8 SIMPSON TERRACE DARLINGTON	Residential	55	50	49.7	46.0	52.3	50.4	2.6	4.4	No	No	No	No
2034	18 GRAINGER CRESCENT DARLINGTON	Residential	55	50	58.1	55.2	54.5	52.3	-3.6	-2.9	No	No	No	No
2035	14 HALLETT PLACE DARLINGTON	Residential	55	50	49.4	46.2	49.2	47.2	-0.2	1.0	No	No	No	No
2036	4 MILLARD CLOSE DARLINGTON	Residential	55	50	51.2	47.9	49.5	47.4	-1.7	-0.5	No	No	No	No
2037	5 SIMPSON TERRACE DARLINGTON	Residential	55	50	50.4	47.0	50.6	48.7	0.2	1.7	No	No	No	No
2038	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	50.0	46.8	52.4	50.4	2.4	3.6	No	No	No	No
2039	11 MILLARD CLOSE DARLINGTON	Residential	55	50	48.8	45.6	49.6	47.6	0.8	2.0	No	No	No	No
2040	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.5	49.1	54.2	52.3	1.7	3.2	Yes	No	No	Yes
2041	13 HALLETT PLACE DARLINGTON	Residential	55	50	51.8	48.7	49.6	47.5	-2.2	-1.2	No	No	No	No
2042	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.7	49.2	54.3	52.4	1.6	3.2	Yes	No	No	Yes
2043	3 MILLARD CLOSE DARLINGTON	Residential	55	50	53.4	50.1	51.0	48.9	-2.4	-1.2	No	No	No	No
2044	11 HALLETT PLACE DARLINGTON	Residential	55	50	51.3	48.2	49.8	47.7	-1.5	-0.5	No	No	No	No
2045	16 GRAINGER CRESCENT DARLINGTON	Residential	55	50	58.7	55.8	55.1	52.9	-3.6	-2.9	No	No	No	No
2046	12 MILLARD CLOSE DARLINGTON	Residential	55	50	49.8	46.4	49.2	47.2	-0.6	0.8	No	No	No	No
2047	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.7	49.3	54.4	52.5	1.7	3.2	Yes	No	No	Yes
2048	12 HALLETT PLACE DARLINGTON	Residential	55	50	51.9	48.8	49.9	47.8	-2.0	-1.0	No	No	No	No
2049	2 MILLARD CLOSE DARLINGTON	Residential	55	50	54.1	50.9	51.6	49.5	-2.5	-1.4	No	No	No	No
2050	5 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.0	48.6	51.0	49.0	-1.0	0.4	No	No	No	No
2051	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	52.8	49.4	54.3	52.4	1.5	3.0	Yes	No	No	Yes
2052	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	50.2	47.0	51.9	49.9	1.7	2.9	No	No	No	No
2053	13 MILLARD CLOSE DARLINGTON	Residential	55	50	51.6	48.5	49.8	47.7	-1.8	-0.8	No	No	No	No
2054	6 SOLMAN LANE DARLINGTON	Residential	55	50	49.1	45.9	51.2	49.2	2.1	3.3	No	No	No	No

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - Noise Barrier										Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change							
			Day	Night	Day	Night	Day	Night	Day	Night						
2055	14 GRAINGER CRESCENT DARLINGTON	Residential	55	50	60.0	57.1	56.4	54.2	-3.6	-2.9	No	No	No	No		
2056	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	53.1	49.7	54.4	52.5	1.3	2.8	Yes	No	No	Yes		
2058	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	53.0	49.6	54.3	52.4	1.3	2.8	Yes	No	No	Yes		
2059	14 MILLARD CLOSE DARLINGTON	Residential	55	50	52.1	48.8	50.7	48.6	-1.4	-0.2	No	No	No	No		
2060	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	52.9	49.6	51.6	49.6	-1.3	0.0	No	No	No	No		
2061	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	53.2	49.7	54.3	52.4	1.1	2.7	Yes	No	No	Yes		
2062	8 GRAINGER CRESCENT DARLINGTON	Residential	55	50	57.7	54.7	54.4	52.3	-3.3	-2.4	No	No	No	No		
2063	1 MILLARD CLOSE DARLINGTON	Residential	55	50	57.2	54.2	54.2	52.1	-3.0	-2.1	No	No	No	No		
2064	4 SOLMAN LANE DARLINGTON	Residential	55	50	49.8	46.7	51.5	49.6	1.7	2.9	No	No	No	No		
2065	12 GRAINGER CRESCENT DARLINGTON	Residential	55	50	60.7	57.8	57.1	54.9	-3.6	-2.9	No	No	No	No		
2066	6 SIMPSON TERRACE DARLINGTON	Residential	55	50	50.3	47.2	52.2	50.2	1.9	3.0	No	No	No	No		
2067	10 GRAINGER CRESCENT DARLINGTON	Residential	55	50	59.4	56.4	56.0	53.8	-3.4	-2.6	No	No	No	No		
2068	15 MILLARD CLOSE DARLINGTON	Residential	55	50	56.7	53.6	53.6	51.5	-3.1	-2.1	No	No	No	No		
2069	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	56.7	53.6	53.6	51.5	-3.1	-2.1	No	No	No	No		
2070	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	56.9	53.8	53.8	51.6	-3.1	-2.2	No	No	No	No		
2071	106A LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	62.3	59.5	58.8	56.5	-3.5	-3.0	No	No	No	No		
2072	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	53.7	50.4	54.5	52.5	0.8	2.1	Yes	No	No	Yes		
2073	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	57.4	54.3	54.5	52.4	-2.9	-1.9	No	No	No	No		
2074	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	57.3	54.2	54.3	52.1	-3.0	-2.1	No	No	No	No		
2075	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	57.2	54.1	54.1	52.0	-3.1	-2.1	No	No	No	No		
2076	2 GRAINGER CRESCENT DARLINGTON	Residential	55	50	57.2	54.1	54.3	52.1	-2.9	-2.0	No	No	No	No		
2077	4 ALLEN COURT DARLINGTON	Residential	55	50	53.6	50.3	52.4	50.4	-1.2	0.1	No	No	No	No		
2078	3 ALLEN COURT DARLINGTON	Residential	55	50	54.2	50.9	52.4	50.4	-1.8	-0.9	No	No	No	No		
2081	5 ALLEN COURT DARLINGTON	Residential	55	50	52.0	49.0	52.0	49.9	0.0	0.9	No	No	No	No		
2082	106A LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	60.4	57.4	57.0	54.8	-3.4	-2.6	No	No	No	No		
2083	6 ALLEN COURT DARLINGTON	Residential	55	50	55.0	51.8	53.7	51.6	-1.3	-0.2	Yes	No	No	No		
2084	10 ALLEN COURT DARLINGTON	Residential	55	50	57.6	54.5	55.1	52.9	-2.5	-1.6	No	No	No	No		
2085	11 ALLEN COURT DARLINGTON	Residential	55	50	58.7	55.7	55.5	53.7	-2.8	-2.0	No	No	No	No		
2086	7 ALLEN COURT DARLINGTON	Residential	55	50	56.0	52.8	54.2	52.1	-1.8	-0.7	Yes	No	No	No		
2087	2 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	67.8	65.0	64.1	61.8	-3.7	-3.2	No	No	No	No		
2088	9B ALLEN COURT DARLINGTON	Residential	55	50	63.7	60.6	60.0	57.8	-3.7	-2.8	No	No	No	No		
2089	4 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	67.1	64.2	63.4	61.1	-3.7	-3.1	No	No	No	No		
2090	1 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	61.2	58.3	57.6	55.3	-3.6	-3.0	No	No	No	No		
2091	9 ALLEN COURT DARLINGTON	Residential	55	50	64.1	61.0	60.3	58.1	-3.8	-2.9	No	No	No	No		
2092	8 ALLEN COURT DARLINGTON	Residential	55	50	62.8	59.7	59.1	56.9	-3.7	-2.8	No	No	No	No		
2093	6 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	63.9	61.0	60.3	58.0	-3.6	-3.0	No	No	No	No		
2094	3 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	58.7	55.8	55.2	53.0	-3.5	-2.8	No	No	No	No		
2095	110 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	53.3	50.3	50.9	48.8	-2.4	-1.9	No	No	No	No		
2096	108 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	53.2	50.2	50.9	48.8	-2.3	-1.4	No	No	No	No		
2097	5 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	55.8	52.8	52.7	50.5	-3.1	-2.3	No	No	No	No		
2098	8 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.0	59.1	58.5	56.3	-3.5	-2.8	No	No	No	No		
2100	112 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	53.8	50.8	51.3	49.1	-2.5	-1.7	No	No	No	No		
2101	114 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	53.8	50.8	51.2	49.1	-2.6	-1.7	No	No	No	No		
2102	12 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.7	59.8	59.2	57.0	-3.5	-2.8	No	No	No	No		
2103	10 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.9	60.0	59.4	57.1	-3.5	-2.9	No	No	No	No		
2104	14 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	63.1	60.2	59.6	57.3	-3.5	-2.9	No	No	No	No		
2105	7-9 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	53.5	50.5	50.9	48.7	-2.6	-1.8	No	No	No	No		
2106	116 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	53.8	50.8	51.3	49.1	-2.5	-1.7	No	No	No	No		
2107	18 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.7	59.8	59.2	57.0	-3.5	-2.8	No	No	No	No		
2108	16 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.4	59.5	58.9	56.7	-3.5	-2.8	No	No	No	No		
2109	20 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.4	59.5	58.9	56.7	-3.5	-2.8	No	No	No	No		
2110	118 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	53.5	50.5	50.9	48.8	-2.6	-1.7	No	No	No	No		
2111	22 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.4	59.5	58.9	56.7	-3.5	-2.8	No	No	No	No		
2112	120 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	53.2	50.2	50.7	48.5	-2.5	-1.7	No	No	No	No		
2113	26 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	62.1	59.2	58.7	56.4	-3.4	-2.8	No	No	No	No		
2114	24 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	61.9	59.0	58.5	56.2	-3.4	-2.8	No	No	No	No		
2115	13 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.7	49.7	50.4	48.2	-2.3	-1.5	No	No	No	No		
2116	11 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	53.4	50.4	50.8	48.6	-2.6	-1.8	No	No	No	No		
2118	71 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	50.1	47.1	48.6	46.5	-1.5	-0.6	No	No	No	No		
2119	69 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	50.3	47.3	48.7	46.6	-1.6	-0.7	No	No	No	No		
2120	15 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.1	49.1	49.9	47.8	-2.2	-1.3	No	No	No	No		
2121	30 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	61.4	58.6	58.1	55.8	-3.3	-2.8	No	No	No	No		
2122	28 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	60.7	57.9	57.4	55.1	-3.3	-2.8	No	No	No	No		
2124	17 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.1	49.1	50.1	48.0	-2.0	-1.1	No	No	No	No		
2128	73 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	49.8	46.8	48.0	45.9	-1.8	-0.9	No	No	No	No		
2129	19 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.5	49.6	50.6	48.5	-1.9	-1.1	No	No	No	No		
2130*	4862 NEW ENGLAND HIGHWAY MCDUGALLS HILL	Residential	55	50	65.0	62.1	64.5	62.4	-0.5	0.3	Yes	Yes	No	Yes		
2131	34 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	57.3	54.4	54.6	52.4	-2.7	-2.0	No	No	No	No		
2132	21 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.6	49.6	50.7	48.6	-1.9	-1.0	No	No	No	No		
2133	75 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	49.3	46.3	47.9	45.7	-1.4	-0.6	No	No	No	No		
2135	36 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	58.6	55.7	55.8	53.6	-2.8	-2.1	No	No	No	No		
2136	40 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	59.9	57.0	57.1	54.9	-2.8	-2.1	No	No	No	No		
2137	38 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	58.9	56.0	56.1	53.9	-2.8	-2.1	No	No	No	No		
2138	23 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.9	49.9	50.9	48.8	-2.0	-1.1	No	No	No	No		
2141	44 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	59.1	56.2	56.6	54.4	-2.5	-1.8	No	No	No	No		
2142	25 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	53.2	50.2	51.2	49.1	-2.0	-1.1	No	No	No	No		
2143	42 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	57.6	54.8	55.4	53.3	-2.2	-1.5	Yes	No	No	No		
2144	77 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.8	45.8	47.6	45.4	-1.2	-0.4	No	No	No	No		
2145	46 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	58.7	55.9	56.6	54.4	-2.1	-1.5	Yes	No	No	No		
2146	27 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	54.2	51.2	52.1	50.0	-2.1	-1.2	No	No	No	No		
2147	79 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.9	47.7	45.5	-1.0	0.0	No	No	No	No		
2148	2 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.2	45.9	48.4	46.3	-0.8	0.4	No	No	No	No		
2149	29 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	54.8	51.9	52.8	50.6	-2.0	-1.3	Yes	No	No	No		
2150	2 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	56.0	53.1	55.2	53.1	-0.8	0.0	Yes	No	No	No		
2151	2 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	49.9	46.9	48.3	46.1	-1.6	-0.8	No	No	No	No		
2152	4 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	52.7	49.4	54.1	52.1	1.4	2.7	Yes	No	No	Yes		
2153	81 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.4	45.3	47.4	45.4	-1.0	0.1	No	No	No	No		
2154	4 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.3	46.0	48.5	46.4	-0.8	0.4	No	No	No	No		
2155	31 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	51.1	48.1	50.5	48.3	-0.6	0.2	No	No	No	No		
2156	33 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	51.0	48.0	50.8	48.7	-0.2	0.1	No	No	No	No		
2157	5 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.0	46.0	47.9	45.7	-1.1	-0.3	No	No	No	No		
2158	37 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	51.2	47.9	52.8	50.8	1.6	2.9	Yes	No	No	Yes		
2159	35 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.0	49.1	51.6	49.5	-0.4	0.4	No	No	No	No		

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - Noise Barrier								Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		Do Minimum		Design		Change					
			Day	Night	Day	Night	Day	Night	Day	Night				
2160	29 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	52.9	49.7	51.7	49.6	-1.2	-0.1	No	No	No	No
2161	1 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	52.1	48.9	50.9	48.8	-1.2	-0.1	No	No	No	No
2162	6 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	51.2	47.6	52.4	50.3	1.2	2.7	No	No	No	No
2163	1 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	49.6	46.6	48.1	46.0	-1.5	-0.6	No	No	No	No
2164	4 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.5	48.1	46.0	-0.6	0.5	No	No	No	No
2165	37 WHITE AVENUE SINGLETON HEIGHTS	Residential	55	50	51.0	47.6	52.8	50.8	1.8	3.2	Yes	No	No	Yes
2166	6 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.9	45.6	48.1	46.0	-0.8	0.4	No	No	No	No
2167	8 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.3	47.1	52.5	50.4	2.2	3.3	No	No	No	No
2168	2 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.9	48.5	51.2	49.1	-0.7	0.6	No	No	No	No
2169	3 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.8	47.7	49.9	47.8	-0.9	0.1	No	No	No	No
2170	1 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.6	47.1	51.6	49.5	1.0	2.4	No	No	No	No
2171	7 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.1	44.9	47.6	45.5	-0.5	0.6	No	No	No	No
2172	9 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	49.1	45.8	47.8	45.7	-1.3	-0.1	No	No	No	No
2173	6 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.4	48.0	45.9	-0.7	0.5	No	No	No	No
2174	10 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.9	47.4	52.7	50.6	1.8	3.2	Yes	No	No	Yes
2175	38 MAISON DIEU ROAD MCDUGALLS HILL	Residential	55	50	59.6	56.0	59.0	55.3	-0.6	-0.7	Yes	Yes	No	Yes
2176	5 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.7	47.4	49.8	47.7	-0.9	0.3	No	No	No	No
2177	3 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.9	47.3	52.9	50.8	2.0	3.5	Yes	No	No	Yes
2178	9 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.2	46.0	48.4	46.4	-0.8	0.4	No	No	No	No
2179	8 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.6	48.4	46.3	-0.3	0.7	No	No	No	No
2180	16 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	52.3	49.1	51.7	49.6	-0.6	0.5	No	No	No	No
2181	3 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.0	44.8	47.3	45.2	-0.7	0.4	No	No	No	No
2182	7 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	51.5	48.4	51.2	49.1	-0.3	0.7	No	No	No	No
2183	4 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	52.3	49.0	51.5	49.4	-0.8	0.4	No	No	No	No
2184	58 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	56.3	52.6	55.2	52.2	-1.1	-0.4	No	No	No	No
2185	58 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	57.8	53.9	58.3	52.4	0.5	-1.5	No	No	No	No
2186	12 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	51.6	48.5	53.2	51.1	1.6	2.6	Yes	No	No	Yes
2187	38 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	58.3	54.7	57.3	54.5	-1.0	-0.2	No	No	No	No
2188	5 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	51.8	48.5	51.5	49.5	-0.3	1.0	No	No	No	No
2189	7 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.6	45.3	47.8	45.8	-0.8	0.5	No	No	No	No
2190	58 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	55.6	51.8	54.9	51.7	-0.7	-0.1	No	No	No	No
2191	38 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	58.1	54.5	57.0	54.4	-1.1	-0.1	No	No	No	No
2192	14 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	51.2	47.6	53.1	51.0	1.9	3.4	Yes	No	No	Yes
2193	58 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	52.7	48.9	51.8	48.7	-0.9	-0.2	No	No	No	No
2194	6 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	52.0	48.6	51.3	49.3	-0.7	0.1	No	No	No	No
2195	14 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	51.6	48.6	50.5	48.4	-1.1	-0.2	No	No	No	No
2196	5 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.8	47.2	52.7	50.6	1.9	3.4	Yes	No	No	Yes
2197	8 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	49.2	45.9	48.4	46.4	-0.8	0.5	No	No	No	No
2198	11 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.3	46.0	48.7	46.7	-0.6	0.7	No	No	No	No
2199	58 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	55.5	51.7	53.9	51.2	-1.6	-0.5	No	No	No	No
2200	58 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	51.8	48.1	50.9	48.1	-0.9	0.0	No	No	No	No
2201	58 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	56.5	52.9	54.5	52.3	-2.0	-0.6	No	No	No	No
2202	7 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.4	47.0	49.5	47.5	-0.9	0.5	No	No	No	No
2203	8 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.4	48.2	46.2	-0.5	0.8	No	No	No	No
2204	58 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	57.2	53.6	55.6	53.3	-1.6	-0.3	No	No	No	No
2205	5 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.8	44.5	47.3	45.2	-0.9	0.7	No	No	No	No
2206	3 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	50.8	47.3	51.1	49.1	0.3	1.8	No	No	No	No
2207	12 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	50.9	47.4	50.9	48.9	0.0	1.5	No	No	No	No
2208	9 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.5	47.2	49.7	47.7	-0.8	0.5	No	No	No	No
2209	58 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	57.1	53.5	55.6	53.3	-1.5	-0.2	No	No	No	No
2210	16 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	51.0	47.5	53.2	51.1	2.2	3.6	Yes	No	No	Yes
2211	7 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	51.1	47.6	52.6	50.5	1.5	2.9	Yes	No	No	Yes
2212	8 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.7	48.3	51.2	49.2	-0.5	0.9	No	No	No	No
2213	10 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	49.4	46.0	48.5	46.4	-0.9	0.4	No	No	No	No
2214	10 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	49.2	45.9	48.5	46.4	-0.7	0.5	No	No	No	No
2215	13 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.6	46.2	48.8	46.7	-0.8	0.5	No	No	No	No
2216	5 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.9	44.6	47.4	45.4	-0.5	0.8	No	No	No	No
2217	18 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	51.0	47.3	53.2	51.1	2.2	3.8	Yes	No	No	Yes
2218	1 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	50.4	46.9	50.9	48.9	0.5	2.0	No	No	No	No
2219	10 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	51.1	47.6	51.0	49.0	-0.1	1.4	No	No	No	No
2220	7 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	44.3	47.2	45.1	-0.4	0.8	No	No	No	No
2221	58 MAISON DIEU ROAD MCDUGALLS HILL	Caravan Park	0	0	56.9	53.2	55.3	53.1	-1.6	-0.1	No	No	No	No
2222	11 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.4	47.1	49.7	47.6	-0.7	0.5	No	No	No	No
2223	15 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.3	45.9	48.6	46.5	-0.7	0.6	No	No	No	No
2224	14 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.0	44.7	47.7	45.6	-0.3	0.9	No	No	No	No
2225	10 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	52.1	48.7	51.5	49.5	-0.6	0.8	No	No	No	No
2226	12 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.9	45.6	48.3	46.2	-0.6	0.6	No	No	No	No
2227	9 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.8	47.3	52.3	50.2	1.5	2.9	No	No	No	No
2228	3 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.6	44.4	47.1	45.1	-0.5	0.7	No	No	No	No
2229*	4864 NEW ENGLAND HIGHWAY MCDUGALLS HILL	Residential	55	50	60.0	57.0	61.6	59.4	1.6	2.4	Yes	Yes	No	Yes
2230	20 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.7	47.0	52.5	50.4	1.8	3.4	No	No	No	No
2231	13 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.2	46.8	49.6	47.6	-0.6	0.8	No	No	No	No
2232	8 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	50.9	47.4	50.8	48.7	-0.1	1.3	No	No	No	No
2233	9 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.3	44.1	47.1	45.0	-0.2	0.9	No	No	No	No
2234	8 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	49.2	45.9	48.7	46.6	-0.5	0.7	No	No	No	No
2236	12 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	52.0	48.6	51.5	49.5	-0.5	0.9	No	No	No	No
2237	14 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.4	45.1	48.0	45.9	-0.4	0.8	No	No	No	No
2238	19 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.8	45.3	48.4	46.3	-0.4	1.0	No	No	No	No
2239	6 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.8	45.5	48.3	46.3	-0.5	0.8	No	No	No	No
2240	22 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.5	46.9	52.9	50.8	2.4	3.9	Yes	No	No	Yes
2241	17 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	44.6	47.1	45.0	-0.5	0.4	No	No	No	No
2242	15 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.3	46.9	49.6	47.5	-0.7	0.6	No	No	No	No
2243	6 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	50.2	46.8	50.4	48.3	0.2	1.5	No	No	No	No
2244	1 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.3	43.9	46.9	44.8	-0.4	0.9	No	No	No	No
2245	11 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	43.7	46.9	44.8	-0.1	1.1	No	No	No	No
2246	14 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.7	48.3	51.3	49.2	-0.4	0.9	No	No	No	No
2247	16 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.6	45.1	48.1	46.1	-0.5	1.0	No	No	No	No
2248	4 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	50.1	46.8	50.4	48.3	0.3	1.5	No	No	No	No
2249	17 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	52.5	49.1	51.6	49.5	-0.9	0.4	No	No	No	No
2250	4 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.4	45.1	48.2	46.2	-0.2	1.1	No	No	No	No
2251	24 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.3	46.5	52.4	50.3	2.1	3.8	No	No	No	No
2252	16 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.6	48.2	51.2	49.2	-0.4	1.0	No	No	No	No
2253	2 HUME CLOSE SINGLETON HEIGHTS	Residential	55	50	49.9	46.6	50.4	48.3	0.5	1.7	No	No	No	No

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - Noise Barrier								Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		No Minimum		Design		Change					
			Day	Night	Day	Night	Day	Night	Day	Night				
2254	11 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.6	46.8	52.0	50.0	1.4	3.2	No	No	No	No
2255	18 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.2	48.0	45.9	-0.7	0.7	No	No	No	No
2256	1 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	45.4	42.4	44.9	42.8	-0.5	0.4	No	No	No	No
2257	11 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	47.4	44.1	46.7	44.6	-0.7	0.5	No	No	No	No
2258	13 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.5	46.9	44.8	0.0	1.3	No	No	No	No
2259	3 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	42.7	45.7	43.6	-0.1	0.9	No	No	No	No
2260	5 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	46.2	43.1	45.5	43.3	-0.7	0.2	No	No	No	No
2261	26 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.1	46.4	52.3	50.2	2.2	3.8	No	No	No	No
2262	19 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.9	46.4	49.5	47.5	-0.4	1.1	No	No	No	No
2263	20 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	47.9	44.3	47.7	45.7	-0.2	1.4	No	No	No	No
2264	18 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	52.8	49.3	52.3	50.3	-0.5	1.0	No	No	No	No
2265	2 BLIGH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.3	44.8	47.8	45.8	-0.5	1.0	No	No	No	No
2266	13 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.0	46.2	51.4	49.3	1.4	3.1	No	No	No	No
2267	20 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.8	45.4	48.0	45.9	-0.8	0.5	No	No	No	No
2268	18 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.3	46.9	44.8	-0.2	1.5	No	No	No	No
2269	21 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.0	46.4	49.7	47.7	-0.3	1.3	No	No	No	No
2270	20 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.8	47.5	51.0	48.9	0.2	1.4	No	No	No	No
2271	28 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.6	47.0	51.7	49.6	1.1	2.6	No	No	No	No
2272	22 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.2	47.7	51.3	49.3	0.1	1.6	No	No	No	No
2273	23 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.2	46.6	49.8	47.7	-0.4	1.1	No	No	No	No
2274	22 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.3	45.0	47.9	45.8	-0.4	0.8	No	No	No	No
2275	15 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	45.9	50.7	48.6	1.0	2.7	No	No	No	No
2276	22 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.2	46.8	50.6	48.6	0.4	1.8	No	No	No	No
2277	22 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.8	45.2	48.3	46.2	-0.5	1.0	No	No	No	No
2278	21 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.1	45.6	48.6	46.6	-0.5	1.0	No	No	No	No
2279	1 PARK VIEW CRESCENT MCDUGALLS HILL	Residential	55	50	66.6	62.9	62.7	60.9	-3.9	-2.0	No	No	No	No
2280	30 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	50.2	46.4	52.0	49.9	1.8	3.5	No	No	No	No
2281	24 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.8	48.0	45.9	-0.2	1.1	No	No	No	No
2282	23 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.9	46.9	44.8	0.0	0.9	No	No	No	No
2283	25 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.9	46.4	49.7	47.6	-0.2	1.2	No	No	No	No
2284	15 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	44.1	47.1	45.0	-0.4	0.9	No	No	No	No
2285	2 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	45.9	42.8	45.8	43.7	-0.1	0.9	No	No	No	No
2286	24 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.8	45.3	48.6	46.5	-0.2	1.2	No	No	No	No
2287	24 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.5	47.0	50.2	48.1	-0.3	1.1	No	No	No	No
2288	4 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	46.2	43.2	45.9	43.8	-0.3	0.6	No	No	No	No
2289	6 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	43.6	46.4	44.3	-0.3	0.7	No	No	No	No
2290	8 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	46.8	43.7	46.4	44.3	-0.4	0.6	No	No	No	No
2291	10 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	43.9	46.5	44.4	-0.5	0.5	No	No	No	No
2292	12 WOODWARD AVENUE SINGLETON HEIGHTS	Residential	55	50	46.8	43.7	46.3	44.2	-0.5	0.5	No	No	No	No
2293	25 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.2	48.3	46.3	-0.4	1.1	No	No	No	No
2294	26 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	45.0	48.2	46.2	-0.3	1.2	No	No	No	No
2295	17 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	44.3	47.4	45.3	-0.2	1.0	No	No	No	No
2296	33 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.9	46.3	44.2	-0.6	0.3	No	No	No	No
2297	26 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.9	47.3	51.1	49.1	0.2	1.8	No	No	No	No
2298	27 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	46.2	49.6	47.6	-0.1	1.4	No	No	No	No
2299	32 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	45.8	51.6	49.5	1.9	3.7	No	No	No	No
2300	26 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.0	45.5	48.8	46.8	-0.2	1.3	No	No	No	No
2301	28 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.6	47.6	45.5	-0.6	0.9	No	No	No	No
2302	31 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.3	46.0	43.9	-0.9	0.6	No	No	No	No
2303	3 PARK VIEW CRESCENT MCDUGALLS HILL	Residential	55	50	59.0	55.1	56.0	54.1	-3.0	-1.0	No	No	No	No
2304	28 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.1	47.5	51.4	49.4	0.3	1.9	No	No	No	No
2305	27 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.6	45.1	48.3	46.2	-0.3	1.1	No	No	No	No
2306	29 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.9	46.2	50.2	48.1	0.3	1.9	No	No	No	No
2307	5 PARK VIEW CRESCENT MCDUGALLS HILL	Residential	55	50	56.4	52.5	54.5	52.4	-1.9	-0.1	Yes	No	No	No
2309	19 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	44.1	47.3	45.2	-0.3	1.1	No	No	No	No
2310	28 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.0	45.4	48.9	46.9	-0.1	1.5	No	No	No	No
2311	30 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	48.0	44.5	47.6	45.5	-0.4	1.0	No	No	No	No
2312	29 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	43.6	46.2	44.1	-0.8	0.5	No	No	No	No
2313	30 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.6	47.1	51.2	49.1	0.6	2.0	No	No	No	No
2314	31 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.1	46.4	50.2	48.1	0.1	1.7	No	No	No	No
2315	21 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	44.1	47.4	45.3	-0.2	1.2	No	No	No	No
2316	25 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	43.2	46.0	43.9	-0.5	0.7	No	No	No	No
2317	32 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	51.2	47.6	51.8	49.7	0.6	2.1	No	No	No	No
2319	32 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	46.8	43.6	46.8	44.7	0.0	1.1	No	No	No	No
2320	29 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.6	45.0	48.4	46.3	-0.2	1.3	No	No	No	No
2321	30 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.0	45.4	49.0	46.9	0.0	1.5	No	No	No	No
2322	21 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.0	42.8	45.7	43.6	-0.3	0.8	No	No	No	No
2323	27 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.4	46.1	44.0	-0.8	0.6	No	No	No	No
2324	19 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.2	43.7	46.9	44.8	-0.3	1.1	No	No	No	No
2325	23 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	45.6	42.4	45.2	43.1	-0.4	0.7	No	No	No	No
2326	31 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	44.9	48.3	46.2	-0.2	1.3	No	No	No	No
2327	33 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.2	46.5	50.2	48.1	0.0	1.6	No	No	No	No
2328	34 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	51.4	47.8	52.5	50.5	1.1	2.7	Yes	No	No	Yes
2329	23 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	47.7	44.2	47.3	45.2	-0.4	1.0	No	No	No	No
2331	32 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	49.1	45.4	49.1	47.1	0.0	1.7	No	No	No	No
2332	4876 NEW ENGLAND HIGHWAY MCDUGALLS HILL	Residential	55	50	51.6	47.8	65.8	62.5	14.2	14.7	Yes	No	No	Yes
2333	35 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	50.2	46.5	50.3	48.3	0.1	1.8	No	No	No	No
2334	17 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.8	46.6	44.5	-0.5	0.7	No	No	No	No
2335	33 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	47.7	44.2	47.9	45.8	0.2	1.6	No	No	No	No
2336	34 JAMES COOK AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	43.0	46.1	44.0	-0.4	1.0	No	No	No	No
2337	52 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.3	43.8	46.6	44.6	-0.7	0.8	No	No	No	No
2338	36 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.5	45.5	50.9	48.8	1.4	3.3	No	No	No	No
2339	37 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.9	46.4	49.9	47.8	0.0	1.4	No	No	No	No
2340	34 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	44.8	48.5	46.4	0.0	1.6	No	No	No	No
2341	15 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	45.7	42.5	46.1	44.0	0.4	1.5	No	No	No	No
2342	50 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	43.5	46.2	44.1	-0.8	0.6	No	No	No	No
2344	39 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	46.1	50.1	48.0	0.4	1.9	No	No	No	No
2345	13 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.2	43.8	47.3	45.2	0.1	1.4	No	No	No	No
2346	41 NORTHCOTT AVENUE SINGLETON HEIGHTS	Residential	55	50	49.9	46.2	50.8	48.7	0.9	2.5	No	No	No	No
2347	35 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.3	47.3	45.3	0.4	2.0	No	No	No	No
2348	48 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.3	46.1	44.0	-0.8	0.7	No	No	No	No
2349	38 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.7	45.7	50.9	48.8	1.2	3.1	No	No	No	No
2351	46 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	45.9	42.6	45.4	43.3	-0.5	0.7	No	No	No	No

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - Noise Barrier								Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		No Minimum		Design		Change					
			Day	Night	Day	Night	Day	Night	Day	Night				
2352	36 WENTWORTH AVENUE SINGLETON HEIGHTS	Residential	55	50	46.6	43.3	47.1	45.0	0.5	1.7	No	No	No	No
2353	17 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	44.8	49.5	47.4	0.8	2.6	No	No	No	No
2354	9 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.8	45.2	48.8	46.7	0.0	1.5	No	No	No	No
2355	34 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.4	43.9	46.9	44.9	-0.5	1.0	No	No	No	No
2356	36 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.2	43.7	46.7	44.6	-0.5	0.9	No	No	No	No
2357	38 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	43.3	46.2	44.1	-0.5	0.8	No	No	No	No
2358	40 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	44.4	40.7	46.0	43.9	1.6	3.2	No	No	No	No
2359	11 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.1	44.6	48.3	46.3	0.2	1.7	No	No	No	No
2360	40 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.3	45.3	50.6	48.5	1.3	3.2	No	No	No	No
2361	32 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	43.6	46.4	44.3	-0.6	0.7	No	No	No	No
2362	42 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	44.8	41.1	46.5	44.5	1.7	3.4	No	No	No	No
2363	2 PARK VIEW CRESCENT MCDOUGALLS HILL	Residential	55	50	67.5	63.0	63.3	61.5	-4.2	-1.5	No	No	No	No
2364	30 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.3	43.8	46.9	44.8	-0.4	1.0	No	No	No	No
2365	44 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	44.6	40.8	45.4	43.3	0.8	2.5	No	No	No	No
2366	7 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	49.2	45.5	49.2	47.2	0.0	1.7	No	No	No	No
2367	19 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	44.8	49.5	47.4	0.8	2.6	No	No	No	No
2368	5 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	49.2	45.5	49.1	47.1	-0.1	1.6	No	No	No	No
2369	28 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	44.0	47.2	45.1	-0.4	1.1	No	No	No	No
2371	3 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.1	49.0	46.9	0.3	1.8	No	No	No	No
2372	26 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.7	44.1	47.3	45.2	-0.4	1.1	No	No	No	No
2373	42 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	49.1	45.1	50.4	48.3	1.3	3.2	No	No	No	No
2374	22 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	44.0	47.3	45.2	-0.2	1.2	No	No	No	No
2375	24 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.6	46.8	44.7	-0.3	1.1	No	No	No	No
2376	1 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.9	45.0	49.4	47.3	0.5	2.3	No	No	No	No
2377	44 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.4	44.8	49.9	47.9	1.5	3.1	No	No	No	No
2378	20 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	44.0	47.2	45.2	-0.4	1.2	No	No	No	No
2380	18 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.8	44.2	47.4	45.4	-0.4	1.2	No	No	No	No
2381	16 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.1	44.5	47.9	45.8	-0.2	1.3	No	No	No	No
2383	12 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.0	44.4	47.9	45.8	-0.1	1.4	No	No	No	No
2384	14 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.4	44.0	47.4	45.4	0.0	1.4	No	No	No	No
2385	46 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	44.7	50.0	47.9	1.3	3.2	No	No	No	No
2386	10 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.8	44.2	47.6	45.5	-0.2	1.3	No	No	No	No
2387	8 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.6	48.1	46.0	-0.1	1.4	No	No	No	No
2388	48 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	44.4	50.0	47.9	1.5	3.5	No	No	No	No
2389	6 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.3	44.7	48.3	46.3	0.0	1.6	No	No	No	No
2390	4 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	44.7	48.8	46.7	0.3	2.0	No	No	No	No
2391	2 LAWSON AVENUE SINGLETON HEIGHTS	Residential	55	50	48.9	45.2	49.1	47.1	0.2	1.9	No	No	No	No
2392	50 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.2	49.6	47.5	1.4	3.3	No	No	No	No
2393	21 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.9	45.2	49.3	47.2	0.4	2.0	No	No	No	No
2394	12 MCDOUGALL CLOSE MCDOUGALLS HILL	Residential	55	50	57.2	52.9	54.2	52.2	-3.0	-0.7	No	No	No	No
2395	4 PARK VIEW CRESCENT MCDOUGALLS HILL	Residential	55	50	63.3	58.7	59.4	57.6	-3.9	-1.1	No	No	No	No
2396	52 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	48.0	44.0	49.3	47.2	1.3	3.2	No	No	No	No
2399	54 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	43.5	48.9	46.8	1.3	3.3	No	No	No	No
2401	56 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	43.5	48.8	46.7	1.3	3.2	No	No	No	No
2403	58 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	47.3	43.3	48.7	46.6	1.4	3.3	No	No	No	No
2405	11 MCDOUGALL CLOSE MCDOUGALLS HILL	Residential	55	50	55.0	50.7	52.8	50.8	-2.2	0.1	No	No	No	No
2407	60 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	43.0	48.3	46.2	1.3	3.2	No	No	No	No
2408	99 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.8	46.3	44.2	0.0	1.4	No	No	No	No
2409	62 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	42.3	47.6	45.5	1.2	3.2	No	No	No	No
2412	10 MCDOUGALL CLOSE MCDOUGALLS HILL	Residential	55	50	63.2	58.6	59.4	57.6	-3.8	-1.0	No	No	No	No
2413	64 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.3	47.4	45.3	1.1	3.0	No	No	No	No
2414	2 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.9	42.0	47.1	45.0	1.2	3.0	No	No	No	No
2415	92 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	42.2	45.7	43.7	-0.1	1.5	No	No	No	No
2416	86 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.0	41.5	45.2	43.1	0.2	1.6	No	No	No	No
2417	23 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	41.5	45.4	43.4	0.1	1.9	No	No	No	No
2418	1 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.8	43.2	47.6	45.5	0.8	2.3	No	No	No	No
2419	84 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.7	42.2	45.7	43.7	0.0	1.5	No	No	No	No
2420	88 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	44.6	41.1	44.4	42.3	-0.2	1.2	No	No	No	No
2421	90 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	44.7	41.2	44.6	42.5	-0.1	1.3	No	No	No	No
2422	4 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.0	42.1	47.2	45.1	1.2	3.0	No	No	No	No
2423	82 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	42.1	46.2	44.1	0.4	2.0	No	No	No	No
2425	80 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.9	42.3	46.1	44.0	0.2	1.7	No	No	No	No
2426	78 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.9	42.3	46.2	44.2	0.3	1.9	No	No	No	No
2427	66 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	46.0	42.5	46.9	44.8	0.9	2.3	No	No	No	No
2429	76 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.7	42.0	46.3	44.3	0.6	2.3	No	No	No	No
2430	23 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.9	41.3	44.9	42.8	0.0	1.5	No	No	No	No
2431	74 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	46.0	42.4	46.5	44.4	0.5	2.0	No	No	No	No
2432	70 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	42.2	46.3	44.2	0.5	2.0	No	No	No	No
2433	68 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.7	42.2	46.5	44.4	0.8	2.2	No	No	No	No
2434	28 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.4	41.8	45.5	43.5	0.1	1.7	No	No	No	No
2435	84 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	44.3	40.6	44.1	42.0	-0.2	1.4	No	No	No	No
2436	6 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.5	41.7	47.0	44.9	1.5	3.2	No	No	No	No
2437	3 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.1	42.4	47.3	45.2	1.2	2.8	No	No	No	No
2438	72 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.7	42.1	46.2	44.1	0.5	2.0	No	No	No	No
2439	4 FOREST AVENUE SINGLETON HEIGHTS	Residential	55	50	44.6	40.9	44.2	42.1	-0.4	1.2	No	No	No	No
2440	82 BLAXLAND AVENUE SINGLETON HEIGHTS	Residential	55	50	45.4	41.7	45.7	43.6	0.3	1.9	No	No	No	No
2443	9 MCDOUGALL CLOSE MCDOUGALLS HILL	Residential	55	50	57.3	52.8	54.7	52.7	-2.6	-0.1	No	No	No	No
2444	8 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.3	41.5	46.8	44.7	1.5	3.2	No	No	No	No
2445	6 FOREST AVENUE SINGLETON HEIGHTS	Residential	55	50	44.1	40.6	44.3	42.2	0.2	1.6	No	No	No	No
2447	26 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.6	42.0	45.6	43.5	0.0	1.5	No	No	No	No
2448	15 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.1	41.4	45.1	43.0	0.0	1.6	No	No	No	No
2449	13 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.5	41.9	45.5	43.4	0.0	1.5	No	No	No	No
2450	5 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.0	42.3	47.1	45.1	1.1	2.8	No	No	No	No
2451	8 FOREST AVENUE SINGLETON HEIGHTS	Residential	55	50	44.3	40.5	44.1	42.1	-0.2	1.6	No	No	No	No
2452	24 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.6	42.0	45.6	43.5	0.0	1.5	No	No	No	No
2453	11 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	41.7	45.8	43.7	0.5	2.0	No	No	No	No
2454	9 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.0	41.4	45.8	43.7	0.8	2.3	No	No	No	No
2455	5 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.0	41.2	45.6	43.5	0.6	2.3	No	No	No	No
2456	7 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.9	41.2	45.5	43.4	0.6	2.2	No	No	No	No
2457	24 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.3	41.8	45.3	43.2	0.0	1.4	No	No	No	No
2458	10 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.0	41.2	46.5	44.4	1.5	3.2	No	No	No	No
2459	7 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.8	42.1	47.0	44.9	1.2	2.8	No	No	No	No
2460	20 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	44.7	41.0	45.0	42.9	0.3	1.9	No	No	No	No

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - Noise Barrier								Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		No Minimum		Design		Change					
			Day	Night	Day	Night	Day	Night	Day	Night				
2461	1 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.6	42.0	46.8	44.7	1.2	2.7	No	No	No	No
2462	3 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.2	41.5	45.9	43.7	0.7	2.2	No	No	No	No
2463	18 MITCHELL AVENUE SINGLETON HEIGHTS	Residential	55	50	45.0	41.5	45.2	43.1	0.2	1.6	No	No	No	No
2464	14 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.6	41.1	44.9	42.9	0.3	1.8	No	No	No	No
2465	2 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	45.3	41.8	45.4	43.4	0.1	1.6	No	No	No	No
2466	11 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.7	41.1	45.2	43.1	0.5	2.0	No	No	No	No
2467	1 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.5	41.7	45.9	43.8	0.4	2.1	No	No	No	No
2468	3 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	45.8	42.2	45.8	43.7	0.0	1.5	No	No	No	No
2469	1 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	44.6	41.0	44.6	42.5	0.0	1.5	No	No	No	No
2470	10 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.5	40.9	45.0	42.9	0.5	2.0	No	No	No	No
2471	2 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	43.5	39.7	44.0	41.9	0.5	2.2	No	No	No	No
2472	16 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	45.3	41.6	45.1	43.0	-0.2	1.4	No	No	No	No
2473	26 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.6	41.9	46.0	43.9	0.4	2.0	No	No	No	No
2474	2 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.6	41.9	46.0	43.9	0.4	2.0	No	No	No	No
2475	14 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.6	41.9	46.6	44.5	1.0	2.6	No	No	No	No
2476	3 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	42.1	46.4	44.4	0.6	2.3	No	No	No	No
2477	5 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.9	42.2	46.1	44.0	0.2	1.8	No	No	No	No
2478	2 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.8	40.9	46.0	43.9	1.2	3.0	No	No	No	No
2479	9 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.9	42.3	47.0	44.9	1.1	2.6	No	No	No	No
2480	3 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.8	41.2	45.4	43.4	0.6	2.2	No	No	No	No
2481	9 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.1	41.4	45.4	43.3	0.3	1.9	No	No	No	No
2482	4 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	45.7	42.1	45.8	43.7	0.1	1.6	No	No	No	No
2483	4 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	44.9	41.1	45.5	43.4	0.6	2.3	No	No	No	No
2484	24 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.0	41.3	45.8	43.7	0.8	2.4	No	No	No	No
2485	16 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.7	40.9	46.4	44.3	1.7	3.4	No	No	No	No
2486	4 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.5	41.7	45.6	43.5	0.1	1.8	No	No	No	No
2487	4 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.2	41.4	46.2	44.1	1.0	2.7	No	No	No	No
2488	5 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	44.5	41.0	44.5	42.4	0.0	1.4	No	No	No	No
2489	7 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	44.9	41.5	45.1	43.1	0.2	1.6	No	No	No	No
2490	8 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.8	42.3	46.2	44.1	0.4	1.8	No	No	No	No
2491	11 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.8	42.1	47.1	45.0	1.3	2.9	No	No	No	No
2492	7 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.6	46.9	44.9	0.6	2.3	No	No	No	No
2493	18 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.3	40.6	46.1	44.0	1.8	3.4	No	No	No	No
2494	6 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	44.9	41.1	45.6	43.5	0.7	2.4	No	No	No	No
2495	17 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	46.3	42.8	46.2	44.2	-0.1	1.4	No	No	No	No
2496	6 GILES CLOSE SINGLETON HEIGHTS	Residential	55	50	44.8	41.4	45.0	42.9	0.2	1.5	No	No	No	No
2497	7 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	46.9	43.3	47.0	45.0	0.1	1.7	No	No	No	No
2498	5 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	47.2	43.5	47.2	45.1	0.0	1.6	No	No	No	No
2499	22 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.7	42.0	46.4	44.4	0.7	2.4	No	No	No	No
2500	6 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.9	41.0	45.7	43.6	0.8	2.6	No	No	No	No
2501	9 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	42.8	47.0	44.9	0.5	2.1	No	No	No	No
2502	20 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	43.1	39.2	42.9	40.8	-0.2	1.6	No	No	No	No
2503	8 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.1	41.5	45.8	43.7	0.7	2.2	No	No	No	No
2504	13 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.5	41.8	47.0	44.9	1.5	3.1	No	No	No	No
2505	6 FLINDERS CLOSE SINGLETON HEIGHTS	Residential	55	50	46.1	42.6	46.3	44.3	0.2	1.7	No	No	No	No
2506	20 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	46.0	42.2	46.8	44.7	0.8	2.5	No	No	No	No
2507	19 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	45.5	41.8	45.4	43.4	-0.1	1.6	No	No	No	No
2508	45 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	43.2	39.6	43.4	41.3	0.2	1.7	No	No	No	No
2509	8 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.7	41.0	45.8	43.7	1.1	2.7	No	No	No	No
2510	43 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.6	42.0	45.7	43.6	0.1	1.6	No	No	No	No
2511	11 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.8	43.0	47.3	45.3	0.5	2.3	No	No	No	No
2513	18 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.0	41.2	45.5	43.4	0.5	2.2	No	No	No	No
2514	10 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	45.5	41.9	46.1	44.0	0.6	2.1	No	No	No	No
2515	15 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.4	41.5	46.9	44.8	1.5	3.3	No	No	No	No
2516	41 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.8	42.3	45.7	43.6	-0.1	1.3	No	No	No	No
2517	13 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.1	47.2	45.2	0.3	2.1	No	No	No	No
2518	10 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	44.9	41.3	46.4	44.3	1.5	3.0	No	No	No	No
2519	24 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.8	41.0	46.5	44.4	1.7	3.4	No	No	No	No
2520	39 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.5	43.0	46.5	44.5	0.0	1.5	No	No	No	No
2521	21 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	45.8	42.3	45.7	43.6	-0.1	1.3	No	No	No	No
2522	37 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.5	41.5	46.3	44.2	1.8	2.7	No	No	No	No
2524	23 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	45.3	41.9	46.0	44.0	0.7	2.1	No	No	No	No
2525	15 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	43.0	47.2	45.1	0.5	2.1	No	No	No	No
2526	16 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	46.0	42.3	46.9	44.9	0.9	2.6	No	No	No	No
2527	12 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.7	41.7	46.2	44.1	0.5	2.4	No	No	No	No
2528	17 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.4	41.6	47.0	44.9	1.6	3.3	No	No	No	No
2529	35 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.3	42.7	46.6	44.5	0.3	1.8	No	No	No	No
2530	12 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	42.5	46.9	44.8	0.5	2.3	No	No	No	No
2531	26 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.1	41.3	46.8	44.7	1.7	3.4	No	No	No	No
2532	56 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.6	42.0	46.5	44.3	0.9	2.3	No	No	No	No
2533	17 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	43.4	47.7	45.7	0.6	2.3	No	No	No	No
2534	14 WILLS CLOSE SINGLETON HEIGHTS	Residential	55	50	45.1	41.6	46.2	44.1	1.1	2.5	No	No	No	No
2535	28 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.4	41.7	47.3	45.2	1.9	3.5	No	No	No	No
2536	19 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.4	41.7	46.7	44.6	1.3	2.9	No	No	No	No
2537	58 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	42.9	39.8	44.6	42.5	1.7	2.7	No	No	No	No
2538	60 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.2	40.4	43.2	41.1	-1.0	0.7	No	No	No	No
2539	24 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	41.9	38.3	43.0	40.9	1.1	2.6	No	No	No	No
2540	14 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.8	43.0	47.2	45.1	0.4	2.1	No	No	No	No
2541	16 OXLEY AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.9	47.4	45.3	1.1	2.4	No	No	No	No
2542	21 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.2	42.5	47.9	45.8	1.7	3.3	No	No	No	No
2543	54 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.3	41.8	46.6	44.4	1.3	2.6	No	No	No	No
2544	31 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.6	42.9	46.8	44.8	0.2	1.9	No	No	No	No
2545	23 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.3	41.4	46.6	44.4	1.3	3.0	No	No	No	No
2546	30 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.8	42.1	48.1	46.0	2.3	3.9	No	No	No	No
2547	50 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.6	42.6	46.2	44.2	-0.4	1.6	No	No	No	No
2548	52 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.3	42.2	45.7	43.6	-0.6	1.4	No	No	No	No
2549	33 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.3	42.7	46.9	44.8	0.6	2.1	No	No	No	No
2550	6 MCDUGALL CLOSE MCDUGALLS HILL	Residential	55	50	55.8	51.6	54.6	52.4	-1.2	0.8	Yes	No	No	No
2551	29 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.3	42.7	46.8	44.7	0.5	2.0	No	No	No	No
2552	25 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.4	42.4	47.9	45.8	1.5	3.4	No	No	No	No
2553	32 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.0	42.5	48.9	46.8	2.9	4.3	No	No	No	No
2554	46 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.4	42.5	46.4	44.3	0.0	1.8	No	No	No	No
2555	48 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.4	42.5	46.2	44.1	-0.2	1.6	No	No	No	No

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - Noise Barrier								Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		No Minimum		Design		Change					
			Day	Night	Day	Night	Day	Night	Day	Night				
2556	27 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.2	42.0	46.8	44.7	0.6	2.7	No	No	No	No
2557	26 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	43.8	40.2	44.4	42.3	0.6	2.1	No	No	No	No
2558	44 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	44.8	41.5	46.4	44.3	1.6	2.8	No	No	No	No
2559	42 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.3	42.4	46.2	44.1	-0.1	1.7	No	No	No	No
2560	34 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.4	42.5	47.8	45.7	1.4	3.2	No	No	No	No
2561	13B BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	44.6	40.5	44.6	42.5	0.0	2.0	No	No	No	No
2562	13B BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	44.9	40.7	44.9	42.8	0.0	2.1	No	No	No	No
2563	40 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	47.2	43.2	47.2	45.2	0.0	2.0	No	No	No	No
2564	33 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	45.1	41.6	45.6	43.5	0.5	1.9	No	No	No	No
2565	14 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	45.6	41.5	45.9	43.8	0.3	2.3	No	No	No	No
2566	2 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	42.7	48.2	46.0	2.4	3.3	No	No	No	No
2567	2 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	47.0	43.2	48.6	46.5	1.6	3.3	No	No	No	No
2568	3 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.6	42.3	48.0	45.8	2.4	3.5	No	No	No	No
2569	7 MCDUGALL CLOSE MCDUGALLS HILL	Residential	55	50	53.2	49.2	53.7	51.6	0.5	2.4	Yes	No	No	Yes
2570	13 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	46.1	42.3	47.0	44.9	0.9	2.6	No	No	No	No
2571	38 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	46.0	42.7	48.0	45.8	2.0	3.1	No	No	No	No
2572	1 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	48.3	44.6	50.0	47.9	1.7	3.3	No	No	No	No
2573	4 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	47.4	43.7	49.4	47.3	2.0	3.6	No	No	No	No
2574	15 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	46.2	42.2	46.3	44.2	0.1	2.0	No	No	No	No
2575	30 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.9	41.2	45.0	42.9	0.1	1.7	No	No	No	No
2576	30 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.8	41.2	44.2	42.1	-0.6	0.9	No	No	No	No
2577	12 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	47.6	43.6	48.2	46.1	0.6	2.5	No	No	No	No
2578	4 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.8	44.1	49.6	47.4	1.8	3.3	No	No	No	No
2579	36 WAKEHURST CRESCENT SINGLETON HEIGHTS	Residential	55	50	45.0	41.4	46.2	44.1	1.2	2.7	No	No	No	No
2580	32 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.2	40.5	44.4	42.3	0.2	1.8	No	No	No	No
2581	35 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.6	41.1	45.1	43.0	0.5	1.9	No	No	No	No
2582	16 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	45.4	42.3	47.9	45.7	2.5	3.4	No	No	No	No
2583	17 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	45.4	42.3	47.9	45.8	2.5	3.5	No	No	No	No
2584	37 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	43.7	40.4	44.8	42.7	1.1	2.3	No	No	No	No
2585	3 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	47.8	44.0	49.6	47.6	1.8	3.6	No	No	No	No
2586	5 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	48.8	45.1	49.8	47.7	1.0	2.6	No	No	No	No
2587	6 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	47.8	44.0	49.5	47.4	1.7	3.4	No	No	No	No
2588	5 BASS CLOSE SINGLETON HEIGHTS	Residential	55	50	49.2	45.4	51.9	49.8	2.7	4.4	No	No	No	No
2589	11 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	45.2	41.9	46.3	44.2	1.1	2.3	No	No	No	No
2590	34 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	44.1	40.6	44.8	42.7	0.7	2.1	No	No	No	No
2591	3 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	43.4	39.6	46.2	44.0	2.8	4.4	No	No	No	No
2592	2 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	46.8	43.3	48.9	46.7	2.1	3.4	No	No	No	No
2593	10 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	46.0	42.5	47.1	45.0	1.1	2.5	No	No	No	No
2594	34 DEANS AVENUE SINGLETON HEIGHTS	Residential	55	50	41.9	39.0	43.3	41.2	1.4	2.2	No	No	No	No
2595	1 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.7	45.0	50.4	48.3	1.7	3.3	No	No	No	No
2599	9 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	45.7	41.9	46.4	44.3	0.7	2.4	No	No	No	No
2600	38 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	41.6	38.9	43.2	41.1	1.6	2.2	No	No	No	No
2601	4941 NEW ENGLAND HIGHWAY MCDUGALLS HILL	Residential	55	50	61.1	56.6	57.6	55.8	-3.5	-0.8	No	No	No	No
2602	9 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	48.7	45.0	50.5	48.4	1.8	3.4	No	No	No	No
2603	4 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.4	44.7	49.4	47.3	1.0	2.6	No	No	No	No
2604	40 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	41.6	38.4	42.5	40.4	0.9	2.0	No	No	No	No
2605	8 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	44.3	40.6	45.3	43.2	1.0	2.6	No	No	No	No
2606	5 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.1	44.3	49.4	47.3	1.3	3.0	No	No	No	No
2607	11 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	48.4	44.6	50.1	48.0	1.7	3.4	No	No	No	No
2608	7 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	44.9	41.2	46.6	44.4	1.7	3.2	No	No	No	No
2609	40 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	41.8	38.7	43.0	40.9	1.2	2.2	No	No	No	No
2610	6 BEH CLOSE SINGLETON HEIGHTS	Residential	55	50	48.0	44.2	49.3	47.2	1.3	3.0	No	No	No	No
2611	40 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	43.2	40.0	44.4	42.2	1.2	2.2	No	No	No	No
2612	13 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	48.1	44.1	49.4	47.3	1.3	3.2	No	No	No	No
2613	15 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.9	44.0	49.2	47.1	1.3	3.1	No	No	No	No
2614	44A CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	46.0	42.1	46.7	44.6	0.7	2.5	No	No	No	No
2615	4943 NEW ENGLAND HIGHWAY MCDUGALLS HILL	Residential	55	50	61.2	56.7	57.6	55.8	-3.6	-0.9	No	No	No	No
2616	14 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	44.5	49.3	47.2	0.8	2.7	No	No	No	No
2617	30 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	42.8	47.5	45.4	0.8	2.6	No	No	No	No
2618	32 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.0	47.5	45.4	0.6	2.4	No	No	No	No
2619	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	43.3	48.6	46.5	1.0	3.2	No	No	No	No
2620	42 CUNNINGHAM PARADE SINGLETON HEIGHTS	Residential	55	50	45.5	41.4	45.7	43.6	0.2	2.2	No	No	No	No
2622	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.7	43.4	48.4	46.3	0.7	2.9	No	No	No	No
2624	20 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.1	47.6	45.5	0.7	2.4	No	No	No	No
2625	17 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	42.7	47.4	45.3	0.5	2.6	No	No	No	No
2626	22 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.6	42.6	47.8	45.7	1.2	3.1	No	No	No	No
2627	20A LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	41.8	38.4	43.5	41.3	1.7	2.9	No	No	No	No
2628	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.1	42.7	47.8	45.7	0.7	3.0	No	No	No	No
2629	19 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.9	42.1	46.6	44.5	0.7	2.4	No	No	No	No
2630	22A LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.2	42.3	47.5	45.4	1.3	3.1	No	No	No	No
2631	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	48.2	44.2	49.1	47.0	0.9	2.8	No	No	No	No
2632	24 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.3	42.4	47.0	44.9	0.7	2.5	No	No	No	No
2633	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	44.9	41.1	46.4	44.3	1.5	3.2	No	No	No	No
2634	21 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	42.6	47.0	44.9	0.6	2.3	No	No	No	No
2635	26 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	43.8	40.0	45.0	42.8	1.2	2.8	No	No	No	No
2636	38 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	43.7	48.2	46.1	0.7	2.4	No	No	No	No
2638	16-18 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	48.5	44.4	49.3	47.2	0.8	2.8	No	No	No	No
2639	40 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	43.6	48.1	46.1	0.6	2.5	No	No	No	No
2640	23 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.6	42.7	47.2	45.2	0.6	2.5	No	No	No	No
2641	28 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.3	43.3	48.4	46.3	1.1	3.0	No	No	No	No
2643	25 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	42.7	47.1	45.0	0.4	2.3	No	No	No	No
2644	42 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.4	43.5	48.1	46.0	0.7	2.5	No	No	No	No
2645	28A LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	48.3	44.2	49.0	46.9	0.7	2.7	No	No	No	No
2646	30 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	43.0	47.2	45.1	0.3	2.1	No	No	No	No
2647	44 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	44.3	40.5	45.0	42.9	0.7	2.4	No	No	No	No
2648	27 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.6	43.6	48.5	46.4	0.9	2.8	No	No	No	No
2649	32 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	43.4	48.0	45.9	0.5	2.5	No	No	No	No
2650	46 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	42.4	47.4	45.3	1.0	2.9	No	No	No	No
2652	29 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.8	43.9	48.6	46.6	0.8	2.7	No	No	No	No
2653	34 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.7	43.6	48.4	46.3	0.7	2.7	No	No	No	No
2654	36 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.4	43.2	48.1	46.0	0.7	2.8	No	No	No	No
2655	50 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	42.6	47.9	45.8	1.2	3.2	No	No	No	No
2656	52 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.4	43.4	48.4	46.3	1.0	2.9	No	No	No	No

ID	Address	Use	Predicted Noise Levels LAeq(period) dB(A) - Design Year - Noise Barrier										Exceedance of NCG criteria	CNL	Exceeds Relative Increase	Eligible for Mitigation
			Criteria		No Minimum		Design		Change							
			Day	Night	Day	Night	Day	Night	Day	Night						
2657	38 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.2	43.0	47.8	45.8	0.6	2.8	No	No	No	No		
2658	42 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.8	43.6	48.4	46.3	0.6	2.7	No	No	No	No		
2659	40 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.3	43.2	47.9	45.8	0.6	2.6	No	No	No	No		
2661	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	58.1	55.1	55.6	53.4	-2.9	-1.7	No	No	No	No		
2662	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	53.7	50.4	54.5	52.6	0.8	2.2	Yes	No	No	Yes		
2663	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	54.0	50.6	54.2	52.3	0.2	1.7	Yes	No	No	No		
2664	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	54.7	51.4	54.3	52.3	-0.4	0.9	Yes	No	No	No		
2665	2 SIMPSON TERRACE DARLINGTON	Residential	55	50	54.2	50.9	54.2	52.3	0.0	1.4	Yes	No	No	No		
2666	1-3 SCOTT STREET SINGLETON	Residential	51	48	39.1	35.8	50.3	47.8	11.2	12.0	No	No	No	No		
2667	1 VIEW STREET SINGLETON	Residential	50	47	38.4	35.1	49.5	47.0	11.1	11.9	No	No	No	No		
2677	5065 NEW ENGLAND HIGHWAY MCDUGALLS HILL	Residential	60	55	54.7	54.9	56.2	54.2	1.5	-0.3	No	No	No	No		
2679	5077 NEW ENGLAND HIGHWAY RIXS CREEK	Residential	60	55	59.8	59.8	61.5	59.6	1.7	-0.2	Yes	Yes	No	Yes		
2690	58 RIXS CREEK LANE RIXS CREEK	Residential	60	55	47.8	46.5	48.3	46.4	0.5	-0.1	No	No	No	No		
2691	58 RIXS CREEK LANE RIXS CREEK	Residential	60	55	49.0	47.9	49.7	47.8	0.7	-0.1	No	No	No	No		
2692	5066 NEW ENGLAND HIGHWAY RIXS CREEK	Residential	59	54	51.0	50.4	53.0	51.0	2.0	0.6	No	No	No	No		
2694	100 GARDNER CIRCUIT SINGLETON HEIGHTS	Residential	55	50	41.3	39.2	42.7	40.5	1.4	1.3	No	No	No	No		
2697	92 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	40.5	38.4	41.7	39.6	1.2	1.2	No	No	No	No		
2698	94 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	40.5	38.3	41.6	39.5	1.1	1.2	No	No	No	No		
2700	96 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	40.5	38.3	41.7	39.6	1.2	1.3	No	No	No	No		
2702	98 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	40.6	38.3	41.7	39.6	1.1	1.3	No	No	No	No		
2703	90 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.6	37.5	40.9	38.7	1.3	1.2	No	No	No	No		
2704	88 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.4	37.2	40.7	38.6	1.3	1.4	No	No	No	No		
2705	86 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.2	37.0	40.6	38.4	1.4	1.4	No	No	No	No		
2706	80 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.2	36.9	40.6	38.5	1.4	1.6	No	No	No	No		
2707	48 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.8	42.8	47.3	45.3	0.5	2.9	No	No	No	No		
2708	47 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	42.2	46.1	44.0	0.3	1.8	No	No	No	No		
2709	49 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	43.1	47.9	45.4	0.9	2.3	No	No	No	No		
2710	51 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	42.6	47.6	45.5	0.9	2.9	No	No	No	No		
2711	53 D'ARBON AVENUE SINGLETON HEIGHTS	Residential	55	50	46.5	42.6	47.4	45.3	0.9	2.7	No	No	No	No		
2712	46 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.5	43.4	48.1	46.0	0.6	2.6	No	No	No	No		
2714	48 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.9	42.7	47.7	45.7	0.8	3.0	No	No	No	No		
2717	35 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	42.3	46.6	44.6	0.2	2.3	No	No	No	No		
2718	44 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	47.0	42.9	47.4	45.3	0.4	2.4	No	No	No	No		
2720	50 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.4	42.3	47.2	45.1	0.8	2.8	No	No	No	No		
2721	37 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	44.5	40.5	45.2	43.0	0.7	2.9	No	No	No	No		
2722	38 HENRY DRIVE SINGLETON HEIGHTS	Residential	55	50	43.2	39.4	44.3	42.1	1.1	2.7	No	No	No	No		
2723	52 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.0	41.8	46.6	44.5	0.6	2.7	No	No	No	No		
2726	54 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	43.1	39.3	44.4	42.3	1.3	3.0	No	No	No	No		
2727	40 HENRY DRIVE SINGLETON HEIGHTS	Residential	55	50	42.6	38.9	43.3	41.2	0.7	2.3	No	No	No	No		
2728	56 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	46.7	42.6	47.9	45.5	0.8	2.9	No	No	No	No		
2729	60 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	43.2	39.3	44.3	42.2	1.1	2.9	No	No	No	No		
2730	62 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	41.3	37.7	42.0	39.9	0.7	2.2	No	No	No	No		
2731	64 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	41.2	37.7	42.3	40.1	1.1	2.4	No	No	No	No		
2732	58 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	45.8	41.7	46.3	44.1	0.9	2.4	No	No	No	No		
2733	62 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	42.6	39.0	43.9	41.8	1.3	2.8	No	No	No	No		
2734	3 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	41.2	37.6	42.2	40.1	1.0	2.9	No	No	No	No		
2735	2 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	39.7	36.3	40.9	38.8	1.2	2.9	No	No	No	No		
2736	4 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	42.2	38.5	43.2	41.0	1.0	2.9	No	No	No	No		
2737	1 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	40.0	36.6	41.2	39.0	1.2	2.4	No	No	No	No		
2738	5 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	40.8	37.2	42.0	39.8	1.2	2.6	No	No	No	No		
2739	68 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	41.8	38.5	42.7	40.6	0.9	2.7	No	No	No	No		
2740	6 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	40.2	36.8	41.9	39.3	1.3	2.9	No	No	No	No		
2741	6 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	41.9	38.6	42.8	40.6	0.9	2.0	No	No	No	No		
2742	1 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	41.1	37.7	42.0	39.8	0.9	2.7	No	No	No	No		
2743	7 MULLER PLACE SINGLETON HEIGHTS	Residential	55	50	40.5	37.2	41.6	39.4	1.1	2.2	No	No	No	No		
2744	2 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	40.3	37.0	41.9	39.3	1.2	2.3	No	No	No	No		
2745	5 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	42.2	38.8	43.0	40.9	0.8	2.7	No	No	No	No		
2746	1 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	41.7	38.4	42.7	40.6	1.0	2.2	No	No	No	No		
2747	4 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	41.3	38.3	42.6	40.4	1.3	2.7	No	No	No	No		
2748	3 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	40.8	37.6	41.8	39.7	1.0	2.7	No	No	No	No		
2749	2 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	41.1	38.0	42.4	40.3	1.3	2.3	No	No	No	No		
2750	4 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	40.5	37.4	41.9	39.7	1.4	2.3	No	No	No	No		
2751	8 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	41.5	38.3	42.5	40.4	1.0	2.7	No	No	No	No		
2752	3 LEE CLOSE SINGLETON HEIGHTS	Residential	55	50	40.5	37.7	41.9	39.8	1.4	2.7	No	No	No	No		
2753	5 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	40.4	37.4	41.6	39.5	1.2	2.7	No	No	No	No		
2754	74 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	40.4	37.6	41.9	39.3	1.1	1.7	No	No	No	No		
2755	7 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	40.5	37.7	41.9	39.7	1.4	2.0	No	No	No	No		
2757	6 FONTANA WAY SINGLETON HEIGHTS	Residential	55	50	40.4	37.5	41.8	39.6	1.4	2.7	No	No	No	No		
2758	78 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.4	36.2	40.6	38.4	1.2	2.2	No	No	No	No		
2759	76 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.3	36.9	40.8	38.6	1.9	1.7	No	No	No	No		
2760	78 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	40.0	37.3	41.9	39.3	1.9	2.0	No	No	No	No		
2762	78 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.7	37.1	40.9	38.8	1.2	1.7	No	No	No	No		
2763	82 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.3	36.8	40.9	38.4	1.2	1.6	No	No	No	No		
2764	84 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.6	37.2	40.8	38.7	1.2	1.9	No	No	No	No		
2765	80 LACHLAN AVENUE SINGLETON HEIGHTS	Residential	55	50	39.8	37.3	40.8	38.7	1.0	1.4	No	No	No	No		
2766	5022 NEW ENGLAND HIGHWAY MCDUGALLS HILL	Residential	55	50	52.6	50.2	54.6	52.5	2.0	2.3	Yes	No	No	Yes		

Notes: * Facade with the greatest change in noise levels

^ Property has been acquired by Transport for NSW

Appendix C

Traffic Noise Contours

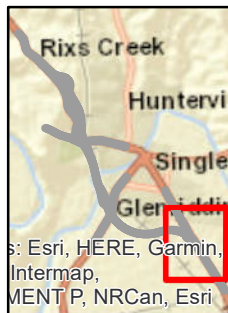
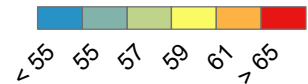


Singleton Bypass - Noise Contours Do Minimum - Year of Opening - Daytime

Free Field Sound Pressure Level, L_{Aeq} dBA

- 55
- 60
- 65

Facade Corrected Sound Pressure Level, L_{Aeq} dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

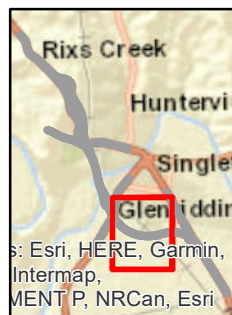


Singleton Bypass - Noise Contours Do Minimum - Year of Opening - Daytime

Free Field Sound Pressure Level, L_{Aeq} dBA

- 55
- 60
- 65

Facade Corrected Sound Pressure Level, L_{Aeq} dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

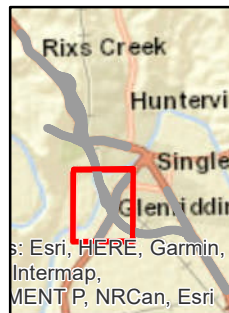


Singleton Bypass - Noise Contours Do Minimum - Year of Opening - Daytime

Free Field Sound Pressure Level, L_{Aeq} dBA

- 55
- 60
- 65

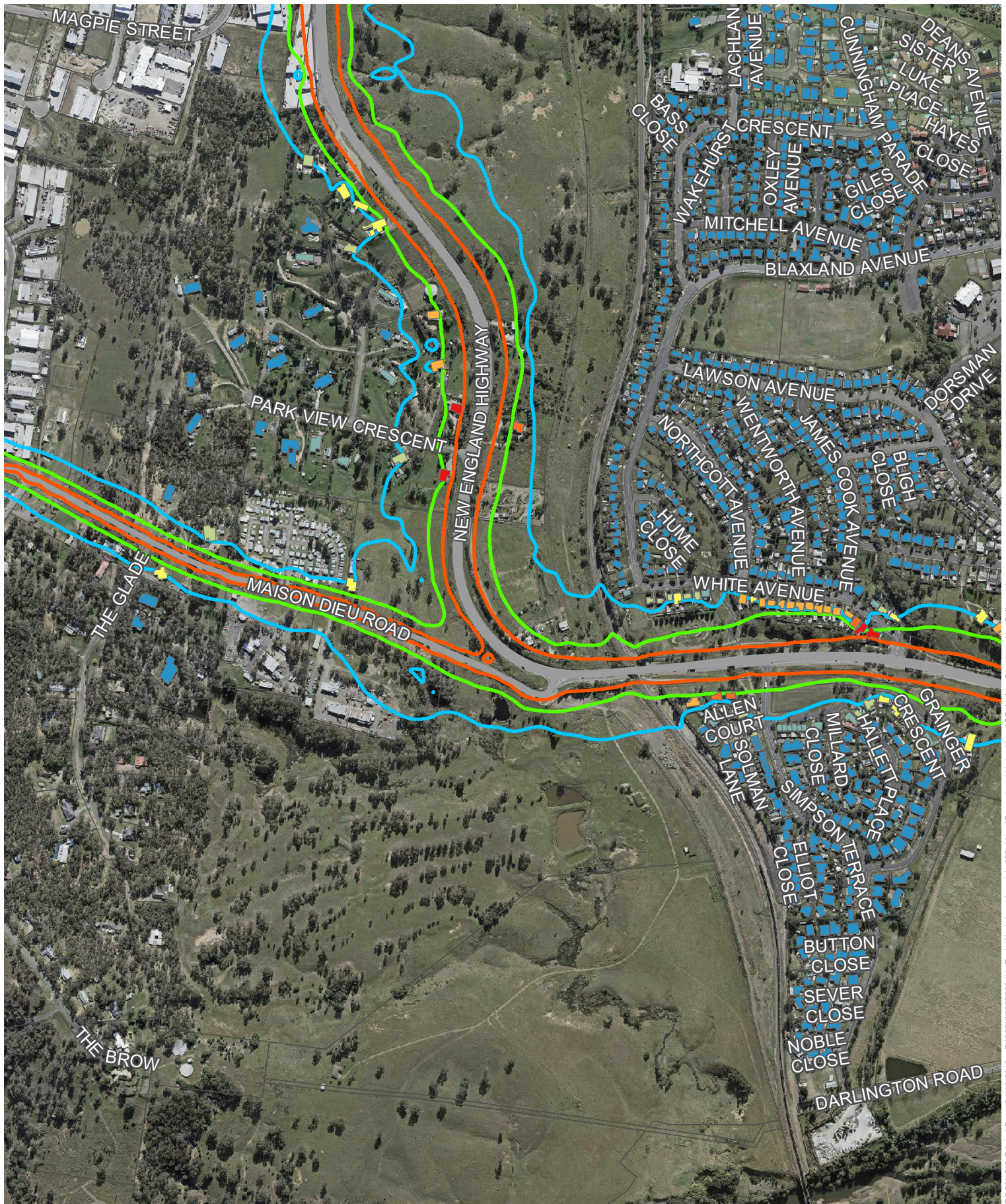
Facade Corrected Sound Pressure Level, L_{Aeq} dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalkcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

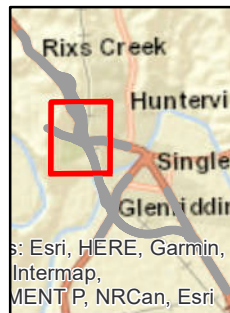


Singleton Bypass - Noise Contours Do Minimum - Year of Opening - Daytime

Free Field Sound Pressure Level, L_{Aeq} dBA

- 55
- 60
- 65

Facade Corrected Sound Pressure Level, L_{Aeq} dBA

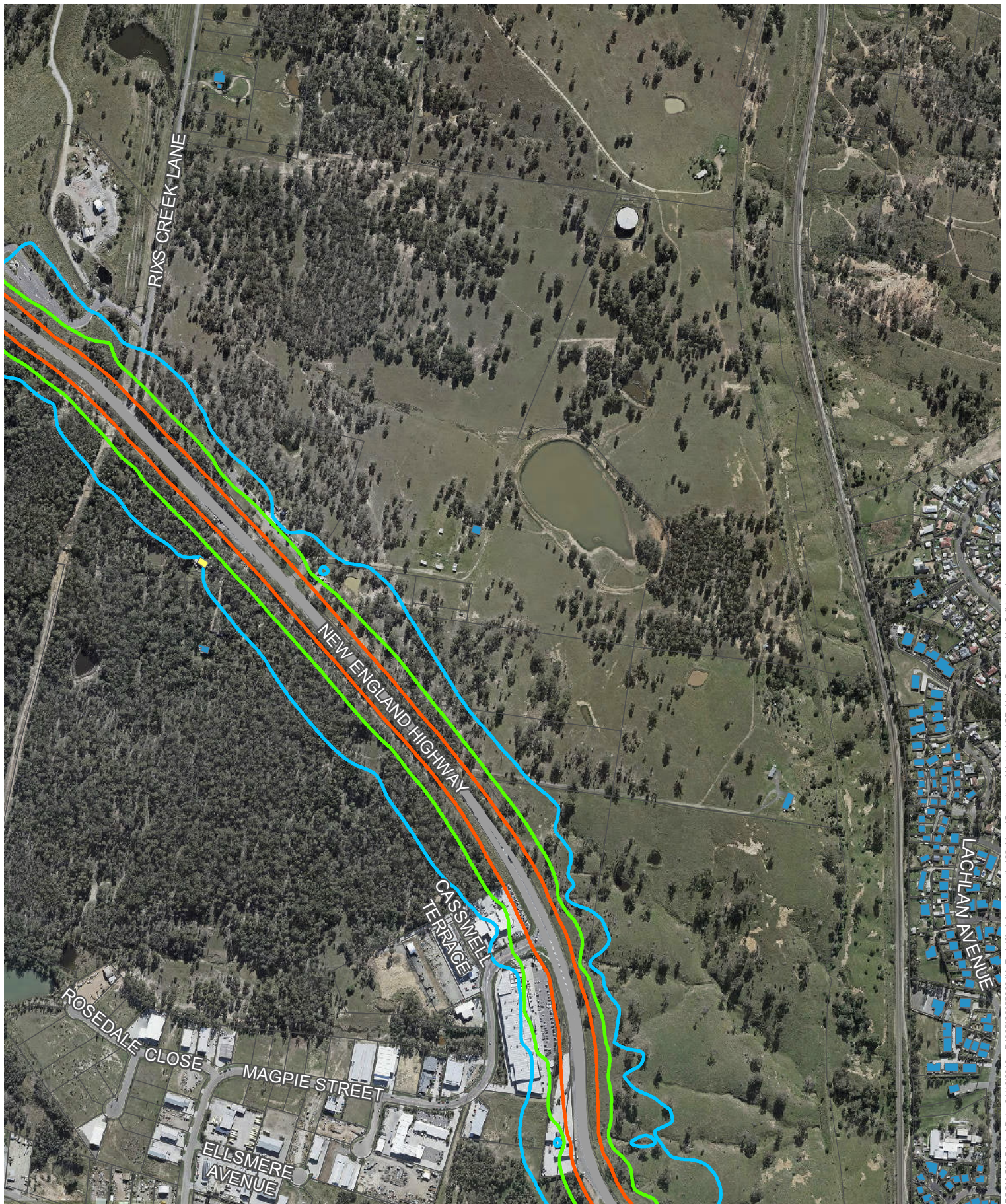


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

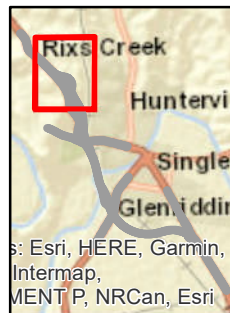


Singleton Bypass - Noise Contours Do Minimum - Year of Opening - Daytime

Free Field Sound Pressure Level, L_{Aeq} dBA

- 55
- 60
- 65

Facade Corrected Sound Pressure Level, L_{Aeq} dBA



AECOM

Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

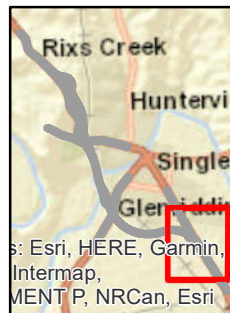


Singleton Bypass - Noise Contours Do Minimum - Year of Opening - Night-time

Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

Facade Corrected Sound Pressure Level, L_{Aeq} dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

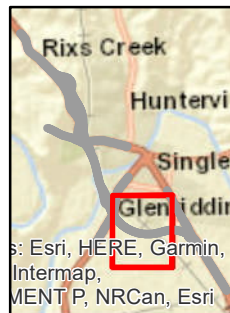


Singleton Bypass - Noise Contours Do Minimum - Year of Opening - Night-time

Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

Facade Corrected Sound Pressure Level, L_{Aeq} dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

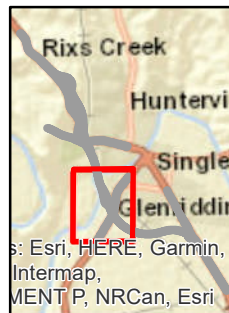


Singleton Bypass - Noise Contours Do Minimum - Year of Opening - Night-time

Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

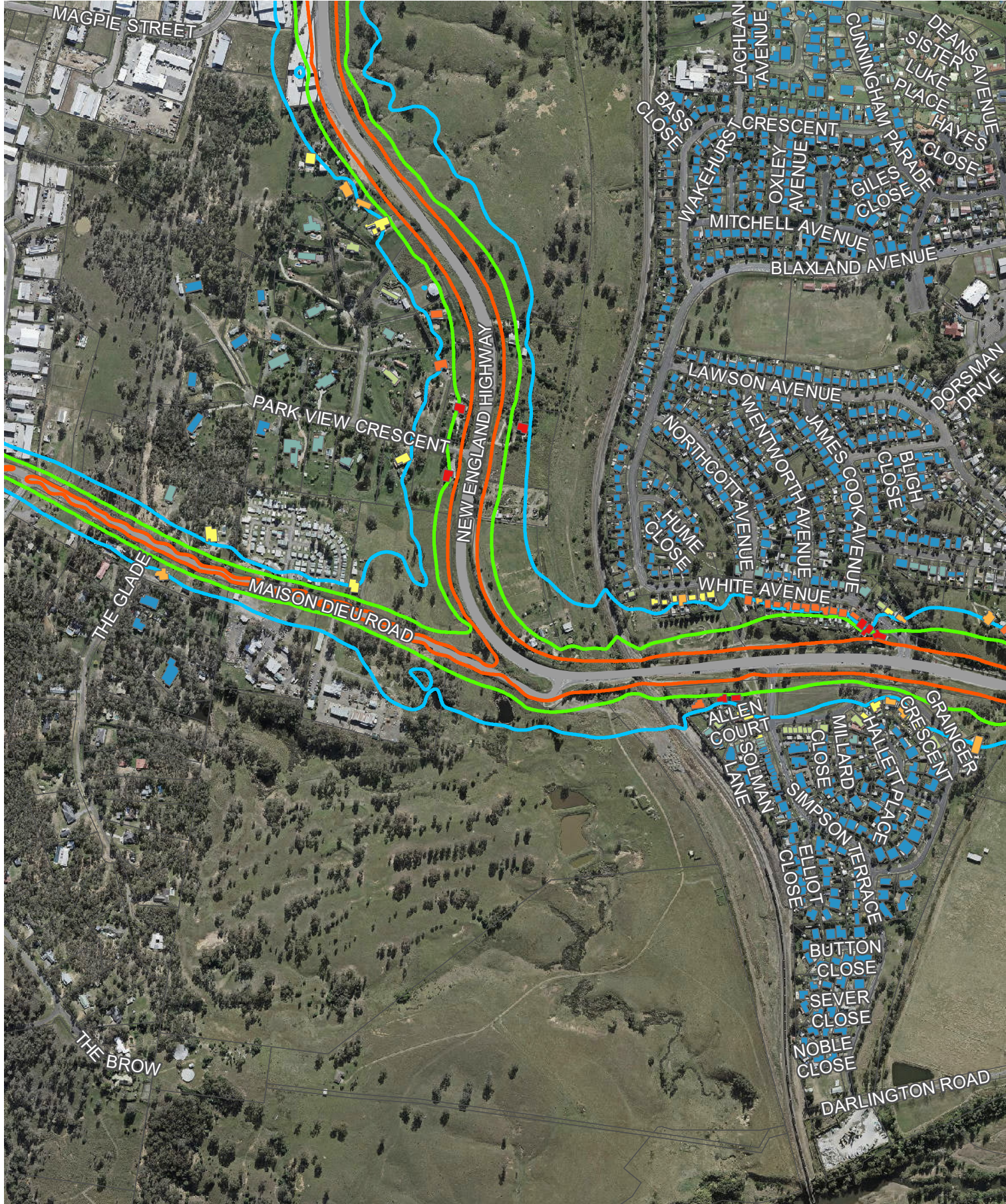
Facade Corrected Sound Pressure Level, L_{Aeq} dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalkcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

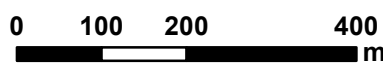
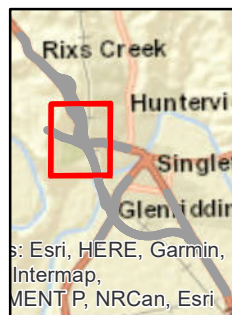


Singleton Bypass - Noise Contours Do Minimum - Year of Opening - Night-time

Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

Facade Corrected Sound Pressure Level, L_{Aeq} dBA



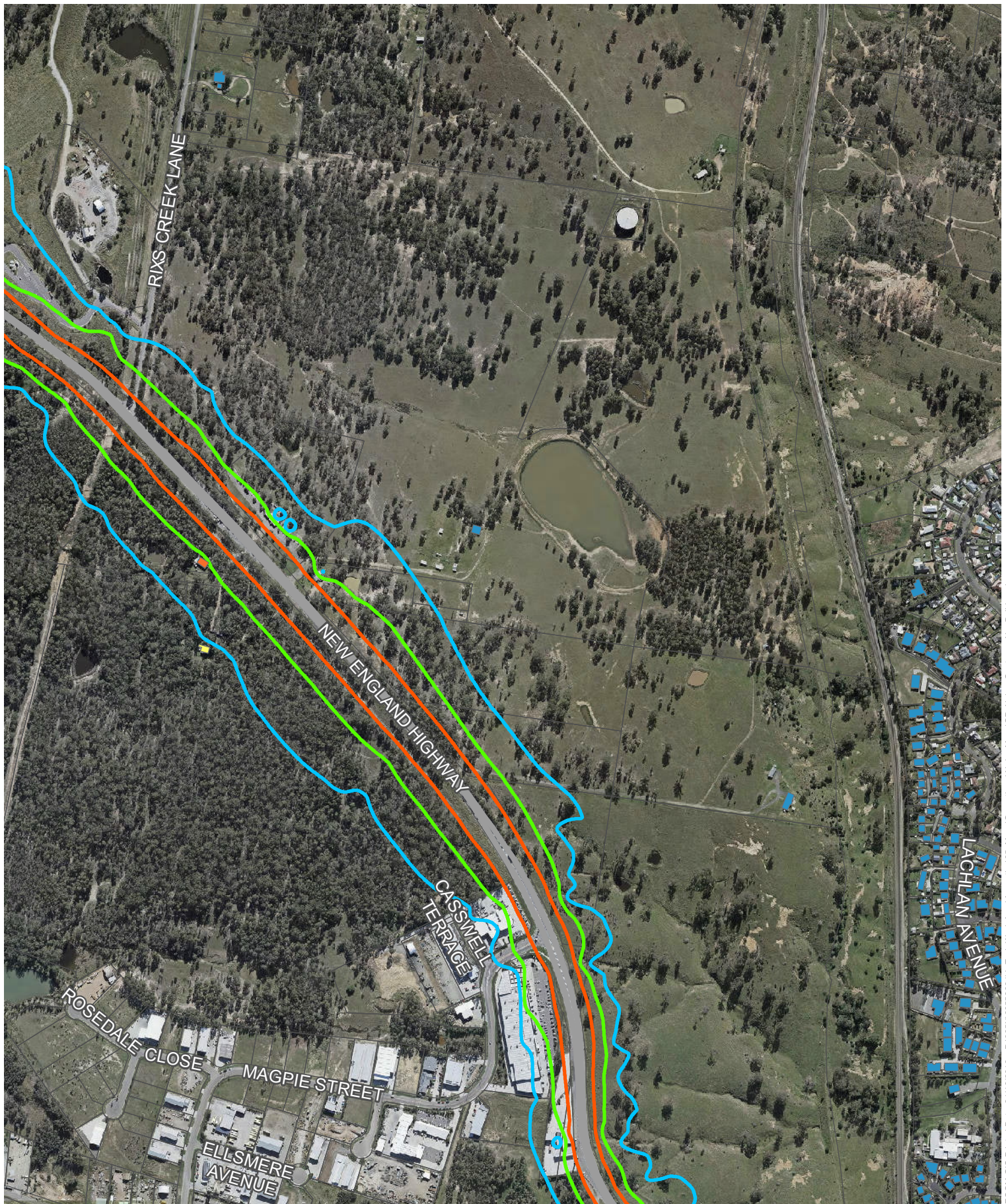
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

AECOM GIS Printed Date: 31/10/2019 P:\605X\6055893\14_Tech Work Area\Acoustics\05_Maps\Operational Noise Maps\SP_Noise_Contours_No_Build.mxd

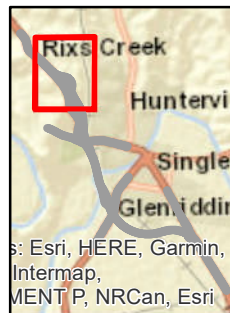


Singleton Bypass - Noise Contours Do Minimum - Year of Opening - Night-time

Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

Facade Corrected Sound Pressure Level, L_{Aeq} dBA



AECOM

Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

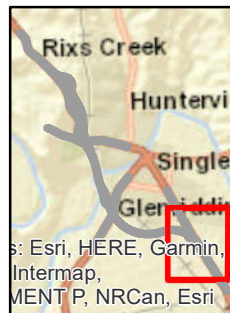


Singleton Bypass - Noise Contours Do Minimum - Design Year - Daytime

Free Field Sound Pressure Level, L_{Aeq} dBA

- 55
- 60
- 65

Facade Corrected Sound Pressure Level, L_{Aeq} dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

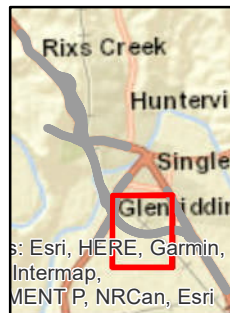


Singleton Bypass - Noise Contours Do Minimum - Design Year - Daytime

Free Field Sound Pressure Level, L_{Aeq} dBA

- 55
- 60
- 65

Facade Corrected Sound Pressure Level, L_{Aeq} dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

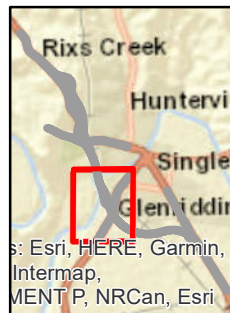


Singleton Bypass - Noise Contours Do Minimum - Design Year - Daytime

Free Field Sound Pressure Level, L_{Aeq} dBA

- 55
- 60
- 65

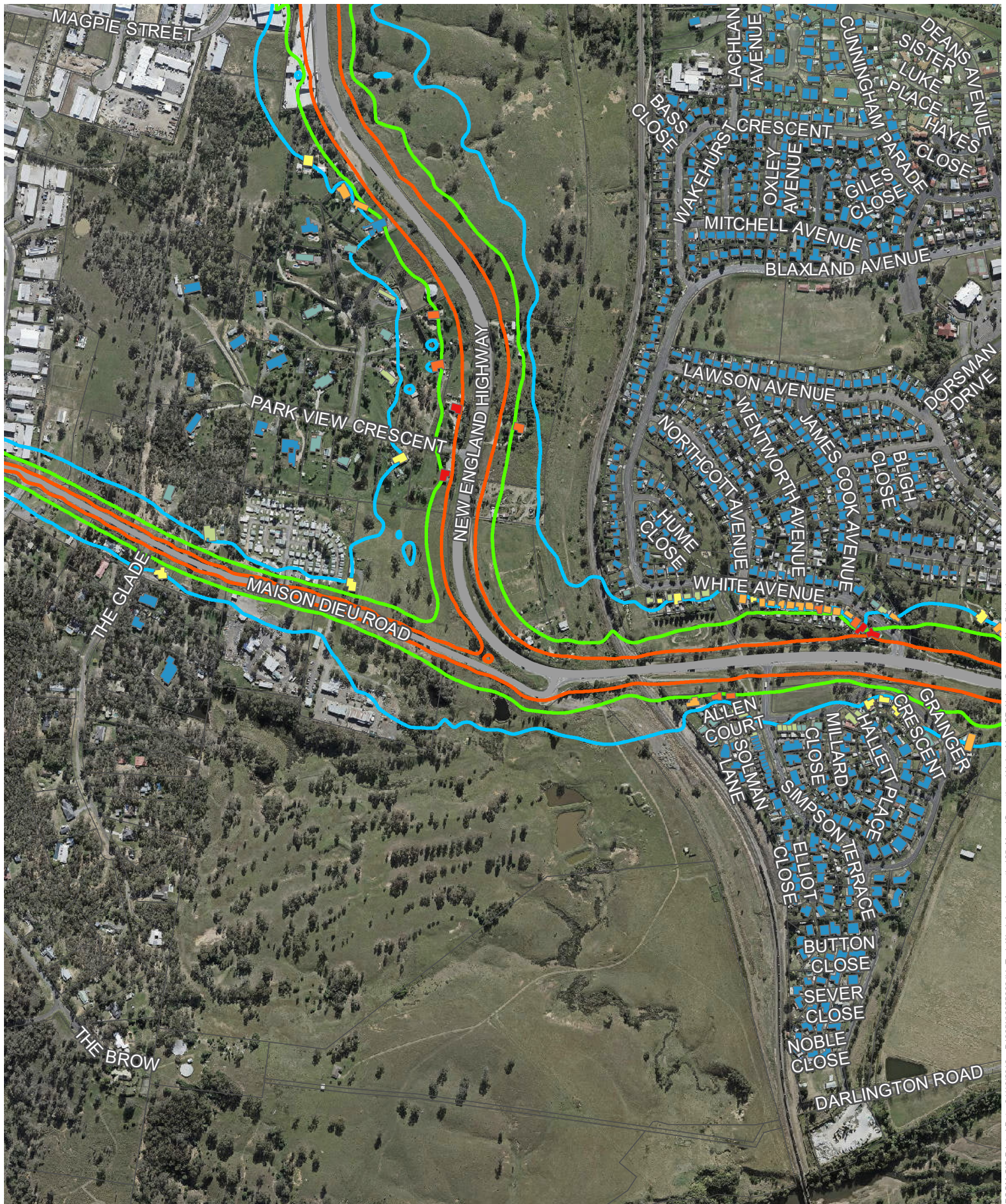
Facade Corrected Sound Pressure Level, L_{Aeq} dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalkcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

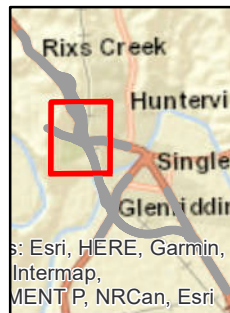


Singleton Bypass - Noise Contours Do Minimum - Design Year - Daytime

Free Field Sound Pressure Level, L_{Aeq} dBA

- 55
- 60
- 65

Facade Corrected Sound Pressure Level, L_{Aeq} dBA

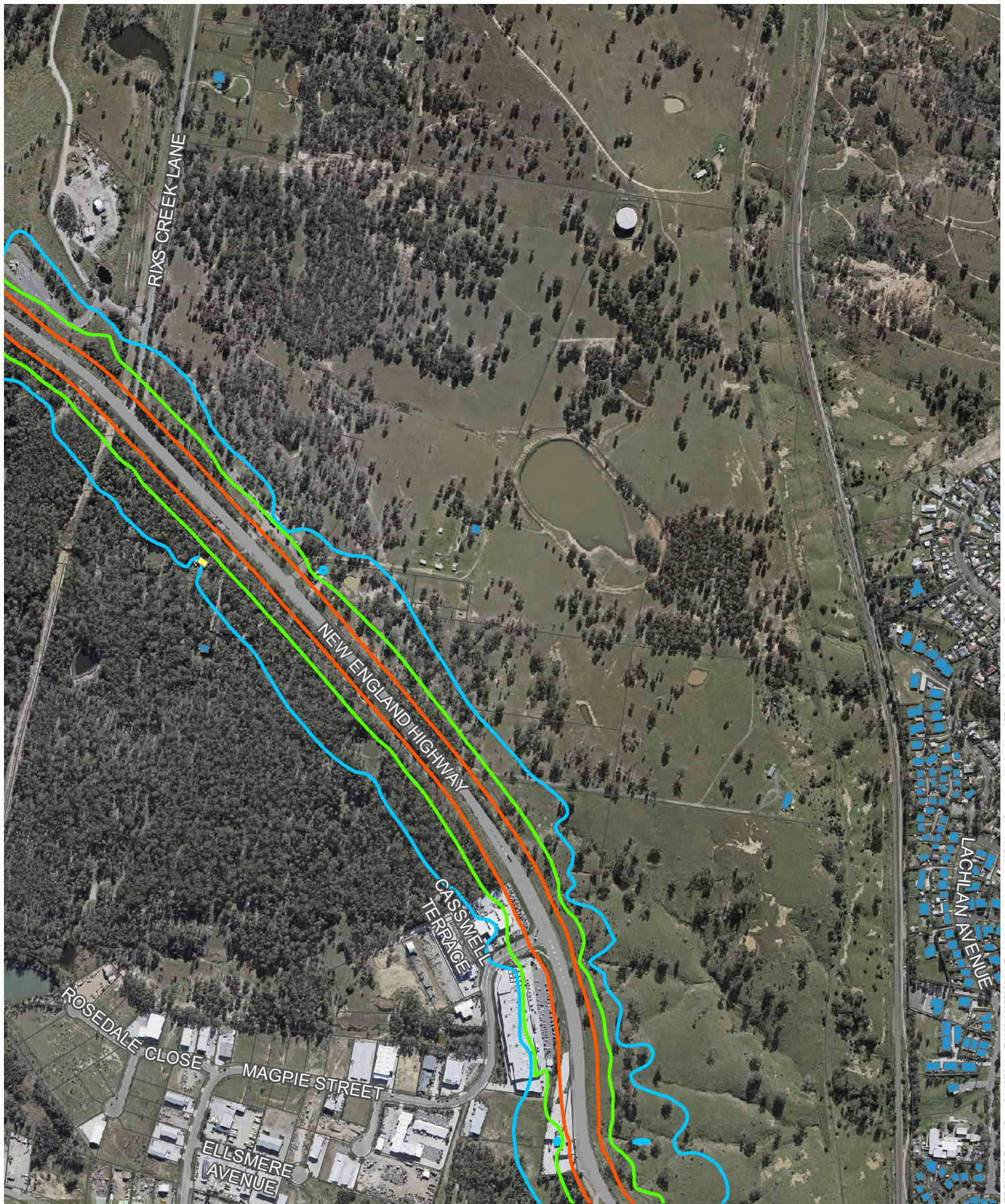


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

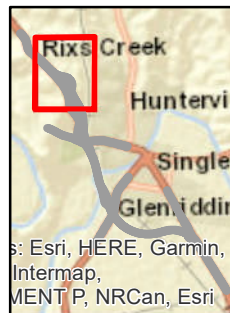


Singleton Bypass - Noise Contours Do Minimum - Design Year - Daytime

Free Field Sound Pressure Level, L_{Aeq} dBA

- 55
- 60
- 65

Facade Corrected Sound Pressure Level, L_{Aeq} dBA

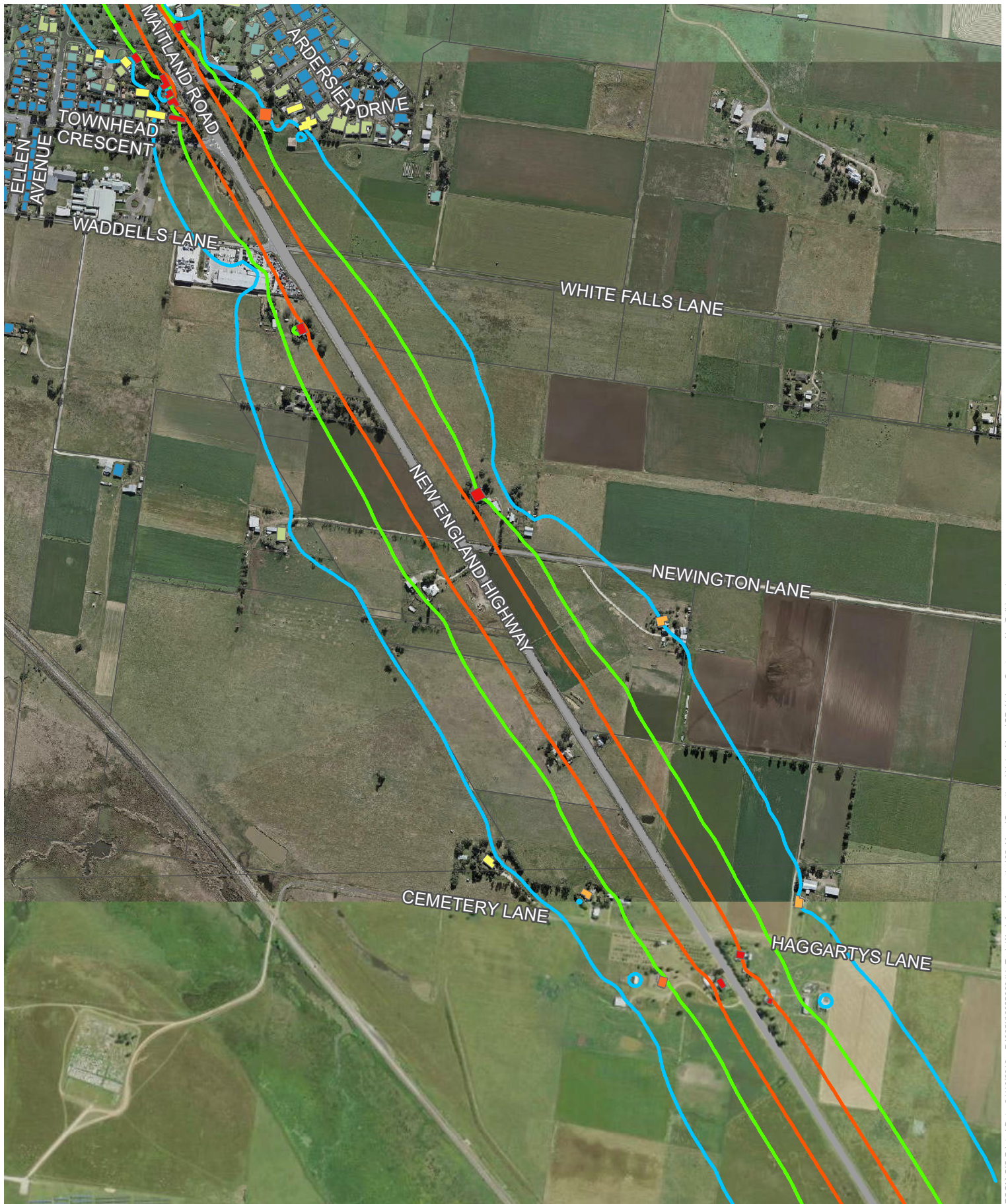


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

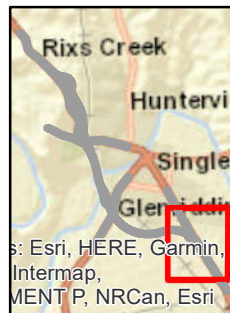


Singleton Bypass - Noise Contours Do Minimum - Design Year - Night-time

Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

Facade Corrected Sound Pressure Level, L_{Aeq} dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
 © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence).
 AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

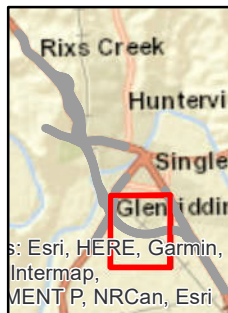


Singleton Bypass - Noise Contours Do Minimum - Design Year - Night-time

Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

Facade Corrected Sound Pressure Level, L_{Aeq} dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

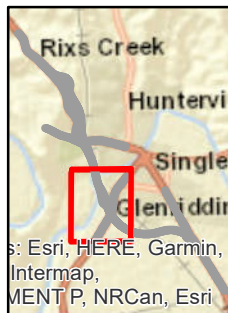


Singleton Bypass - Noise Contours Do Minimum - Design Year - Night-time

Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

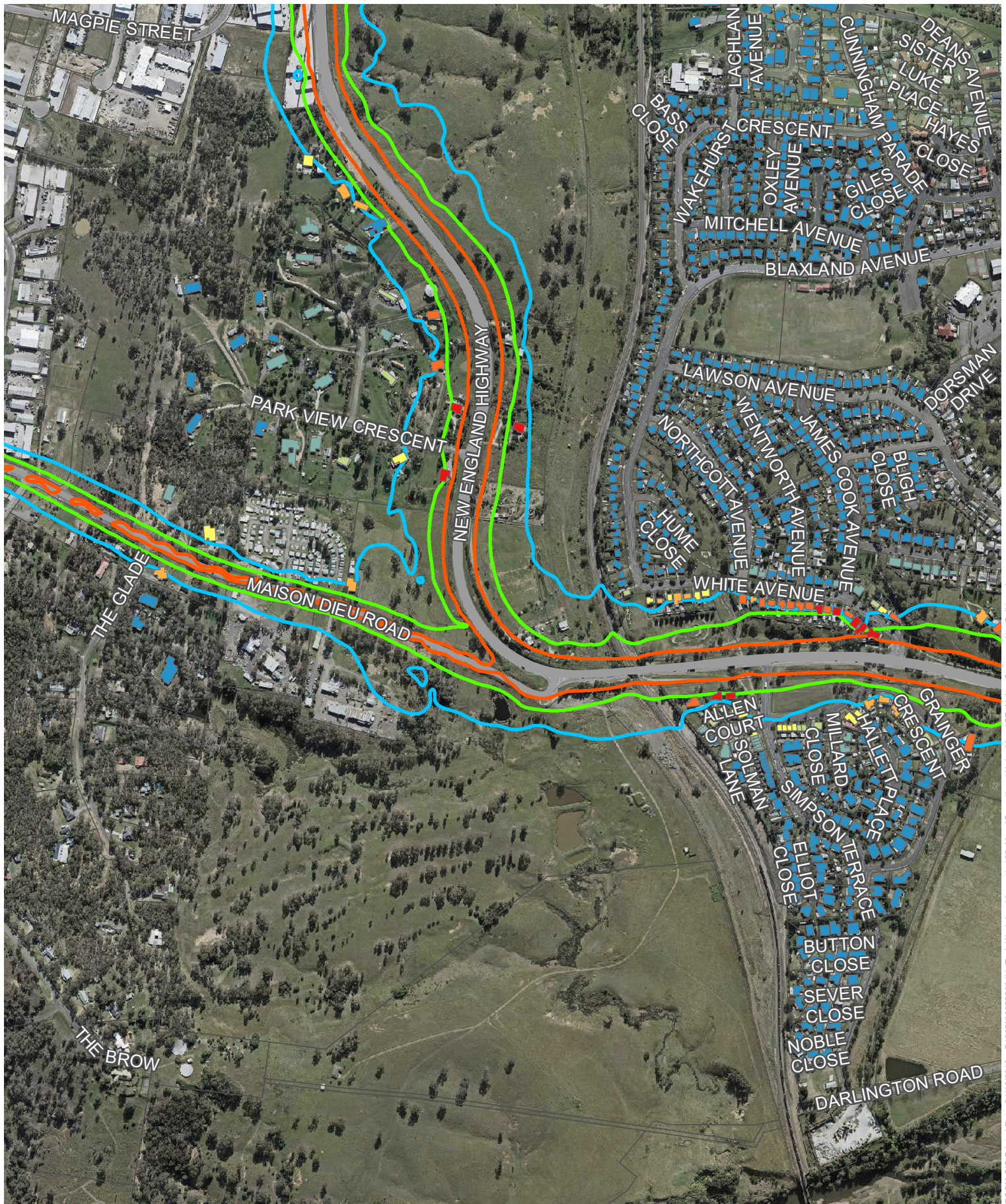
Facade Corrected Sound Pressure Level, L_{Aeq} dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalkcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

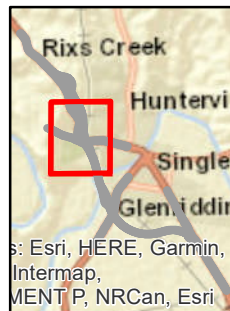


Singleton Bypass - Noise Contours Do Minimum - Design Year - Night-time

Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

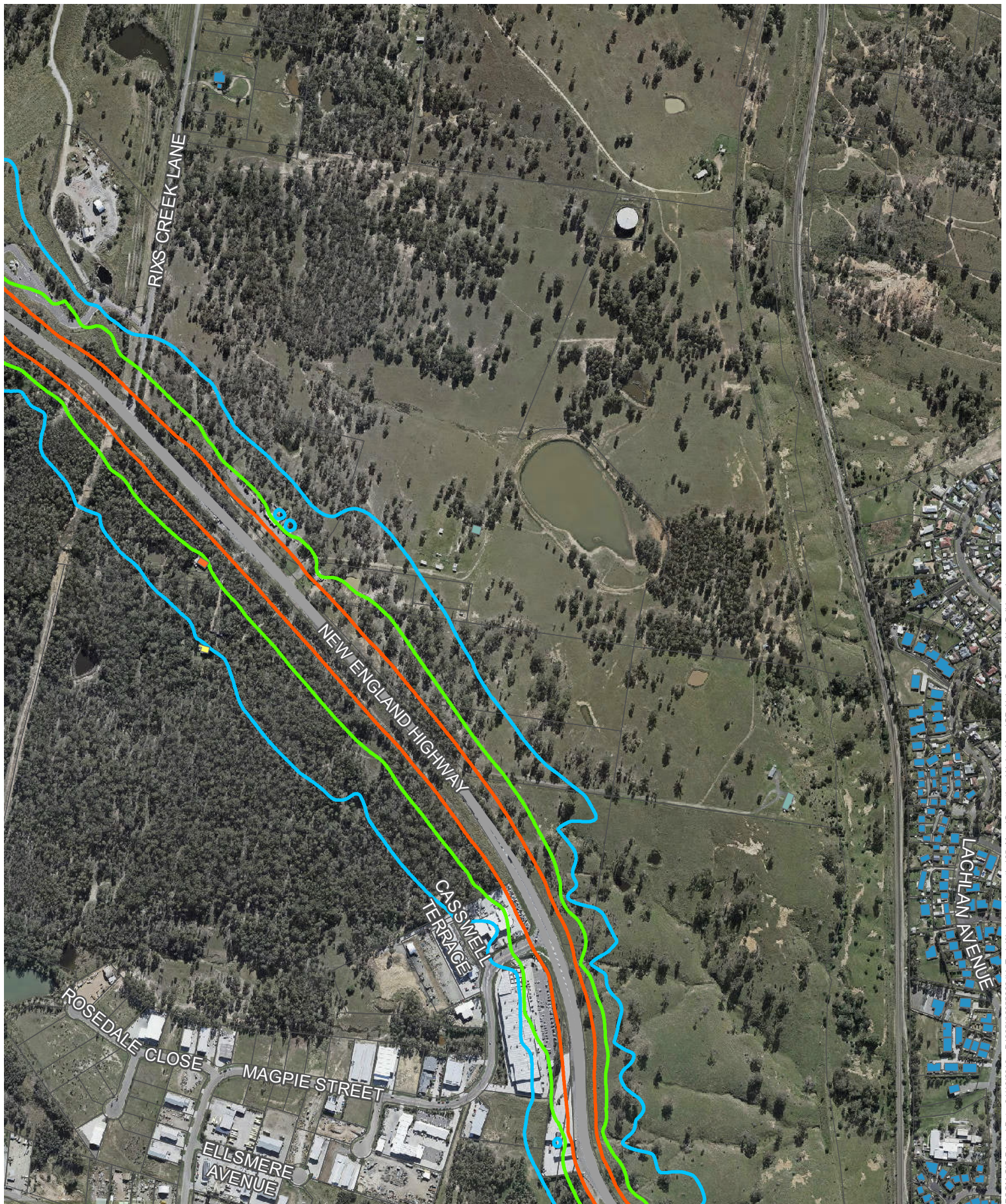
Facade Corrected Sound Pressure Level, L_{Aeq} dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

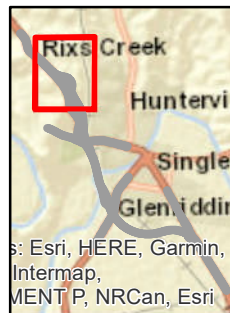


Singleton Bypass - Noise Contours Do Minimum - Design Year - Night-time

Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

Facade Corrected Sound Pressure Level, L_{Aeq} dBA

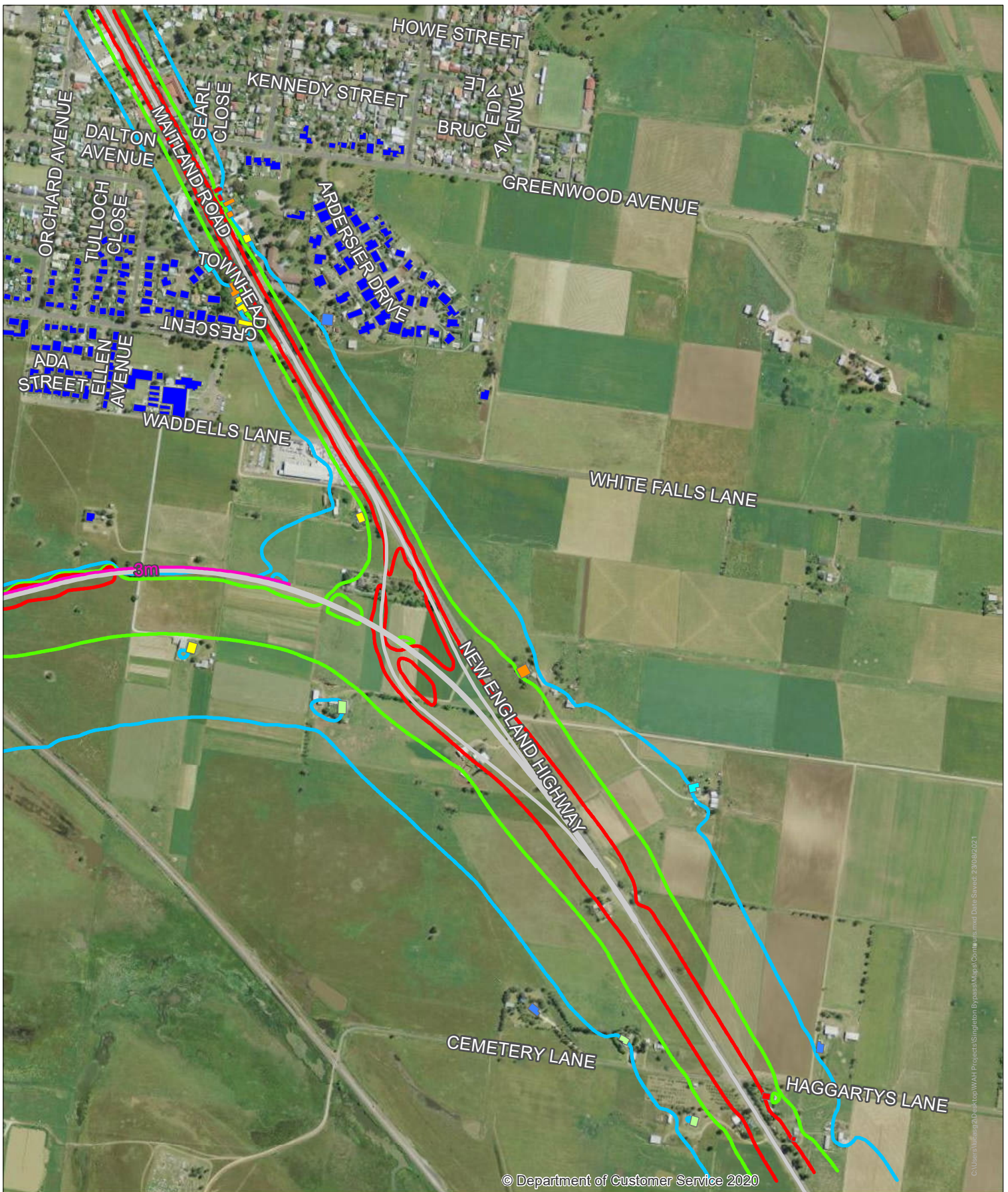


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

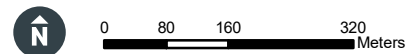


Singleton Bypass - Noise Contours With Noise Barrier - Year of Opening - Daytime

Free Field Sound Pressure Level, L_{Aeq} 15hr dBA

- 55
- 60
- 65

Facade Corrected Sound Pressure Level, L_{Aeq} 15hr dBA

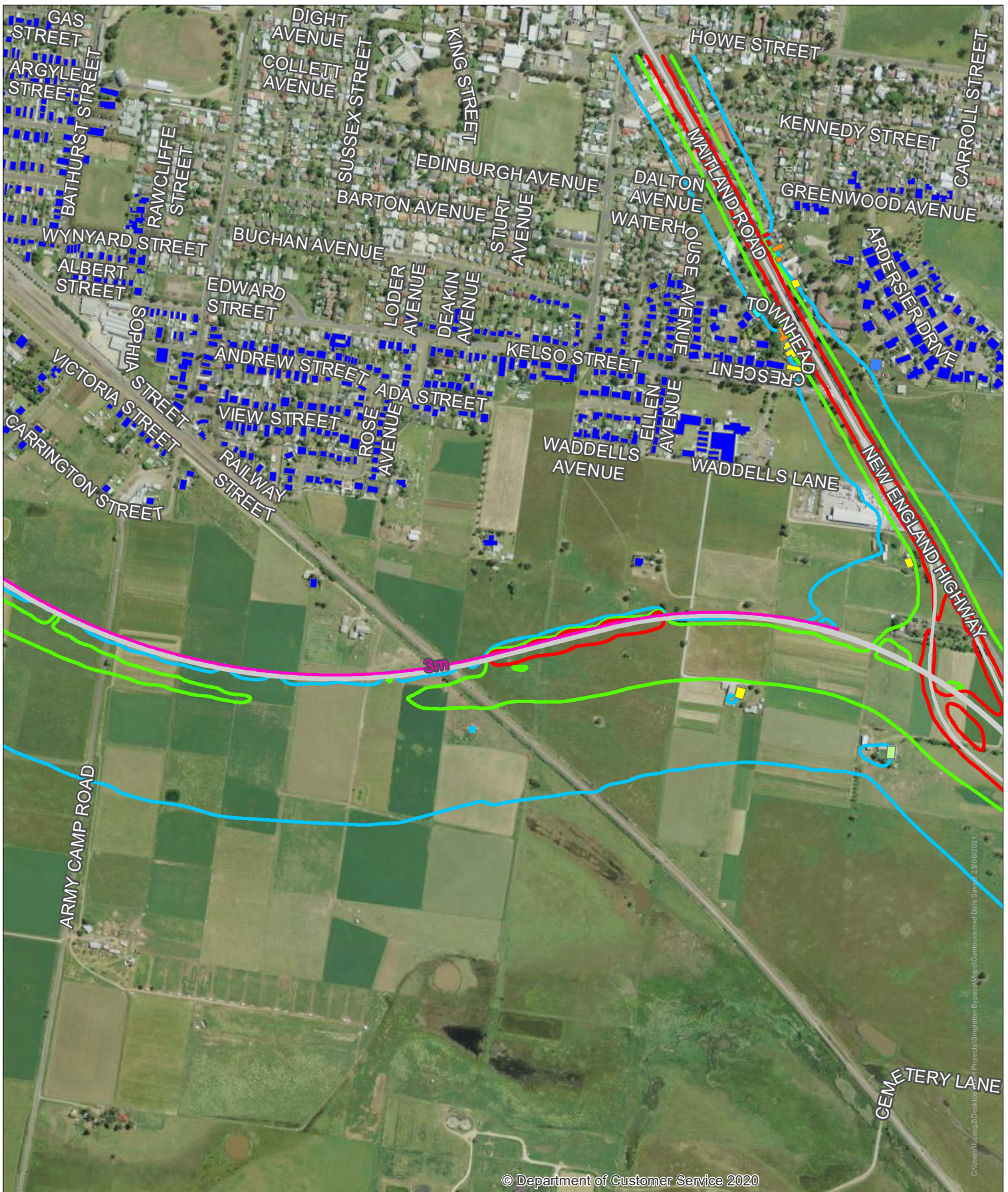


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/le.galcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

C:\Users\hudsonp\Desktop\WAAH Projects\Singleton Bypass\Mapa\Content.mxd Date Saved: 22/09/2021

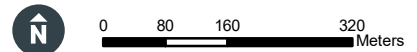


Singleton Bypass - Noise Contours With Noise Barrier - Year of Opening - Daytime

Free Field Sound Pressure Level, L_{Aeq} 15hr dBA

- 55
- 60
- 65

Facade Corrected Sound Pressure Level, L_{Aeq} 15hr dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 4.0 Australia licence © Department of Customer Service 2020. (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/au/> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

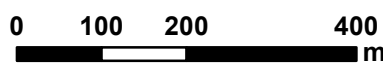
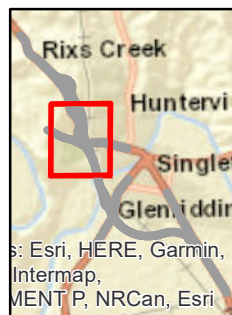


Singleton Bypass - Noise Contours With Noise Barrier - Year of Opening - Daytime

Free Field Sound Pressure Level, L_{Aeq} dBA

- 55
- 60
- 65

Facade Corrected Sound Pressure Level, L_{Aeq} dBA



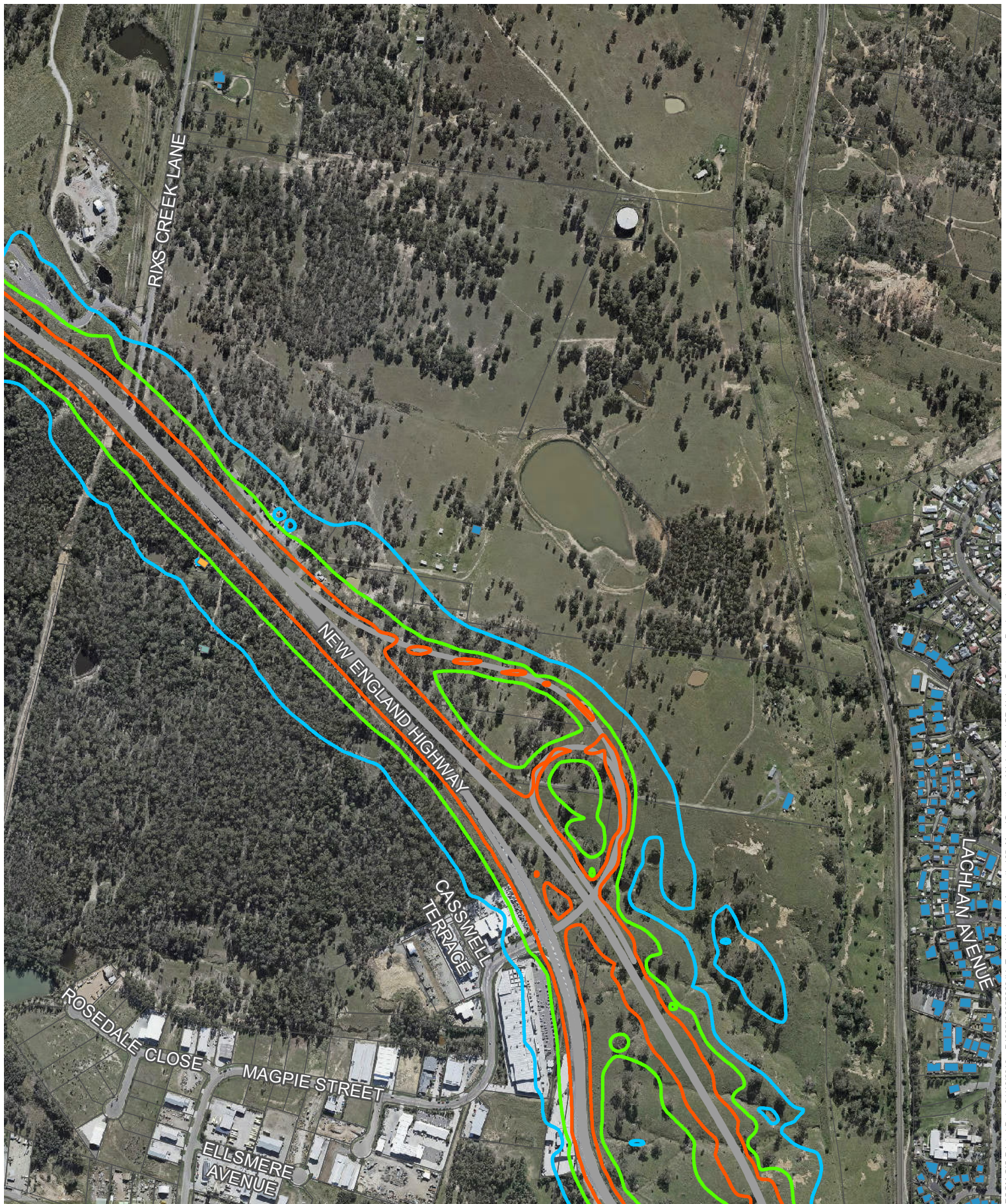
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

AECOM GIS Printed Date: 31/10/2019 P:\605X\6055893\14_Tech Work Area\Acoustics\05_Maps\Operational Noise Maps\SP_Noise_Contours_Barrier.mxd

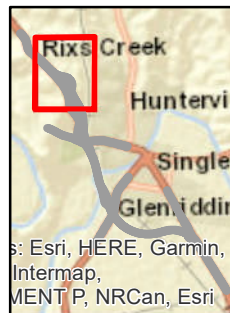


Singleton Bypass - Noise Contours With Noise Barrier - Year of Opening - Daytime

Free Field Sound Pressure Level, L_{Aeq} dBA

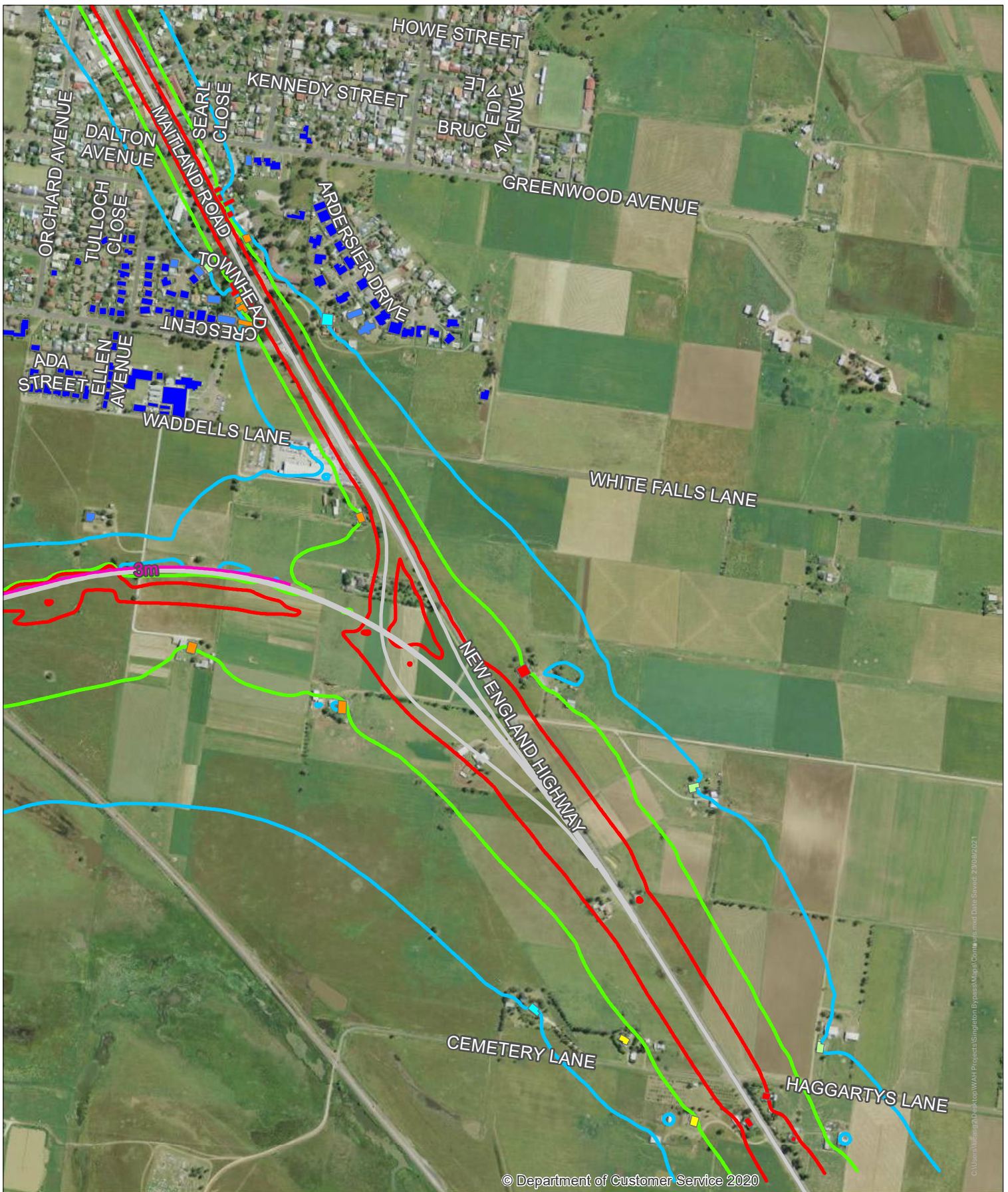
- 55
- 60
- 65

Facade Corrected Sound Pressure Level, L_{Aeq} dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
 © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)
 Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).
 AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



© Department of Customer Service 2020

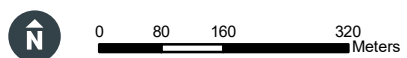
C:\Users\hadesp2\Desktop\WAAH Projects\Singleton Bypass\Mapa\Contours.med Date Saved: 22/09/2021

Singleton Bypass - Noise Contours With Noise Barrier - Year of Opening - Night-time

Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

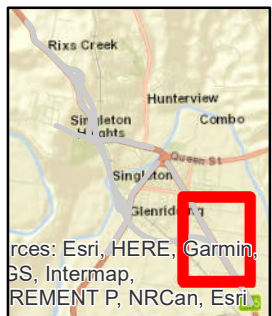
Facade Corrected Sound Pressure Level, L_{Aeq} 9hr dBA



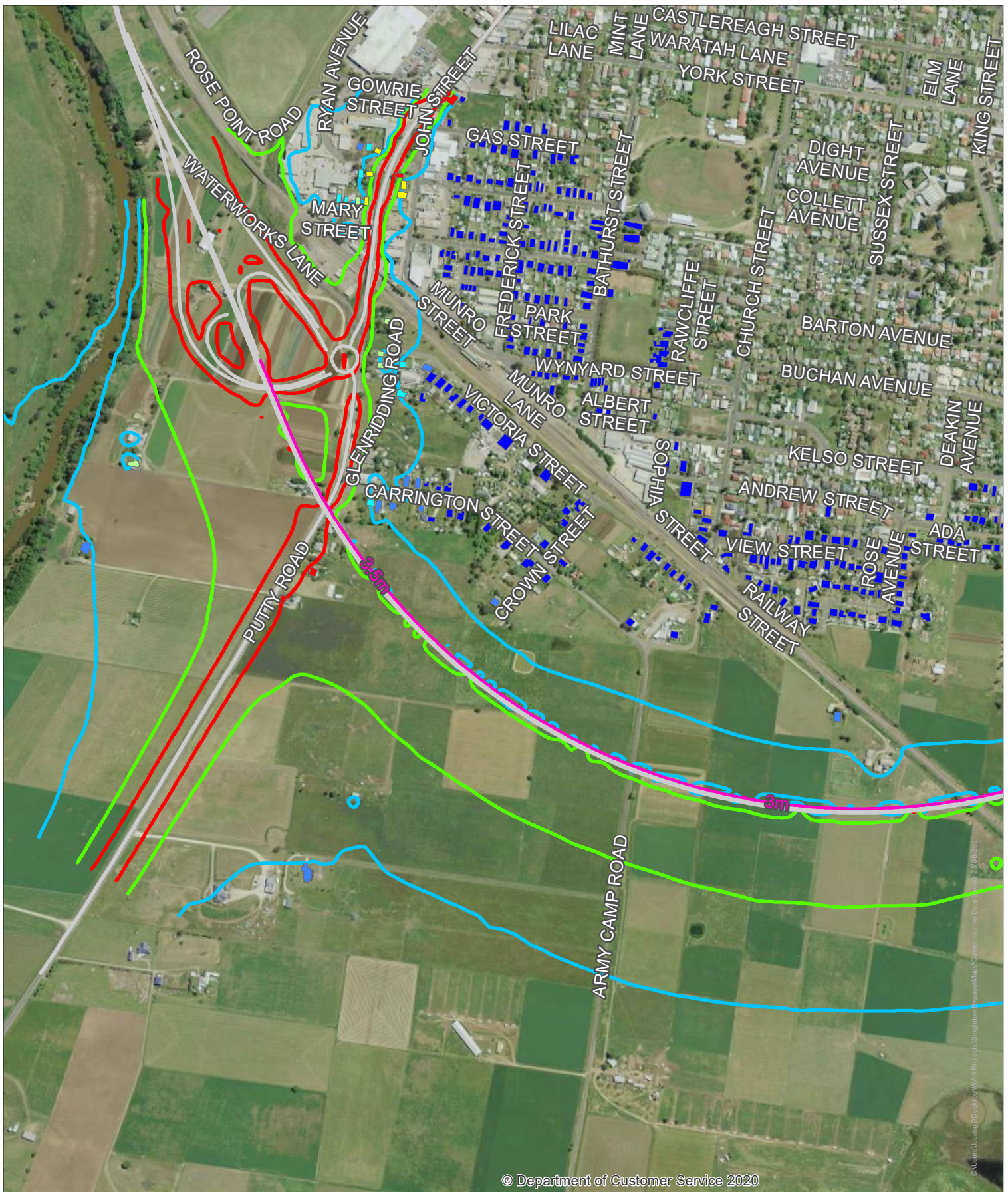
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020. (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/au/ga/code> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Sources: Esri, HERE, Garmin, Swisstopo, Intermap, IGN, IGN, Esri, Remont P, NRCAN, Esri

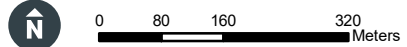
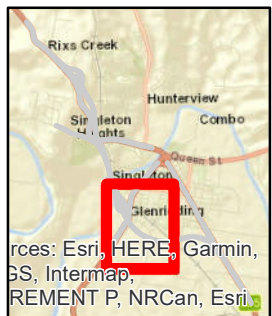
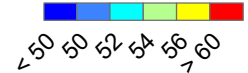


Singleton Bypass - Noise Contours With Noise Barrier - Year of Opening - Night-time

Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

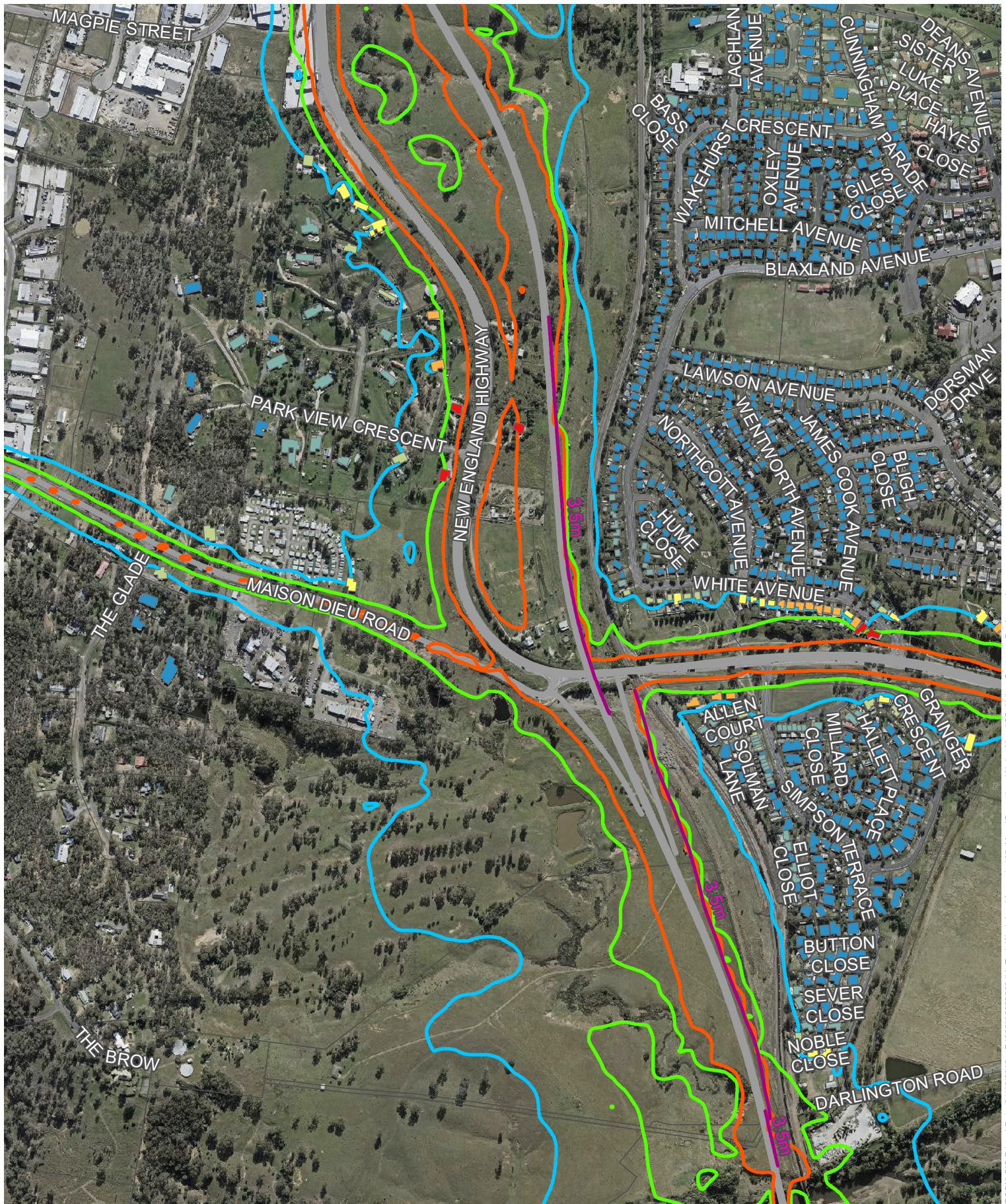
Facade Corrected Sound Pressure Level, L_{Aeq} 9hr dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

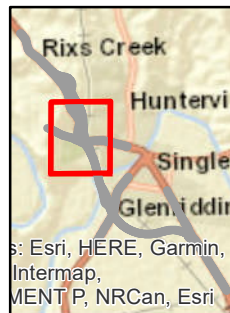


Singleton Bypass - Noise Contours With Noise Barrier - Year of Opening - Night-time

Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

Facade Corrected Sound Pressure Level, L_{Aeq} dBA

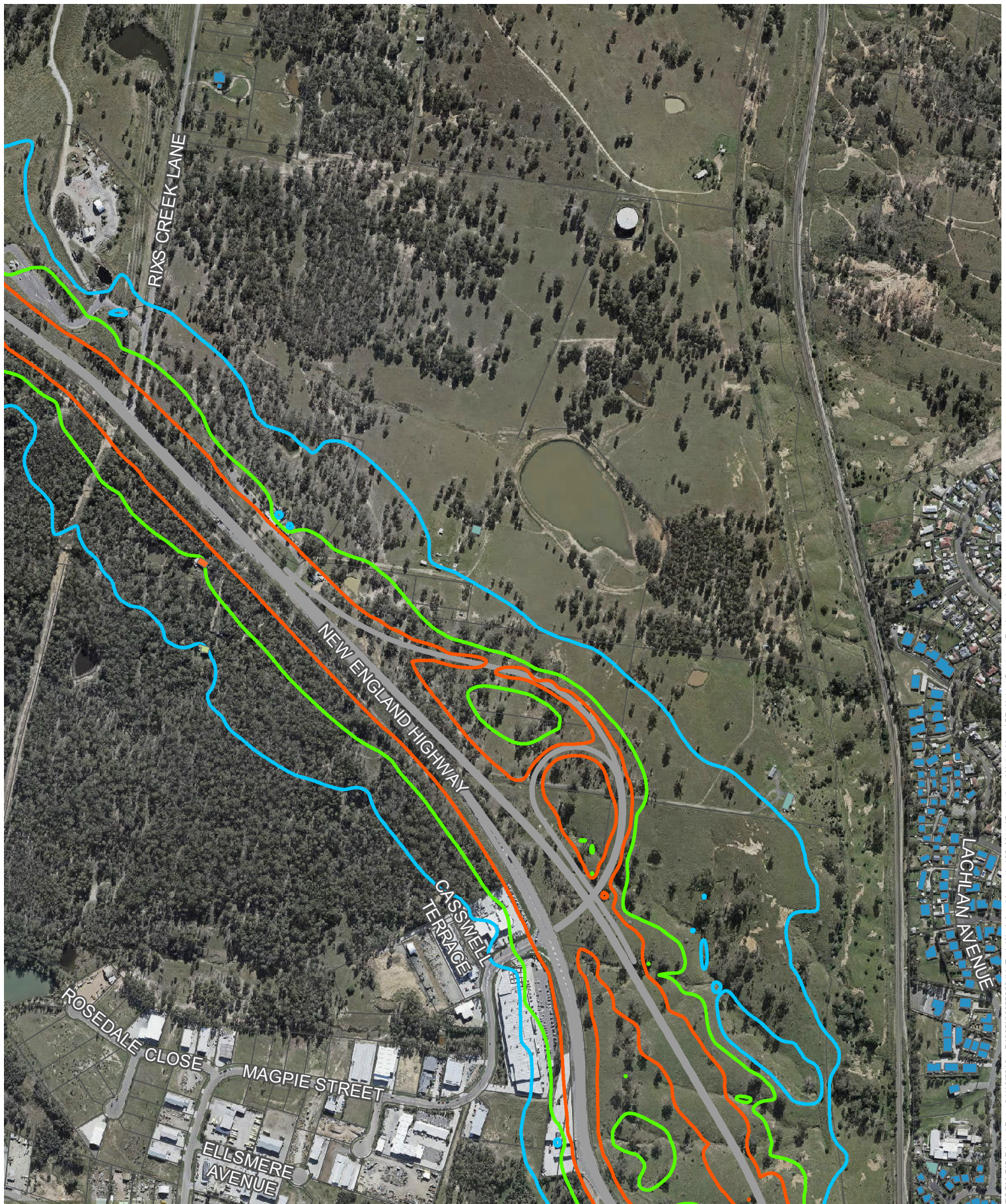


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

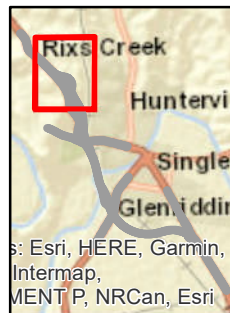


Singleton Bypass - Noise Contours With Noise Barrier - Year of Opening - Night-time

Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

Facade Corrected Sound Pressure Level, L_{Aeq} dBA

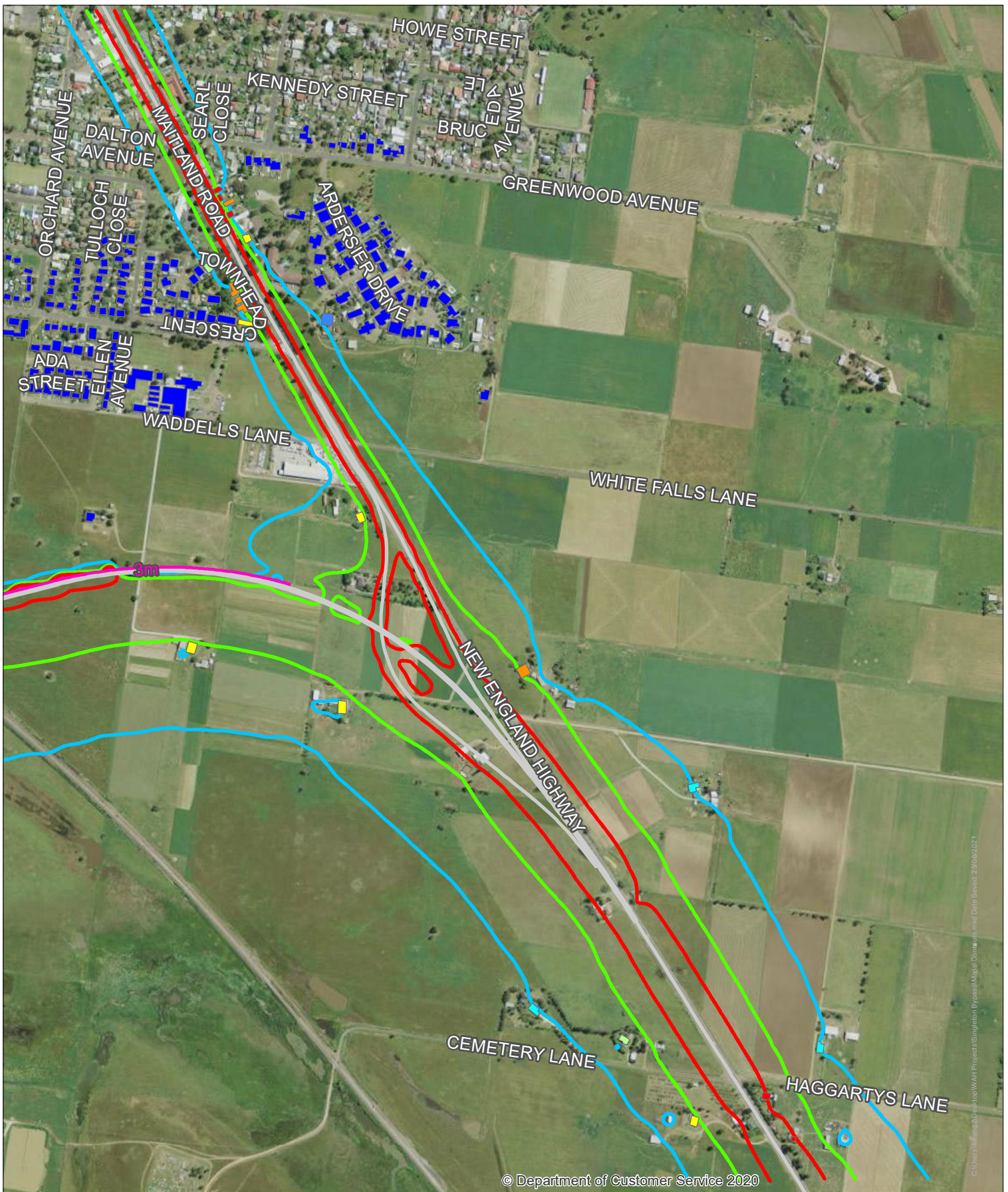


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

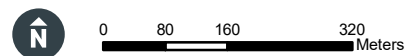


Singleton Bypass - Noise Contours With Noise Barrier - Design Year - Daytime

Free Field Sound Pressure Level, L_{Aeq} 15hr dBA

- 55
- 60
- 65

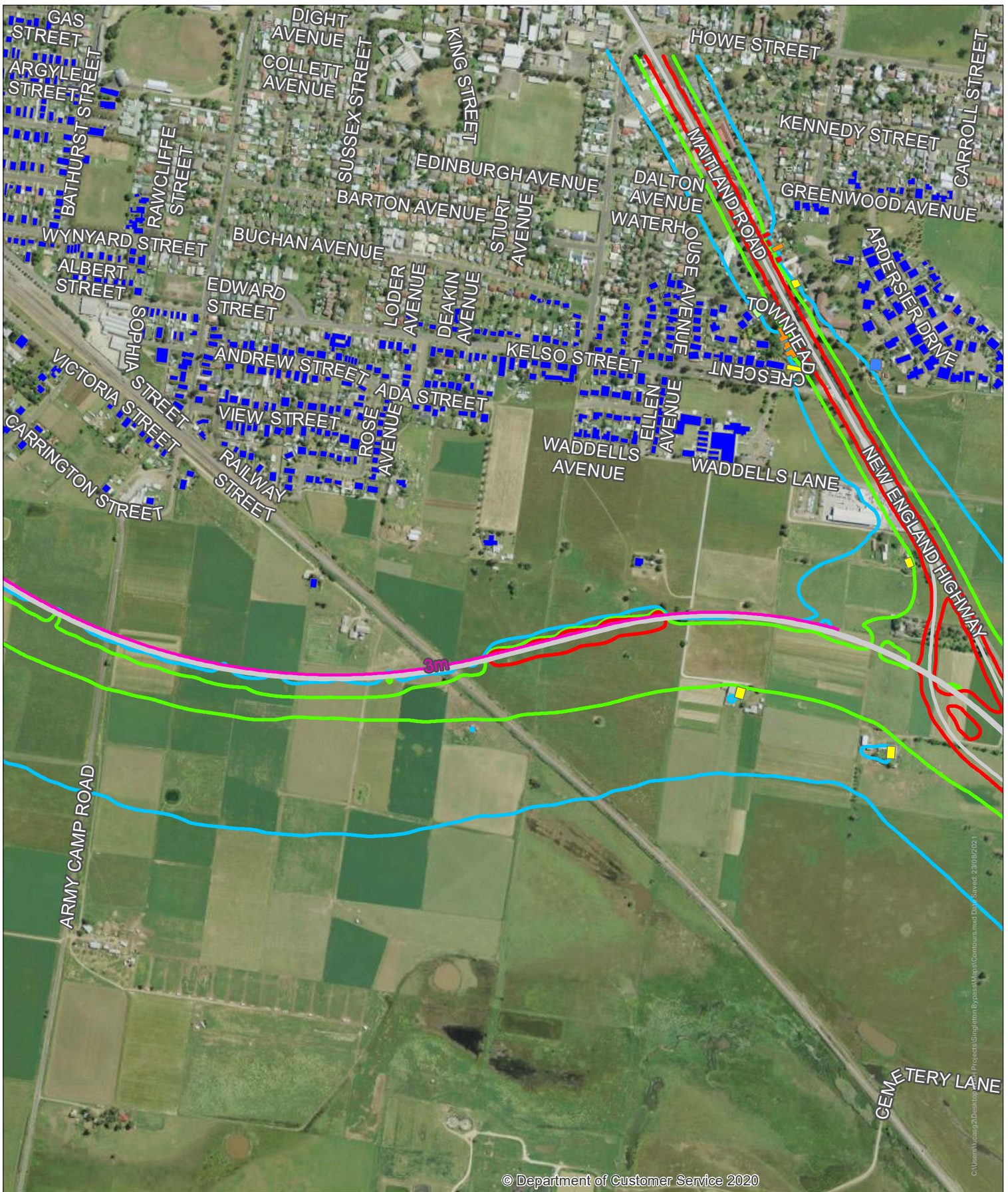
Facade Corrected Sound Pressure Level, L_{Aeq} 15hr dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020. (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/au/ga/code> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Singleton Bypass - Noise Contours With Noise Barrier - Design Year - Daytime

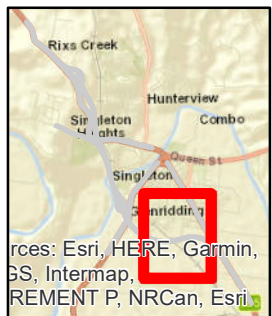
Free Field Sound Pressure Level, L_{Aeq} 15hr dBA

- 55
- 60
- 65

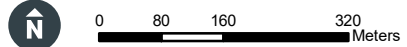
Facade Corrected Sound Pressure Level, L_{Aeq} 15hr dBA



55 55 59 61 63 65



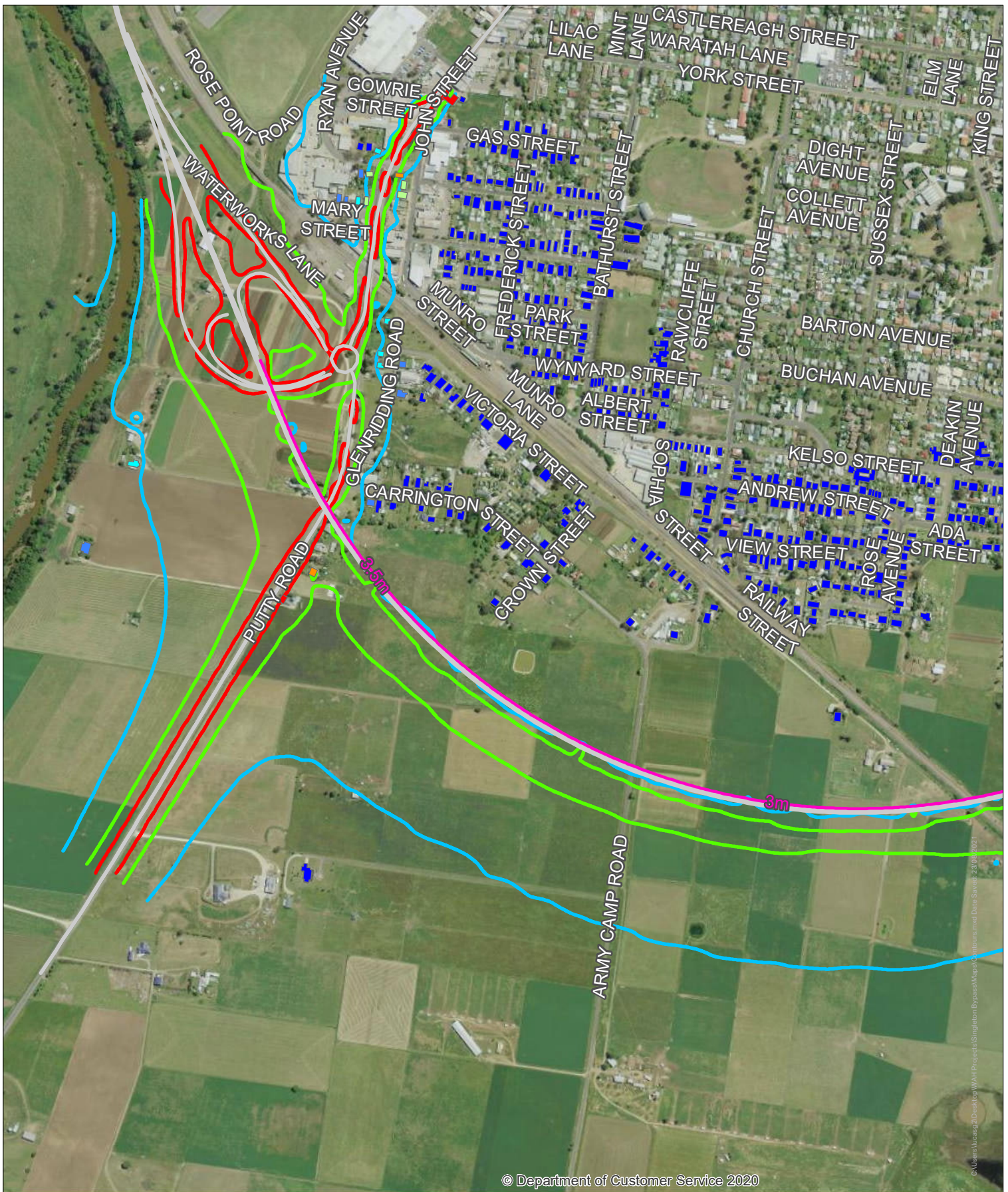
Sources: Esri, HERE, Garmin, BS, Intermap, REMENT P, NRCAN, Esri



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 4.0 Australia licence © Department of Customer Service 2020. (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/au/galcodex> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

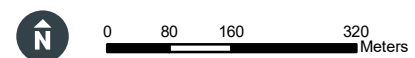
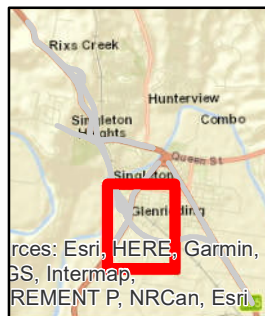


Singleton Bypass - Noise Contours With Noise Barrier - Design Year - Daytime

Free Field Sound Pressure Level, L_{Aeq} 15hr dBA

- 55
- 60
- 65

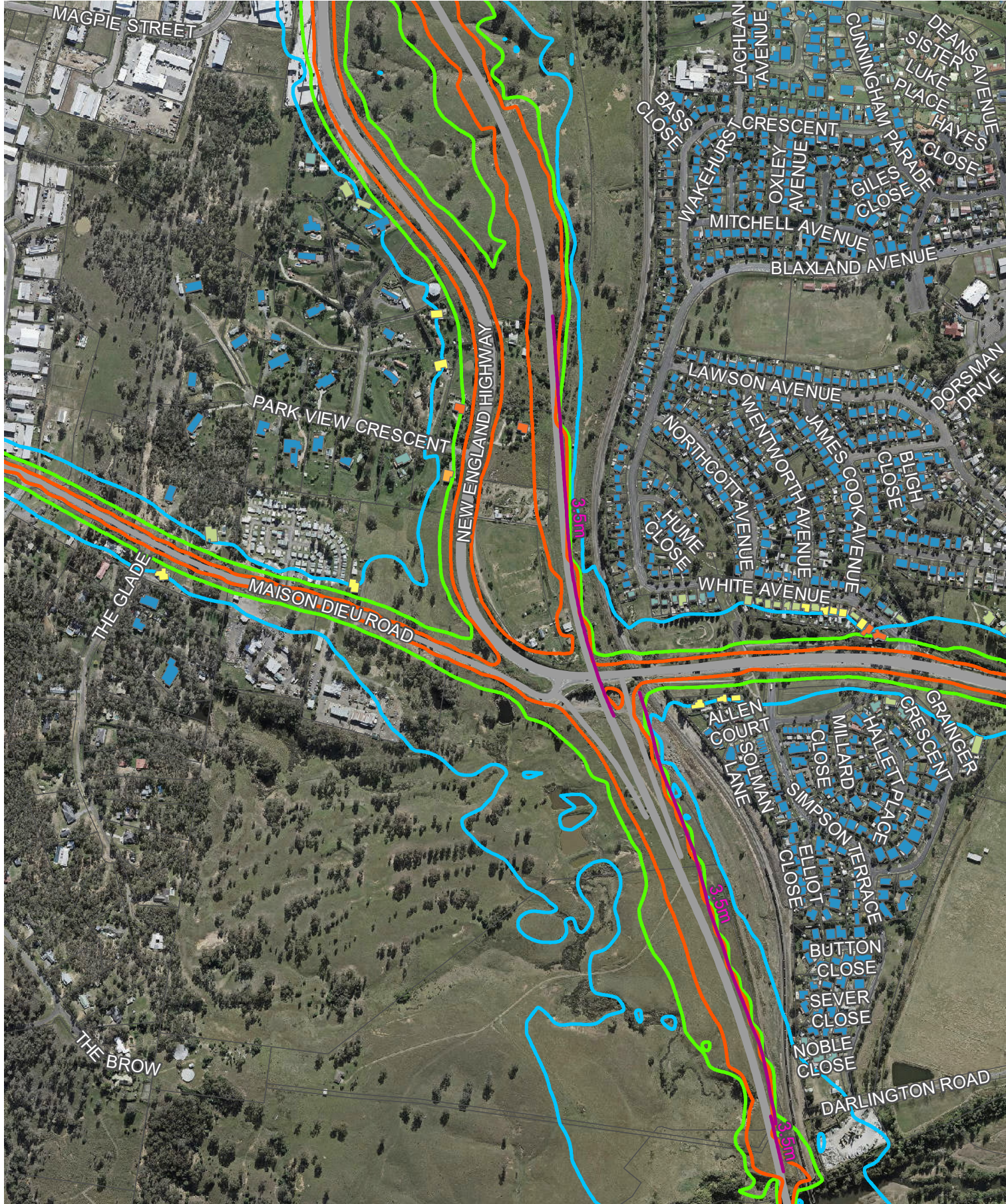
Facade Corrected Sound Pressure Level, L_{Aeq} 15hr dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020. (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

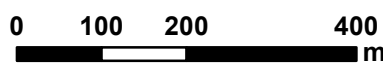
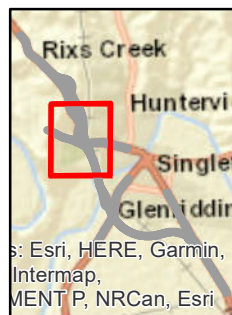


Singleton Bypass - Noise Contours With Noise Barrier - Design Year - Daytime

Free Field Sound Pressure Level, L_{Aeq} dBA

- 55
- 60
- 65

Facade Corrected Sound Pressure Level, L_{Aeq} dBA

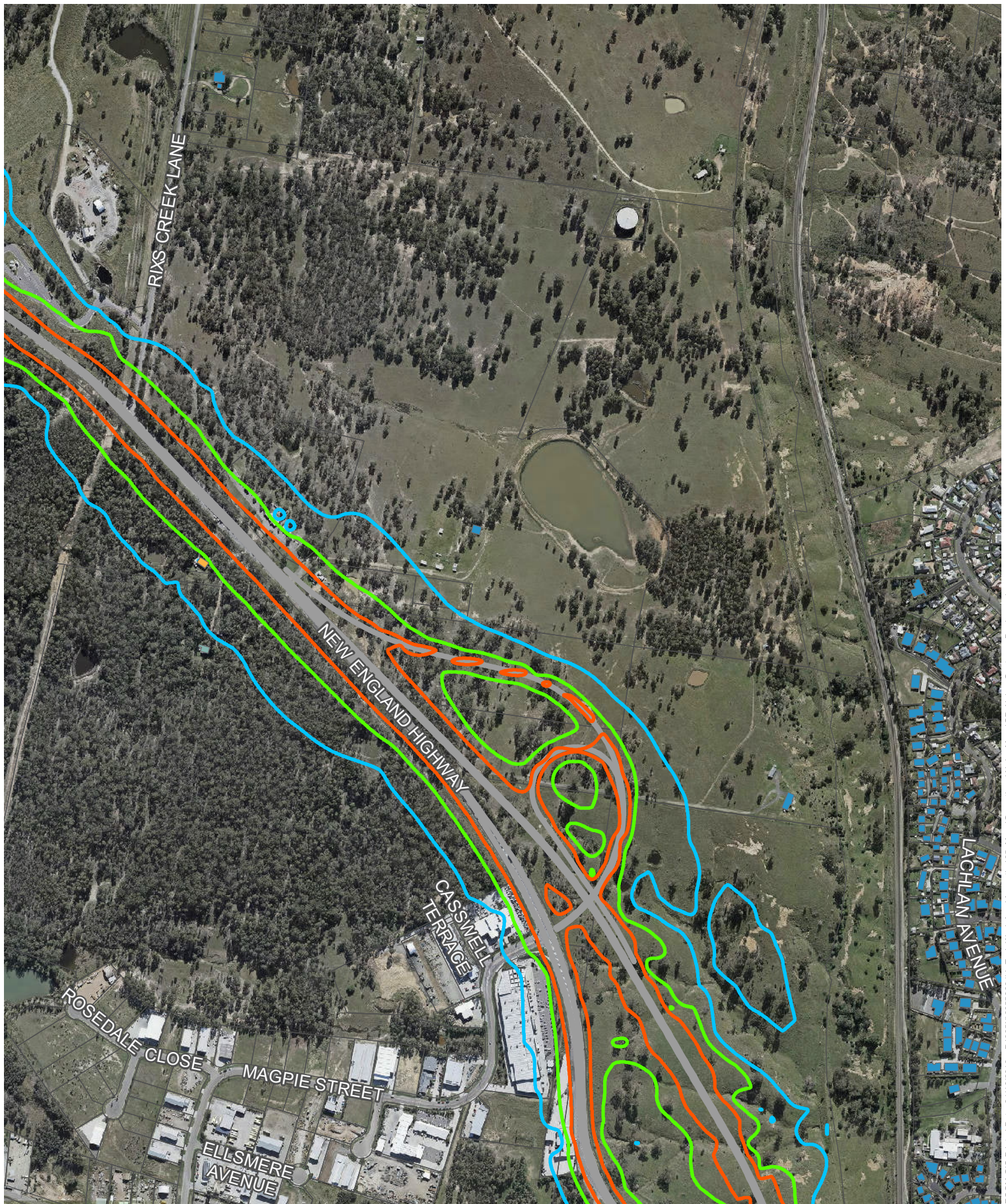


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

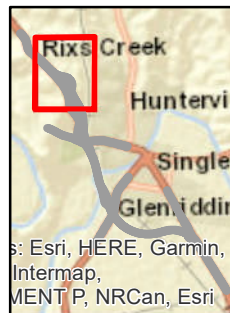


Singleton Bypass - Noise Contours With Noise Barrier - Design Year - Daytime

Free Field Sound Pressure Level, L_{Aeq} dBA

- 55
- 60
- 65

Facade Corrected Sound Pressure Level, L_{Aeq} dBA

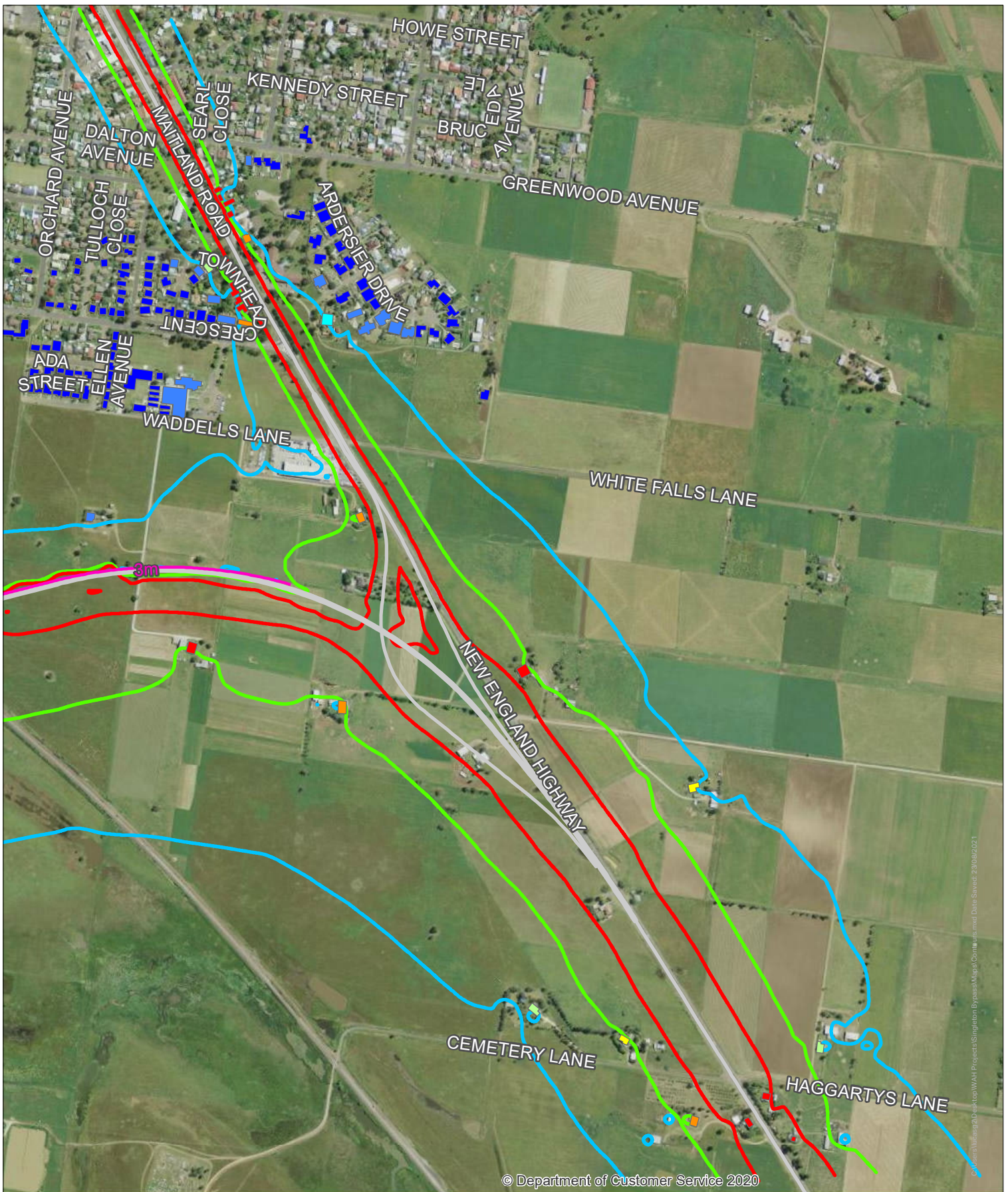


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
 © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

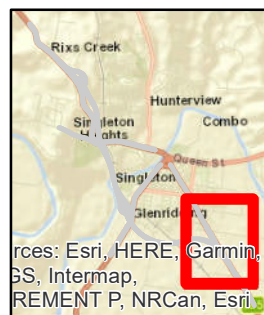


Singleton Bypass - Noise Contours With Noise Barrier - Design Year - Night-time

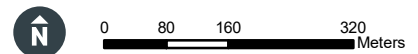
Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

Facade Corrected Sound Pressure Level, $L_{Aeq, 9hr}$ dBA



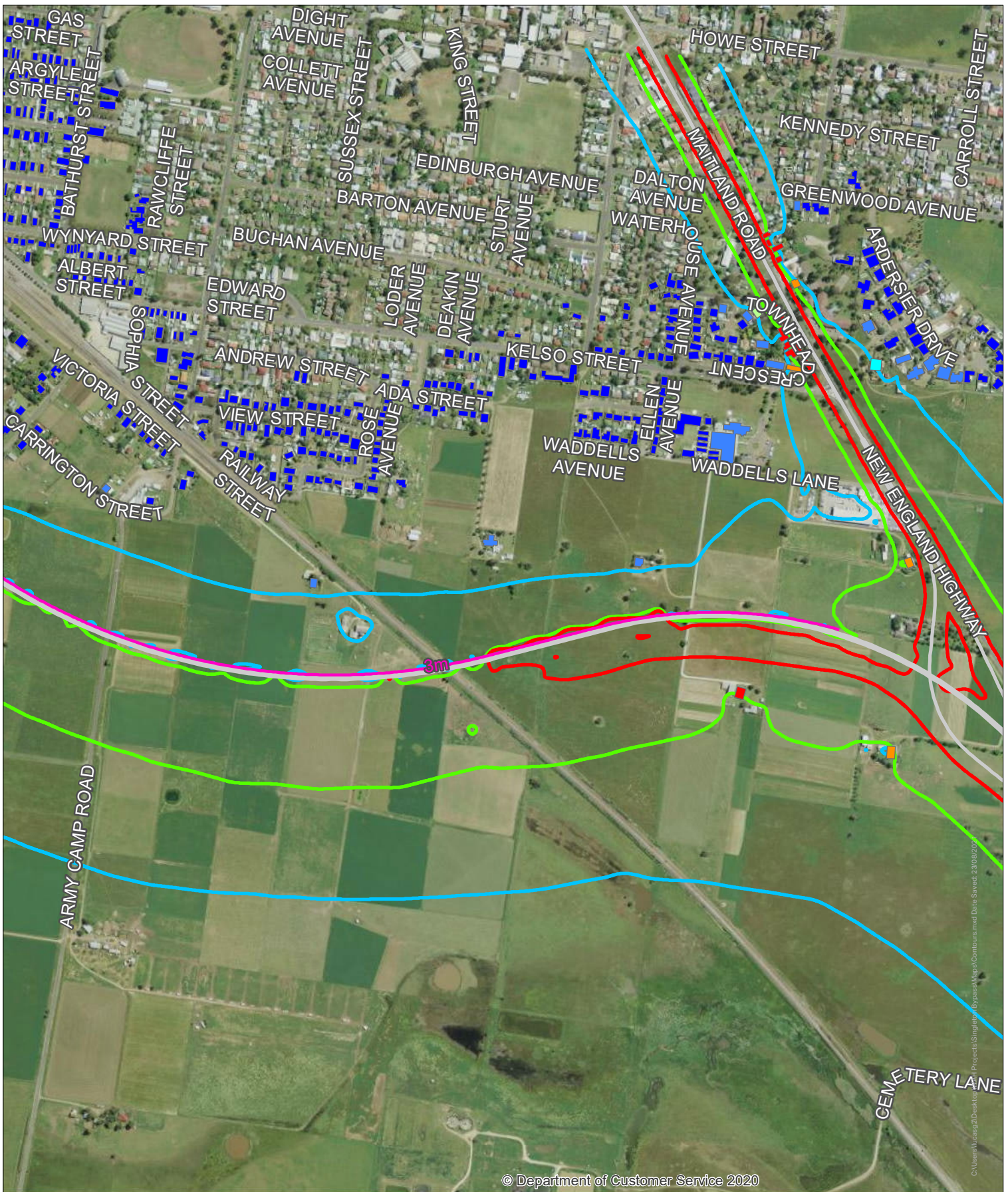
Sources: Esri, HERE, Garmin, IGN, Intermap, Swire, GEBCO, DELorme, Remont P, NRCAN, Esri



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020. (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/au/ga/code> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

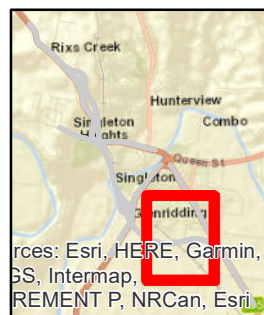
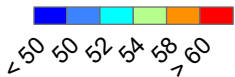


Singleton Bypass - Noise Contours With Noise Barrier - Design Year - Night-time

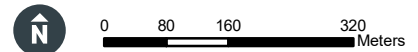
Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

Facade Corrected Sound Pressure Level, L_{Aeq} 9hr dBA



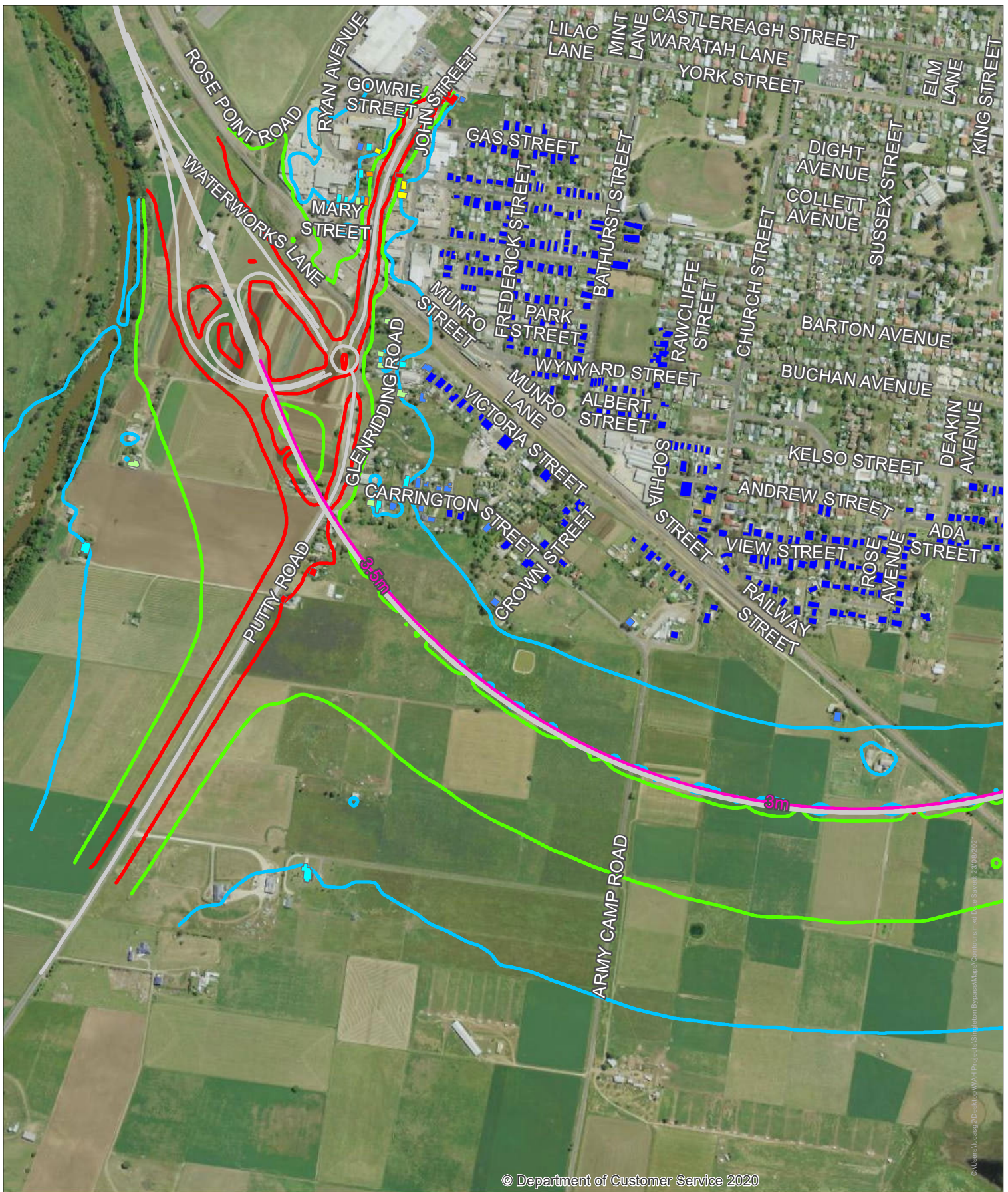
Sources: Esri, HERE, Garmin, IGN, Intermap, Swire, GEBCO, DELorme, Remont P, NRCAN, Esri



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020. (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/au/igalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Singleton Bypass - Noise Contours With Noise Barrier - Design Year - Night-time

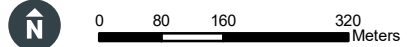
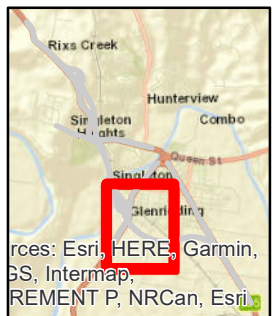
Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

Facade Corrected Sound Pressure Level, L_{Aeq} 9hr dBA



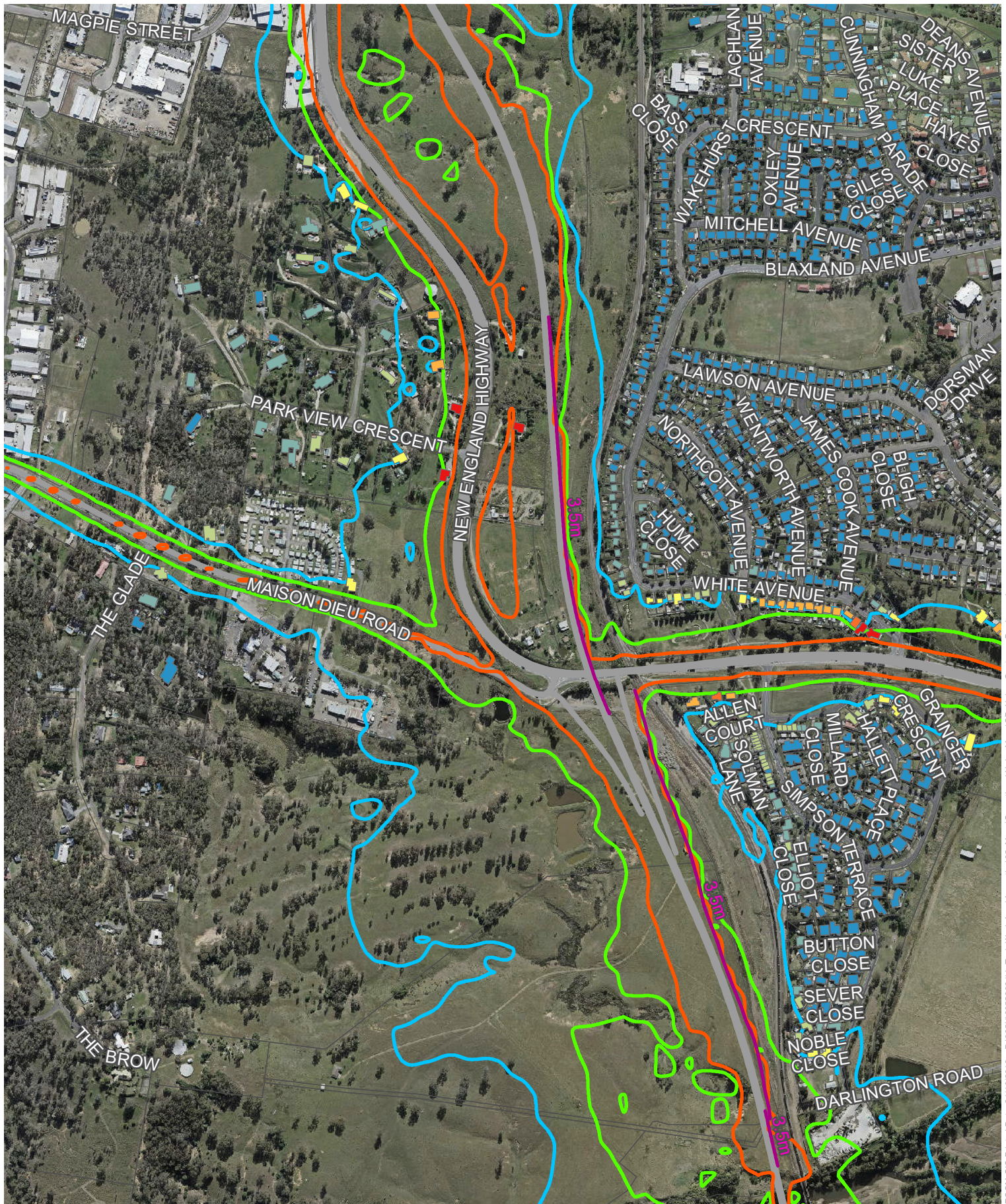
50 52 54 56 58 60



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

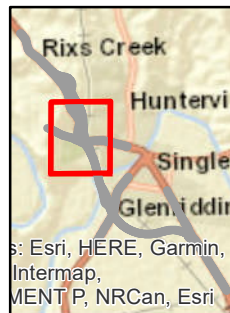


Singleton Bypass - Noise Contours With Noise Barrier - Design Year - Night-time

Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

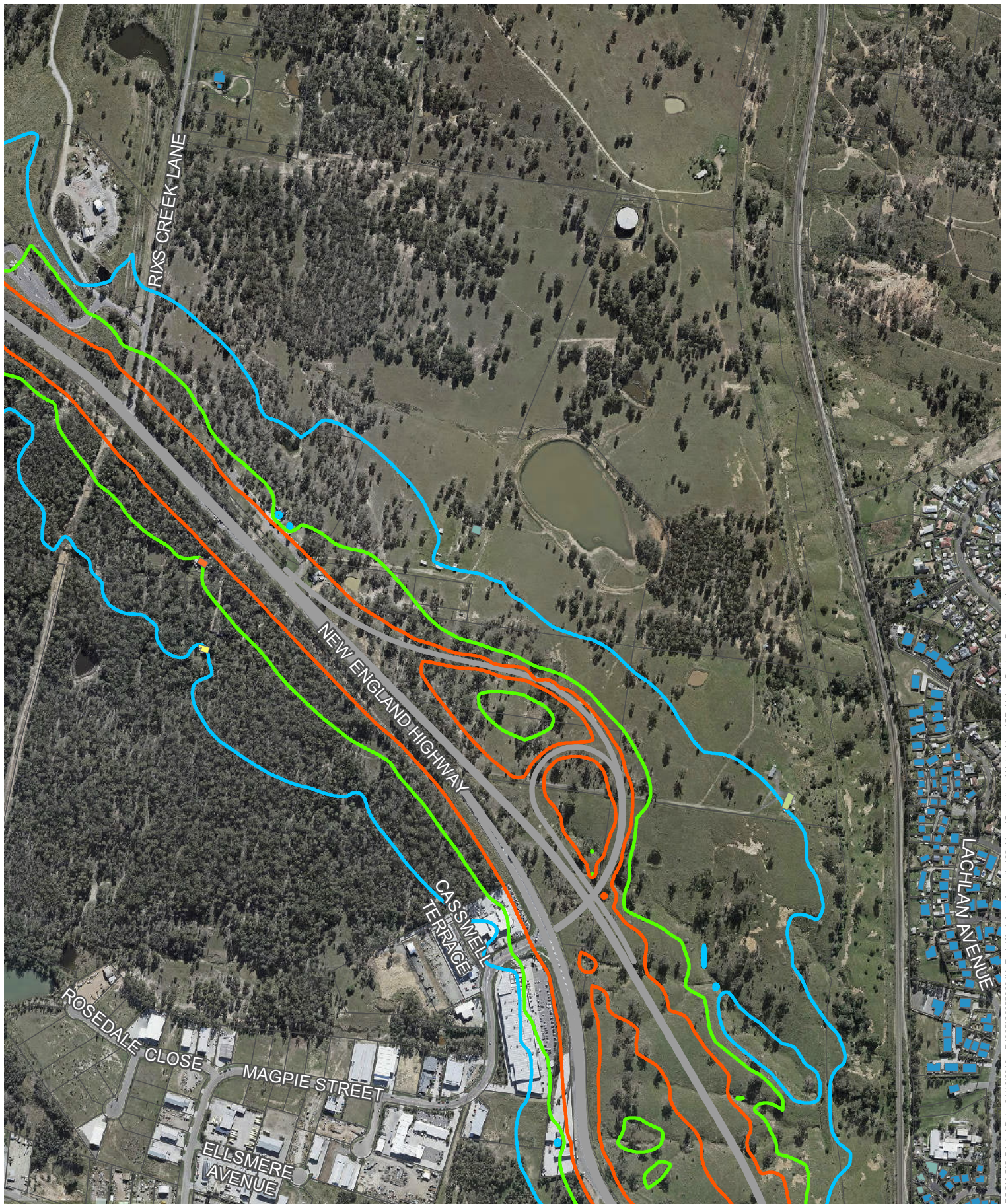
Facade Corrected Sound Pressure Level, L_{Aeq} dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

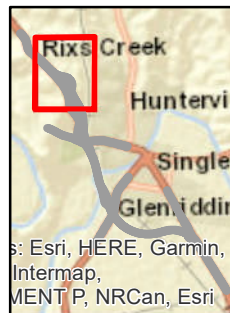


Singleton Bypass - Noise Contours With Noise Barrier - Design Year - Night-time

Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

Facade Corrected Sound Pressure Level, L_{Aeq} dBA



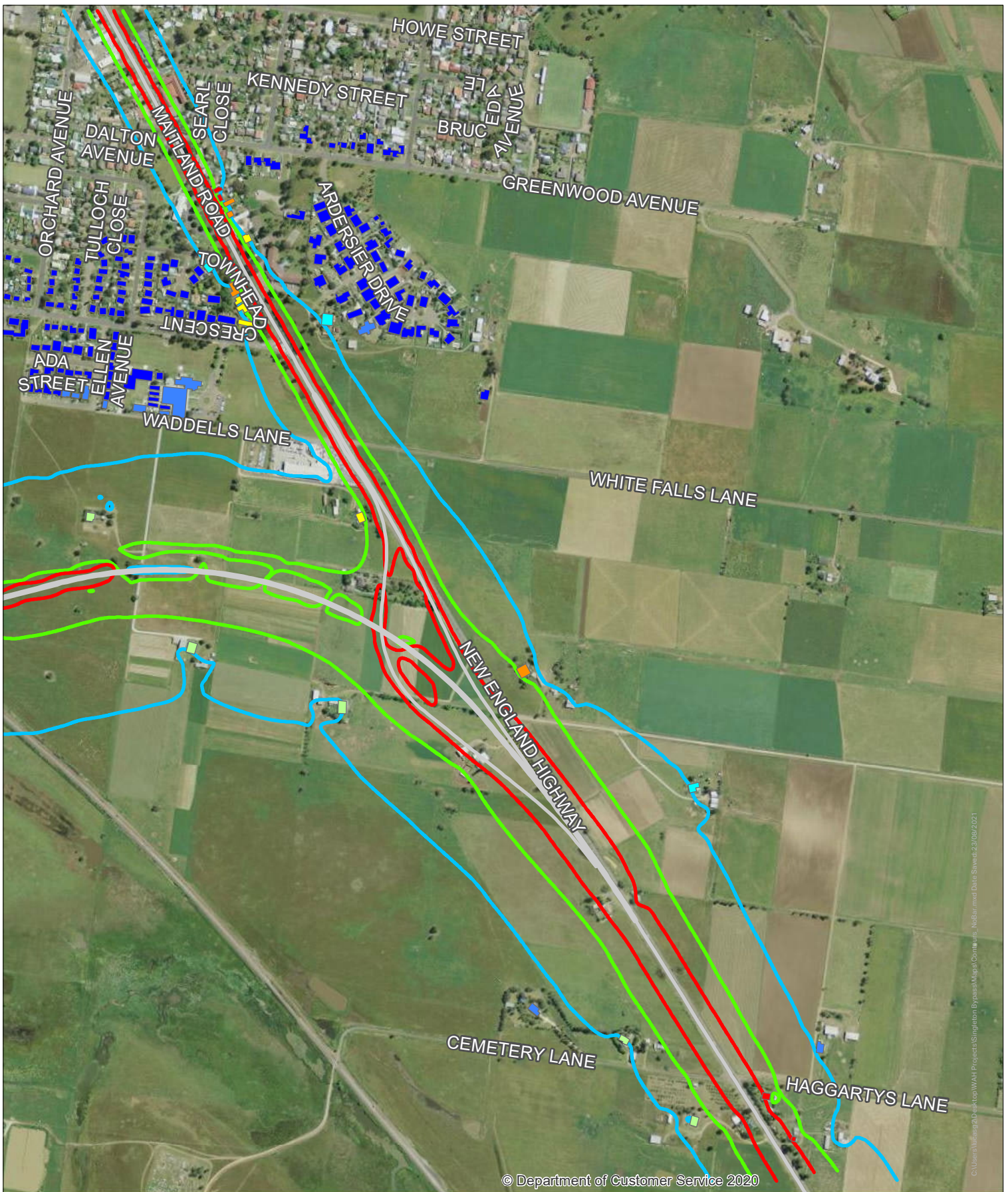
AECOM

Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



© Department of Customer Service 2020

C:\Users\hadesp2\Desktop\WAH Projects\Singleton Bypass\Mapa\Contours - NoBar.mxd Data_Shwed_23/09/2021

Singleton Bypass - Noise Contours - Year of Opening - Daytime

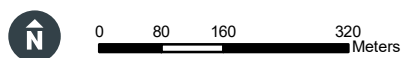
Free Field Sound Pressure Level, L_{Aeq} 15hr dBA

- 55
- 60
- 65

Facade Corrected Sound Pressure Level, L_{Aeq} 15hr dBA



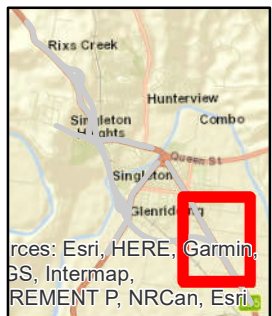
55 55 51 59 61 63 65



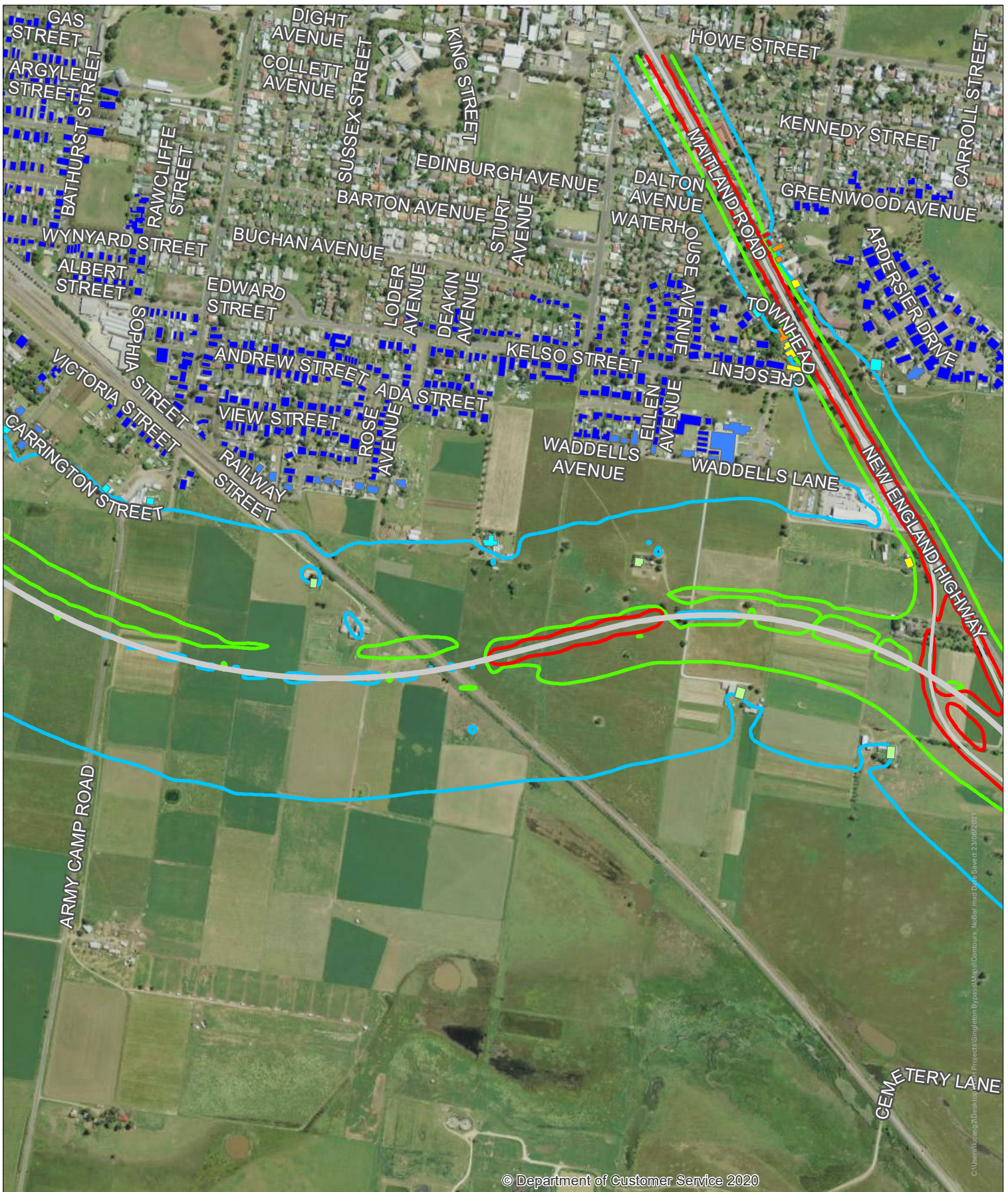
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/au/ga/code> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Sources: Esri, HERE, Garmin, IGN, Intermap, Swire, GEBCO, DELorme, Remont P, NRCAN, Esri



© Department of Customer Service 2020

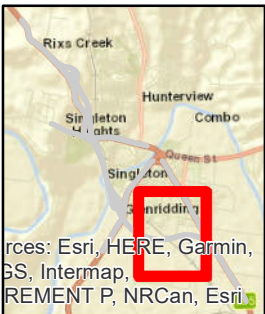
C:\Users\ludesp2\Desktop\topo\Project\Singleton\Bypass\Mapa\Contours_NoBar.mxd Date Saved: 23/09/2021

Singleton Bypass - Noise Contours - Year of Opening - Daytime

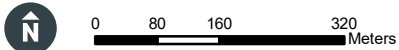
Free Field Sound Pressure Level, L_{Aeq} 15hr dBA

- 55
- 60
- 65

Facade Corrected Sound Pressure Level, L_{Aeq} 15hr dBA



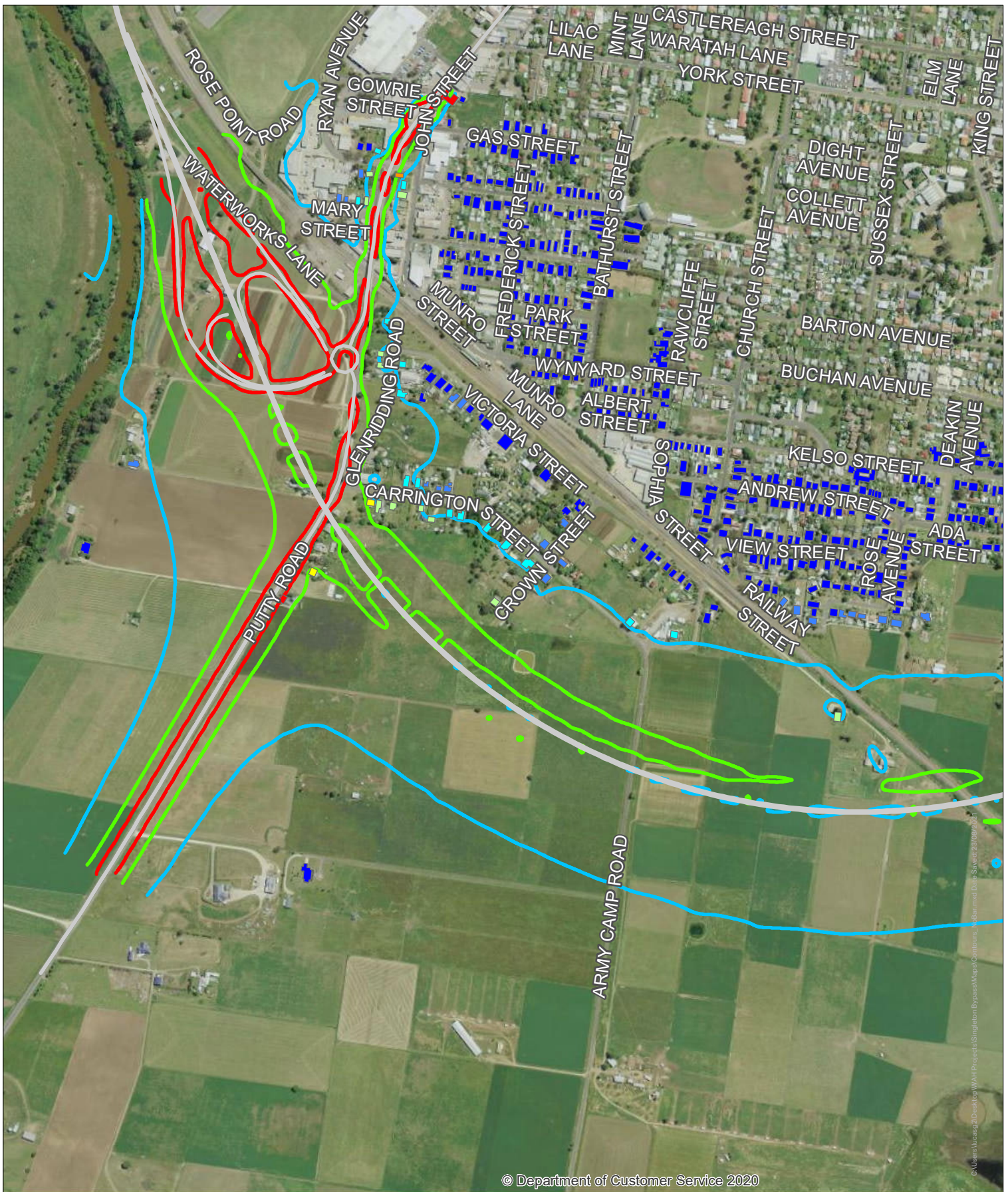
Sources: Esri, HERE, Garmin, IGN, Intermap, Swire, GEBCO, DELorme, Swire, NRCAN, Esri



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 4.0 Australia licence © Department of Customer Service 2020. (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/au/igalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

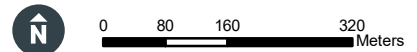
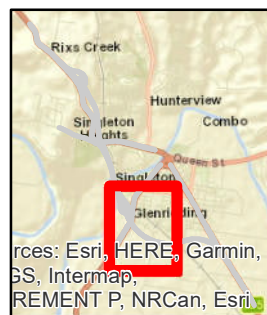


Singleton Bypass - Noise Contours - Year of Opening - Daytime

Free Field Sound Pressure Level, L_{Aeq} 15hr dBA

- 55
- 60
- 65

Facade Corrected Sound Pressure Level, L_{Aeq} 15hr dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/> (Copyright Licence).

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

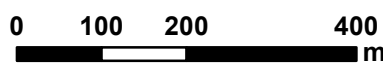
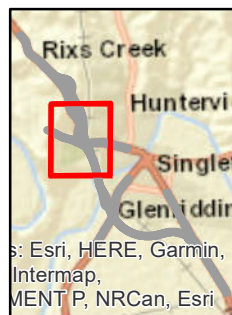


Singleton Bypass - Noise Contours - Year of Opening - Daytime

Free Field Sound Pressure Level, L_{Aeq} dBA

- 55
- 60
- 65

Facade Corrected Sound Pressure Level, L_{Aeq} dBA

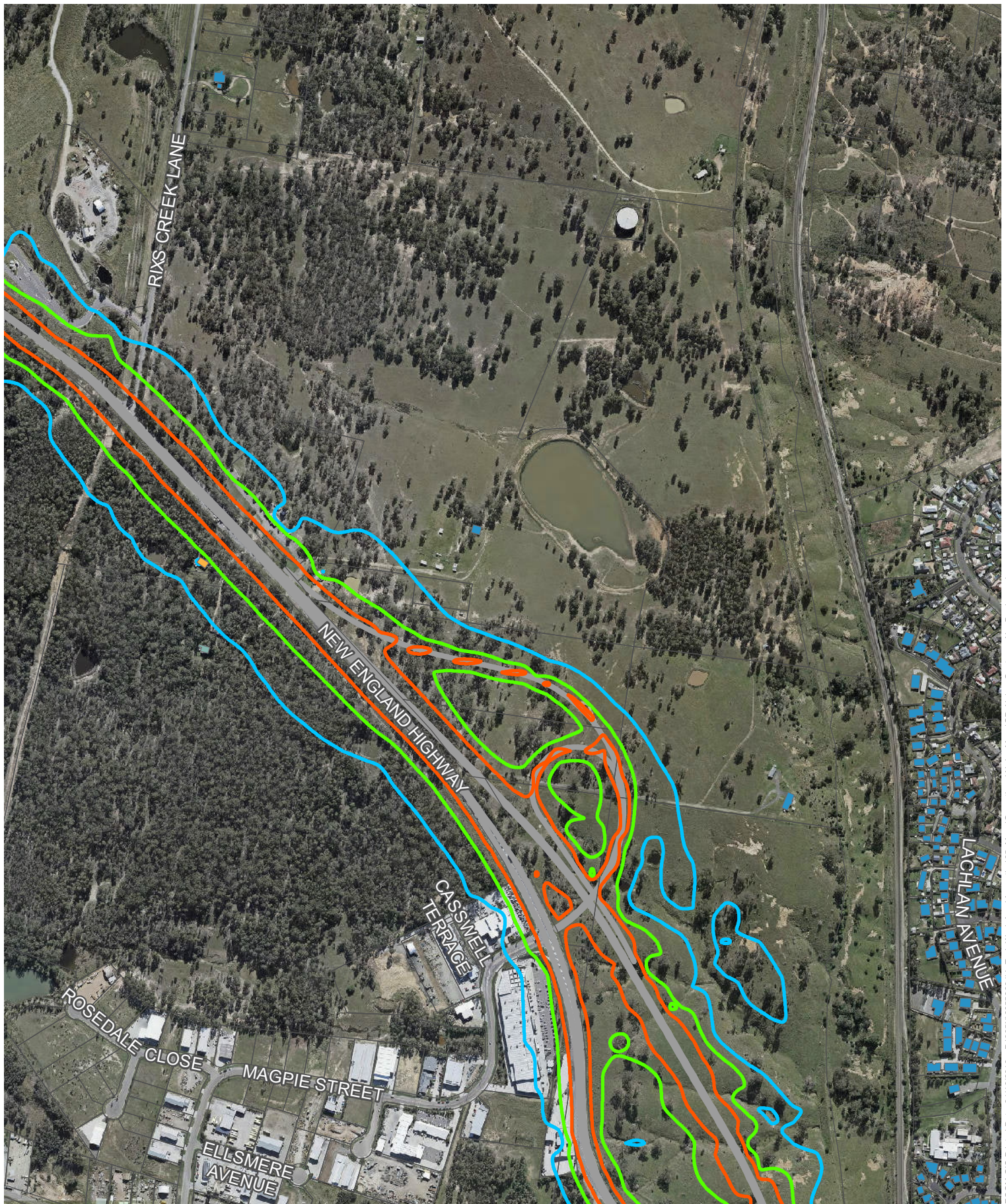


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

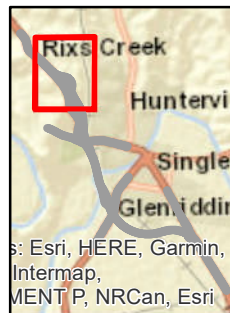


Singleton Bypass - Noise Contours - Year of Opening - Daytime

Free Field Sound Pressure Level, L_{Aeq} dBA

- 55
- 60
- 65

Facade Corrected Sound Pressure Level, L_{Aeq} dBA

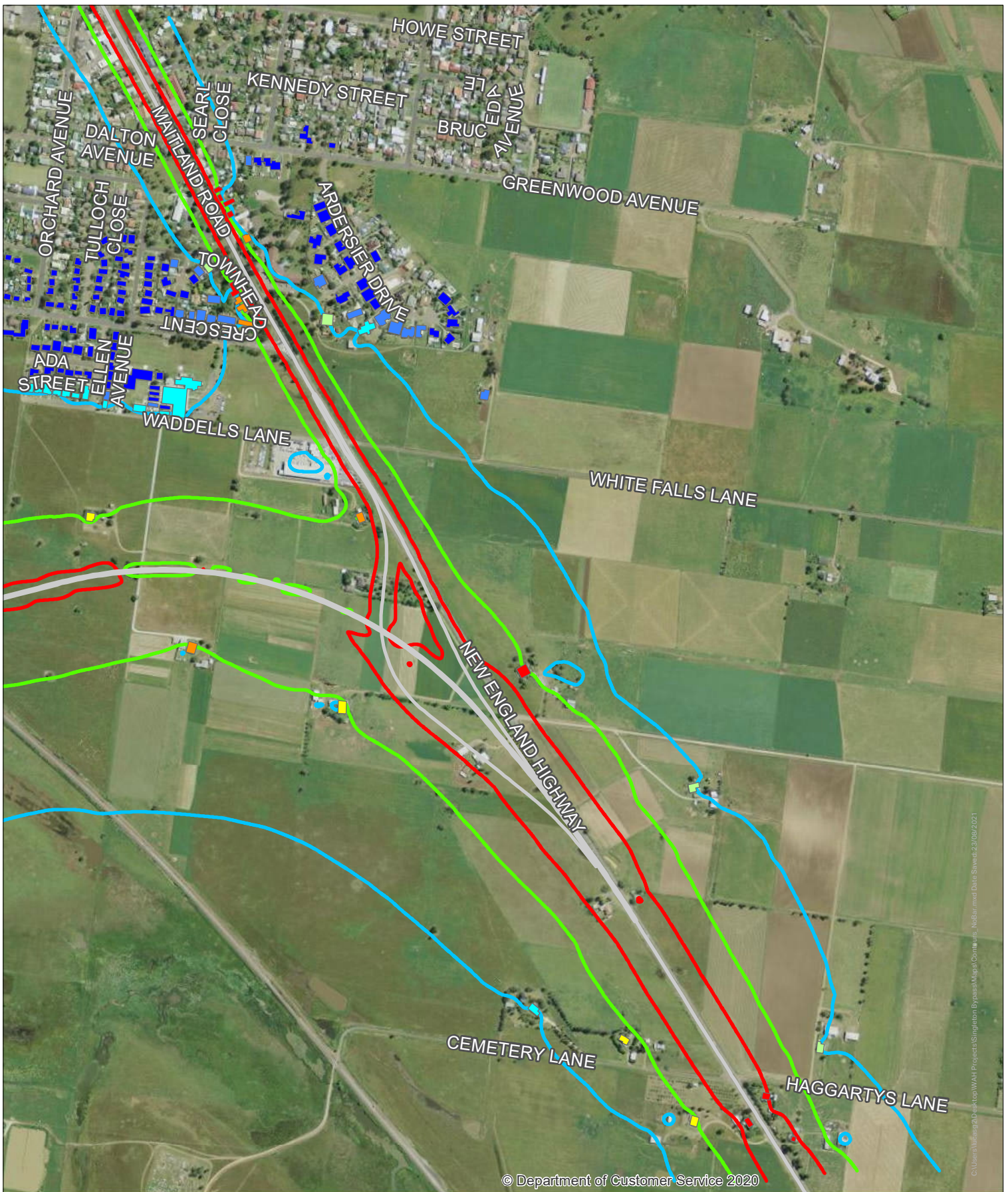


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



© Department of Customer Service 2020

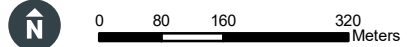
C:\Users\hadesp2\Desktop\WAH Projects\Singleton Bypass\Mapa\Contours - NoBar.mxd Data_Shwat_23/09/2021

Singleton Bypass - Noise Contours - Year of Opening - Night-time

Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

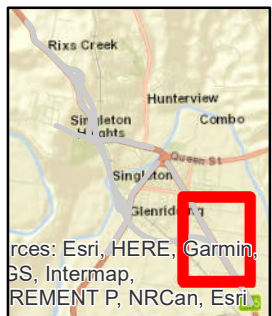
Facade Corrected Sound Pressure Level, L_{Aeq} 9hr dBA



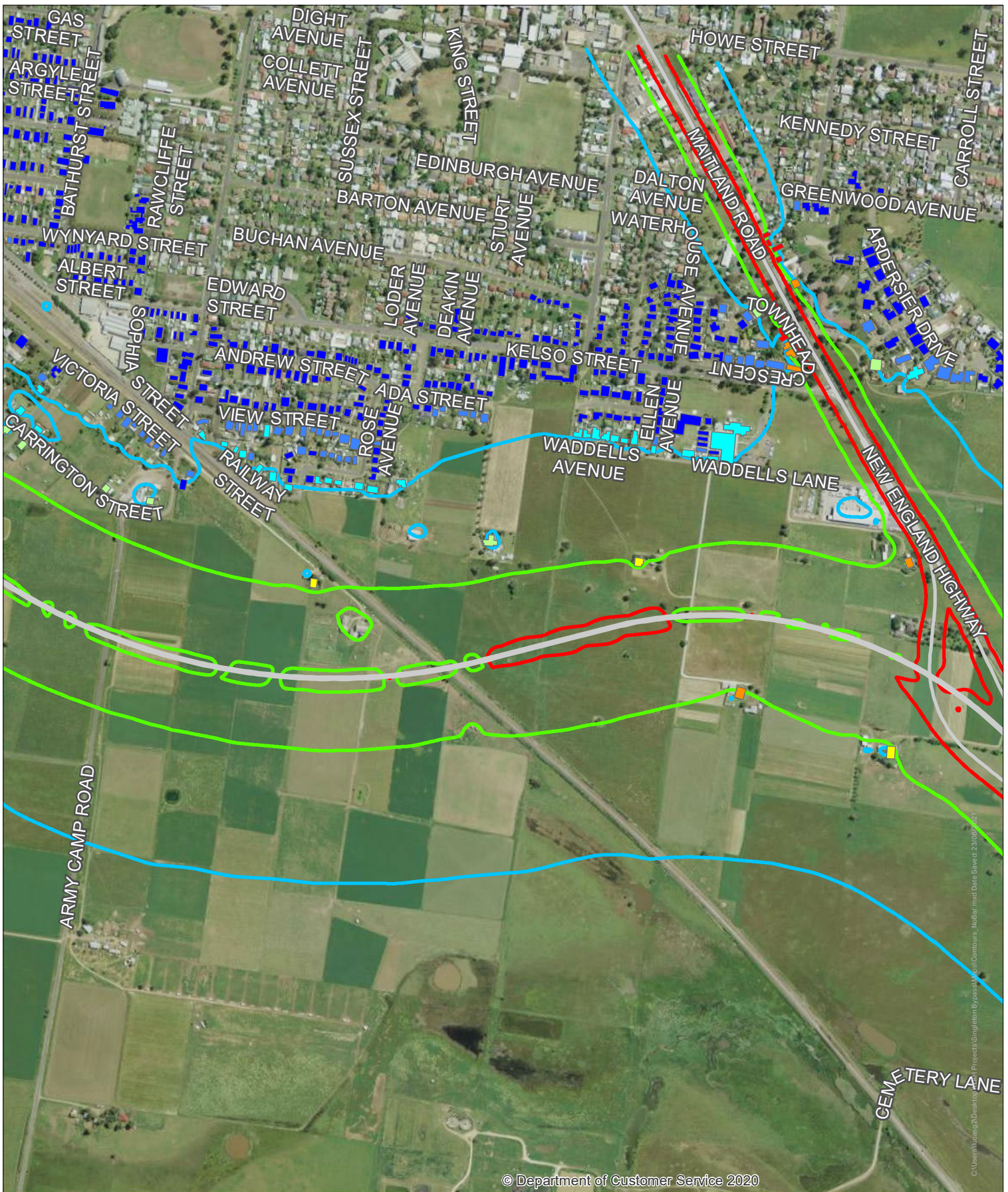
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020. (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/au/gcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Sources: Esri, HERE, Garmin, IGN, Intermap, NRCAN, Esri

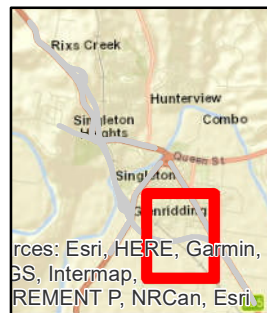
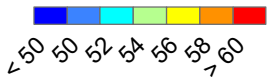


Singleton Bypass - Noise Contours - Year of Opening - Night-time

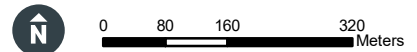
Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

Facade Corrected Sound Pressure Level, L_{Aeq} 9hr dBA



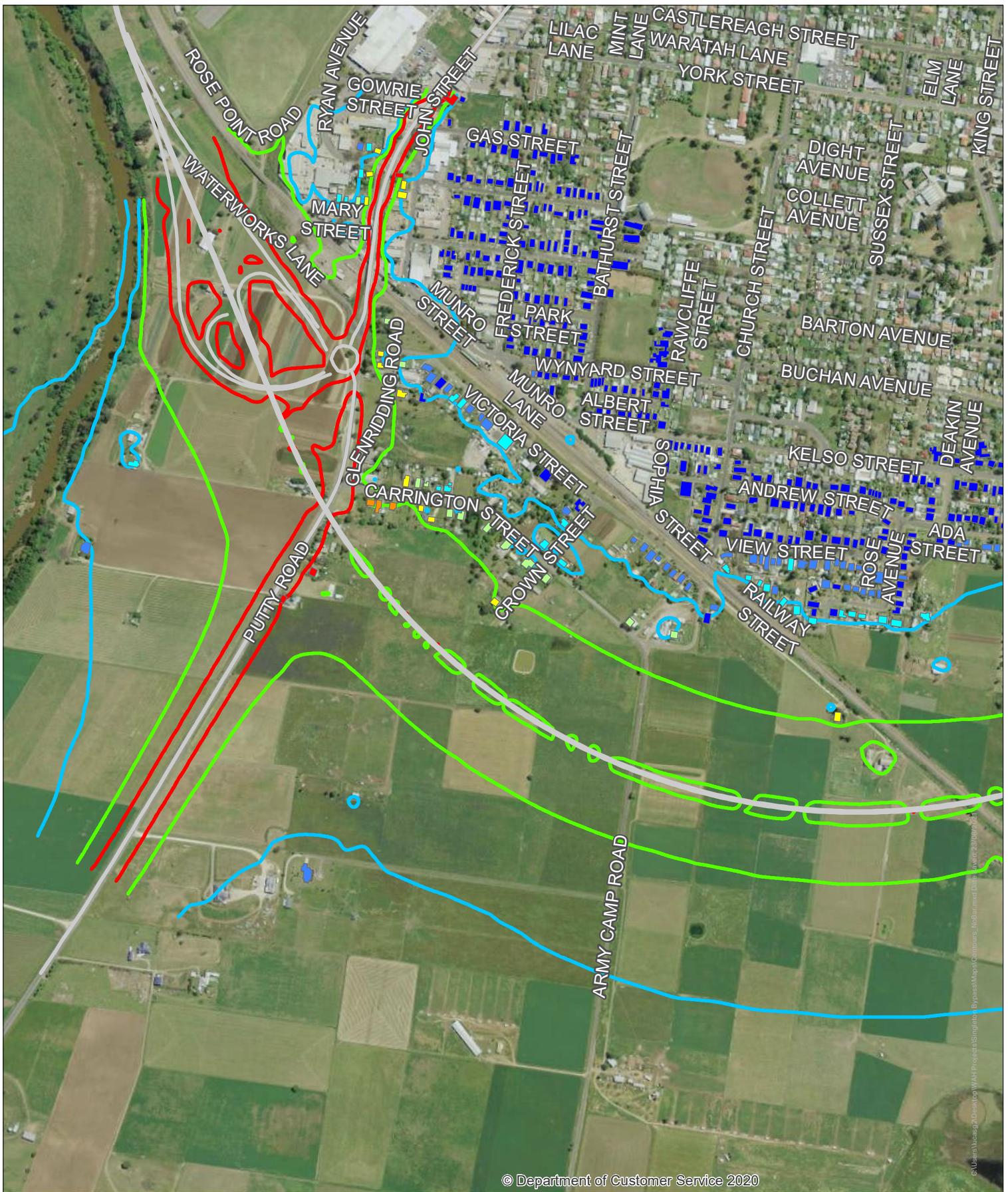
Sources: Esri, HERE, Garmin, IGN, Intermap, Swire, GEBCO, DELorme, Swire, NRCAN, Esri



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 4.0 Australia licence © Department of Customer Service 2020. (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/au/igalcode> (Copyright Licence).

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



© Department of Customer Service 2020

© Utagas/luccap2/Desktop/WAHT/Projects/Singleton/Bypass/Mapa/Camours_NaBar.mxd Date: 23/08/2021

Singleton Bypass - Noise Contours - Year of Opening - Night-time

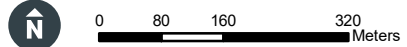
Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

Facade Corrected Sound Pressure Level, L_{Aeq} 9hr dBA



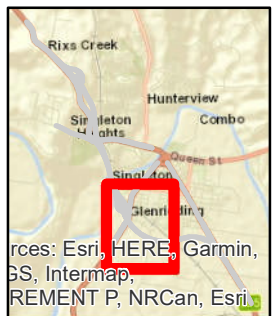
50 52 54 56 58 60



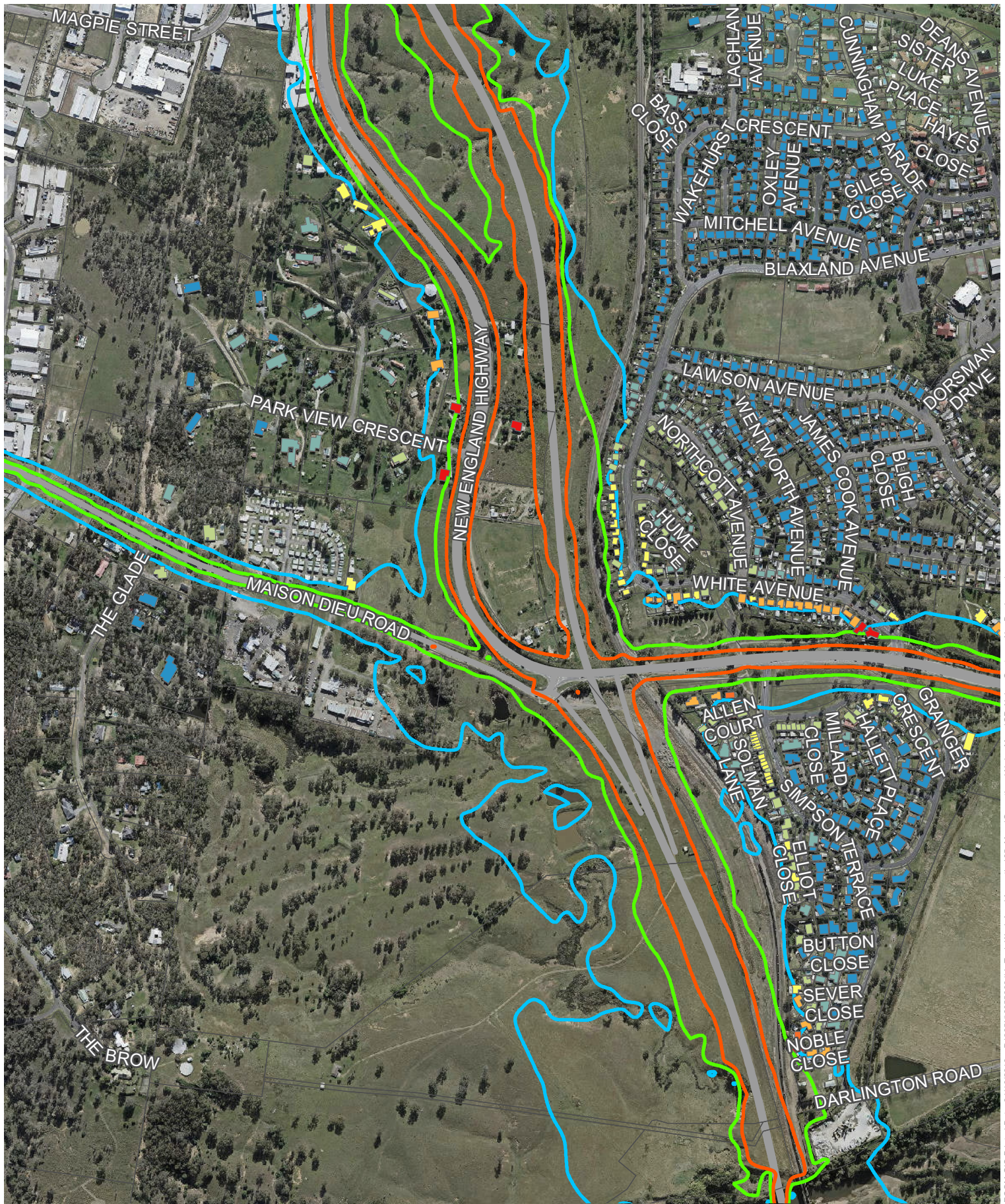
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020. (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Sources: Esri, HERE, Garmin, BS, Intermap, REMENT P, NRCAN, Esri

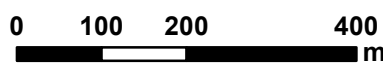
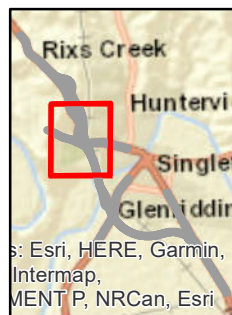


Singleton Bypass - Noise Contours - Year of Opening - Night-time

Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

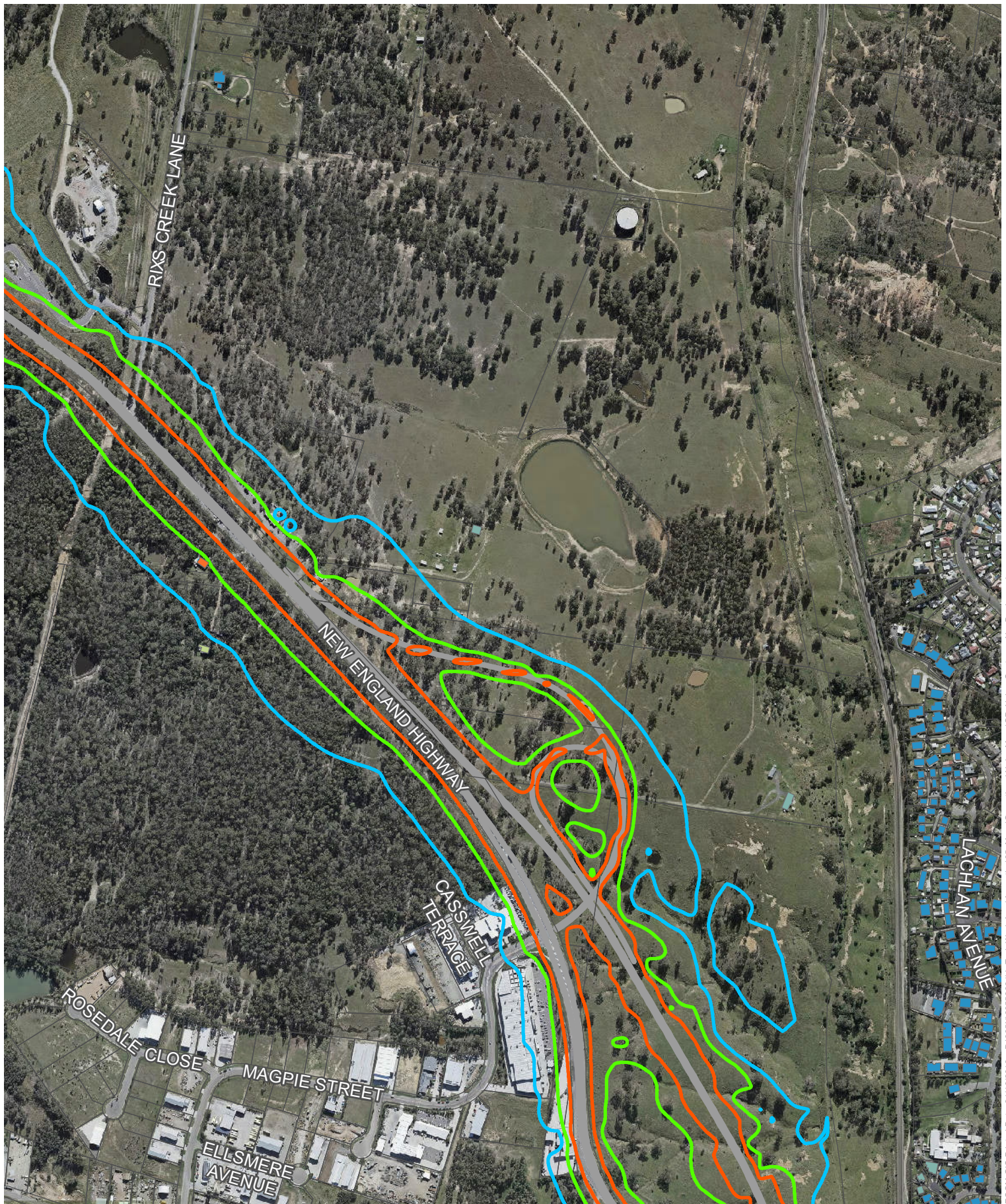
Facade Corrected Sound Pressure Level, L_{Aeq} dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

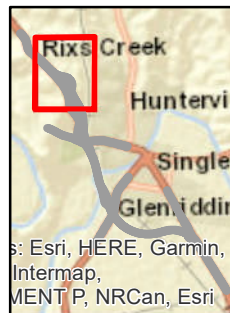


Singleton Bypass - Noise Contours - Year of Opening - Night-time

Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

Facade Corrected Sound Pressure Level, L_{Aeq} dBA

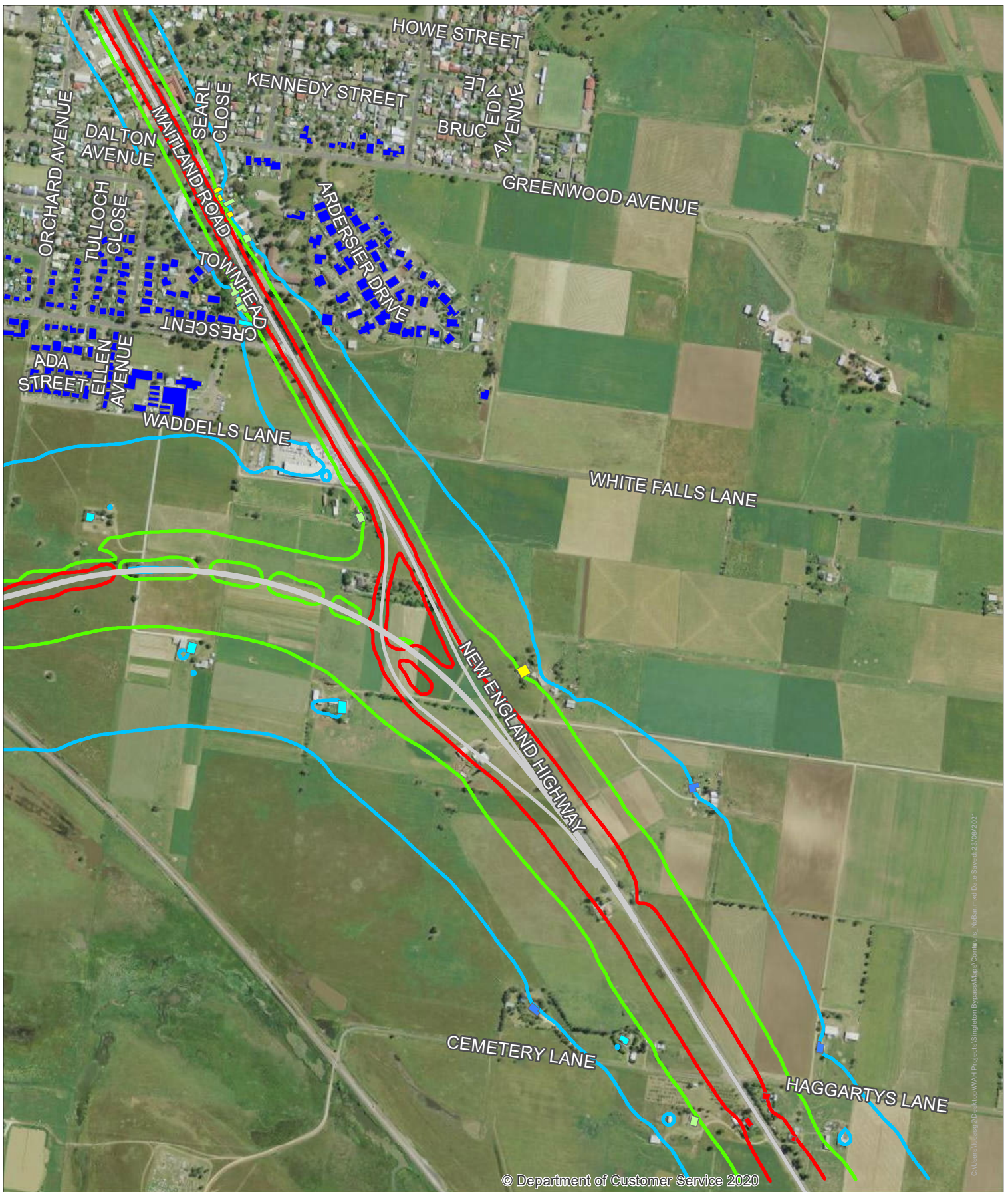


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



© Department of Customer Service 2020

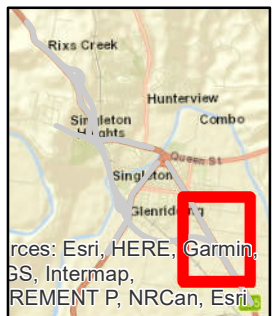
C:\Users\hadesp2\Desktop\WAH Projects\Singleton Bypass\Mapa\Contours - NoBar.mxd Data_Shwed_23/09/2021

Singleton Bypass - Noise Contours - Design Year - Daytime

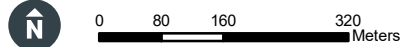
Free Field Sound Pressure Level, L_{Aeq} 15hr dBA

- 55
- 60
- 65

Facade Corrected Sound Pressure Level, L_{Aeq} 15hr dBA



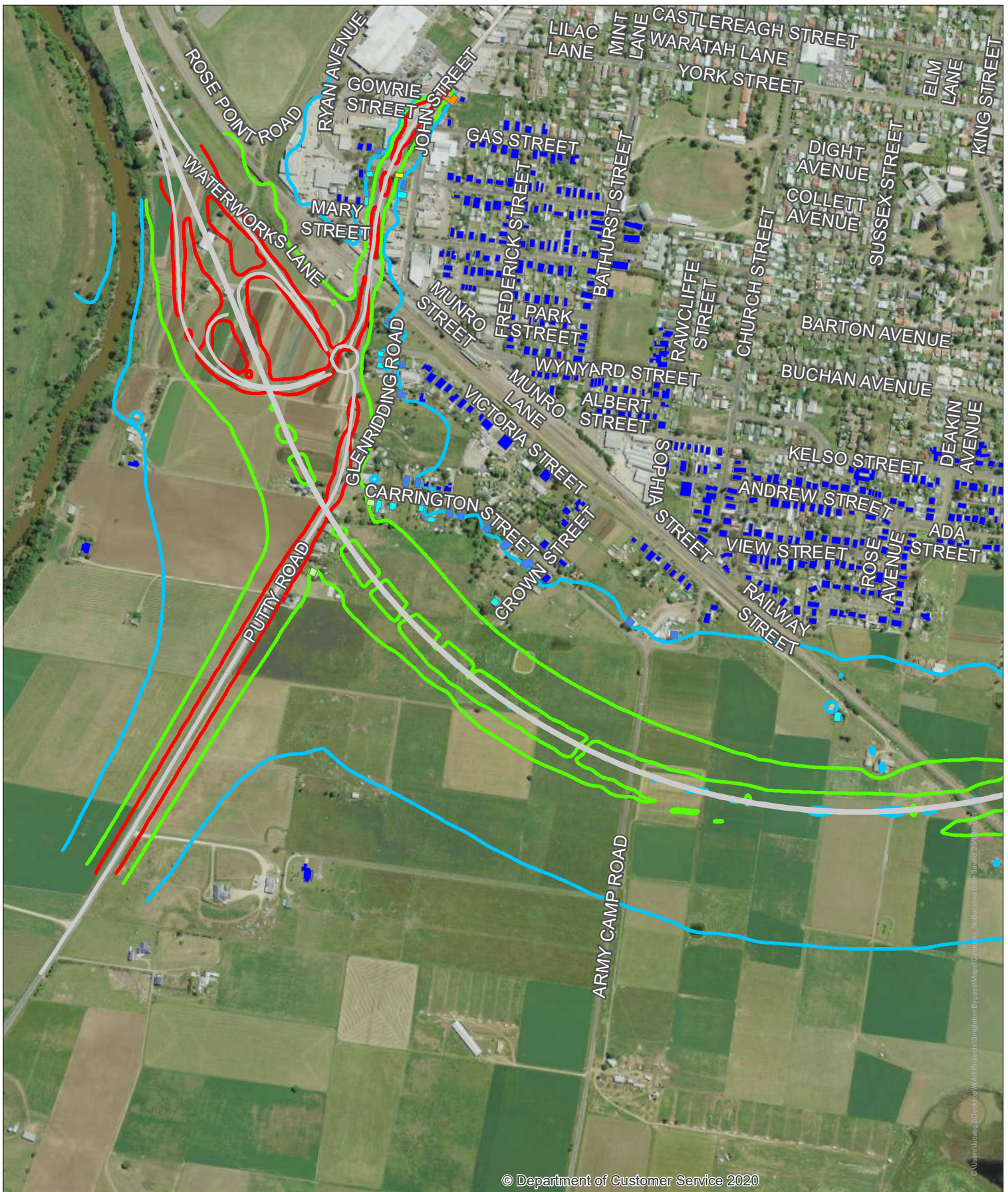
Sources: Esri, HERE, Garmin, IGN, Intermap, Swire, GEBCO, DELorme, Remont P, NRCAN, Esri



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020. (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/au/gcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Singleton Bypass - Noise Contours - Design Year - Daytime

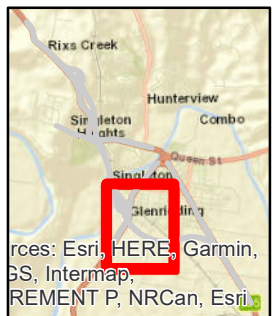
Free Field Sound Pressure Level, L_{Aeq} 15hr dBA

- 55
- 60
- 65

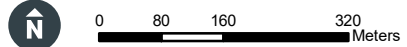
Facade Corrected Sound Pressure Level, L_{Aeq} 15hr dBA



55 55 51 59 61 63 65



Sources: Esri, HERE, Garmin, BS, Intermap, REMENT P, NRCAN, Esri



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020. (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

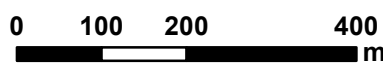
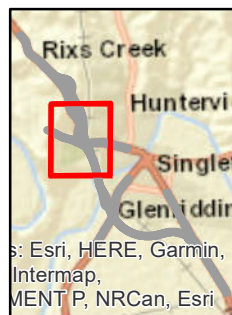


Singleton Bypass - Noise Contours - Design Year - Daytime

Free Field Sound Pressure Level, L_{Aeq} dBA

- 55
- 60
- 65

Facade Corrected Sound Pressure Level, L_{Aeq} dBA

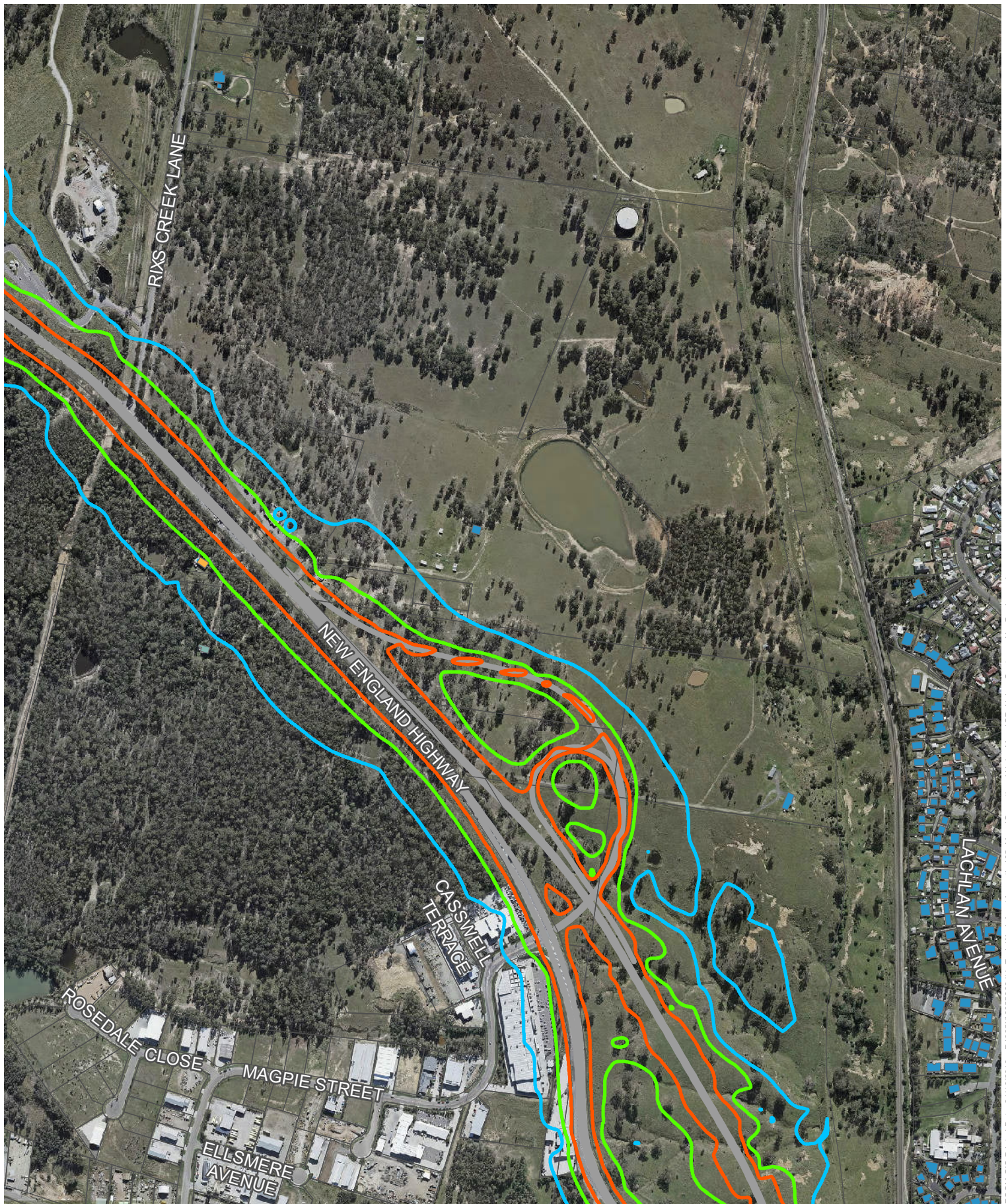


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

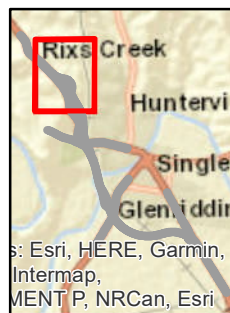


Singleton Bypass - Noise Contours - Design Year - Daytime

Free Field Sound Pressure Level, L_{Aeq} dBA

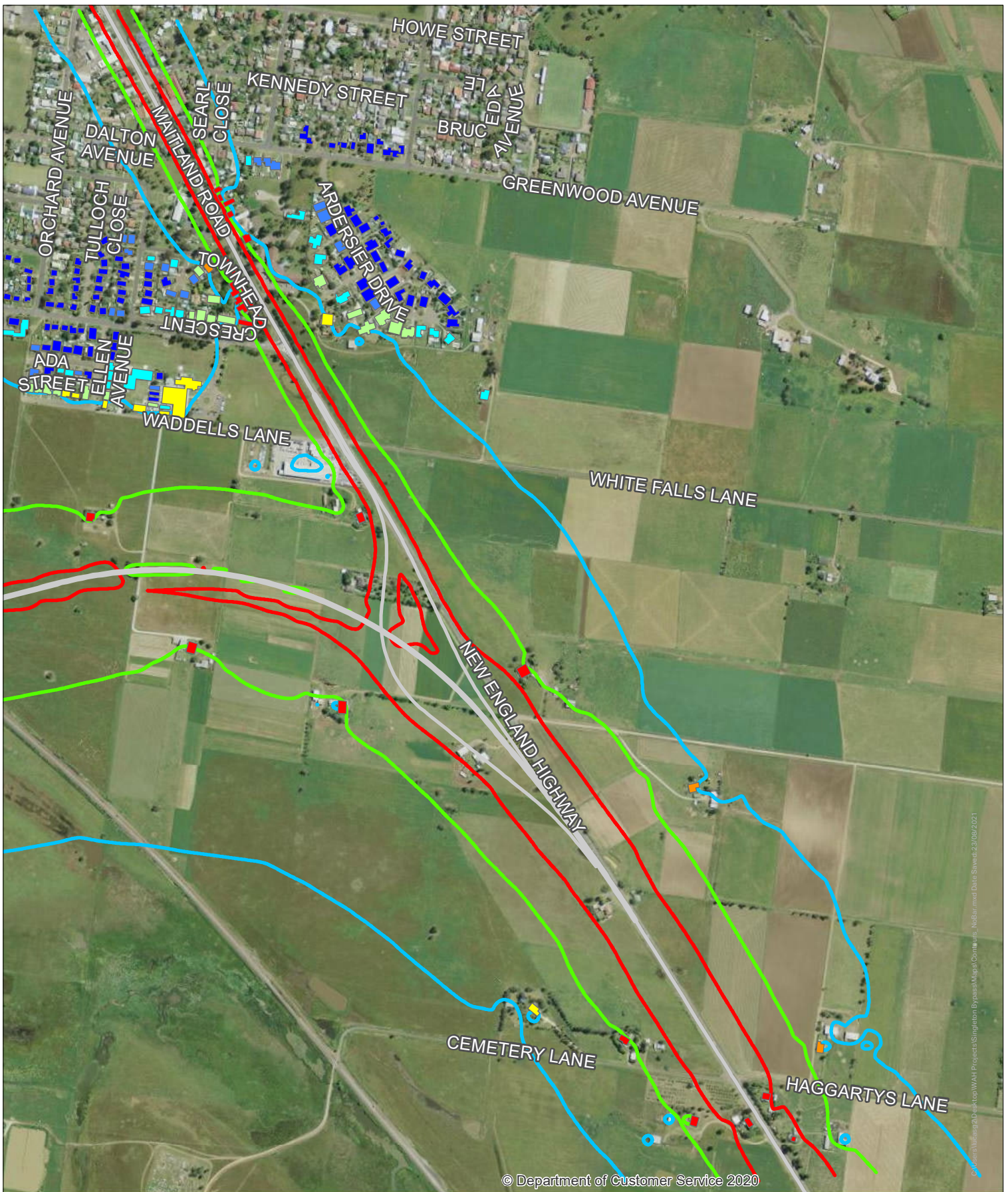
- 55
- 60
- 65

Facade Corrected Sound Pressure Level, L_{Aeq} dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
 © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)
 Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).
 AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



© Department of Customer Service 2020

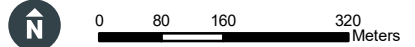
C:\Users\studiesp2\Desktop\WAH Projects\Singleton Bypass\Mapa\Contours - NoBar.mxd Data_Shwatd_23/09/2021

Singleton Bypass - Noise Contours - Design Year - Night-time

Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

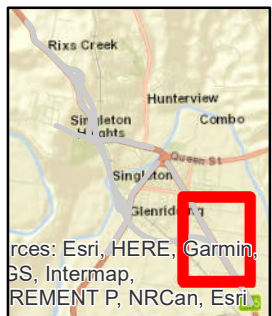
Facade Corrected Sound Pressure Level, L_{Aeq} 9hr dBA



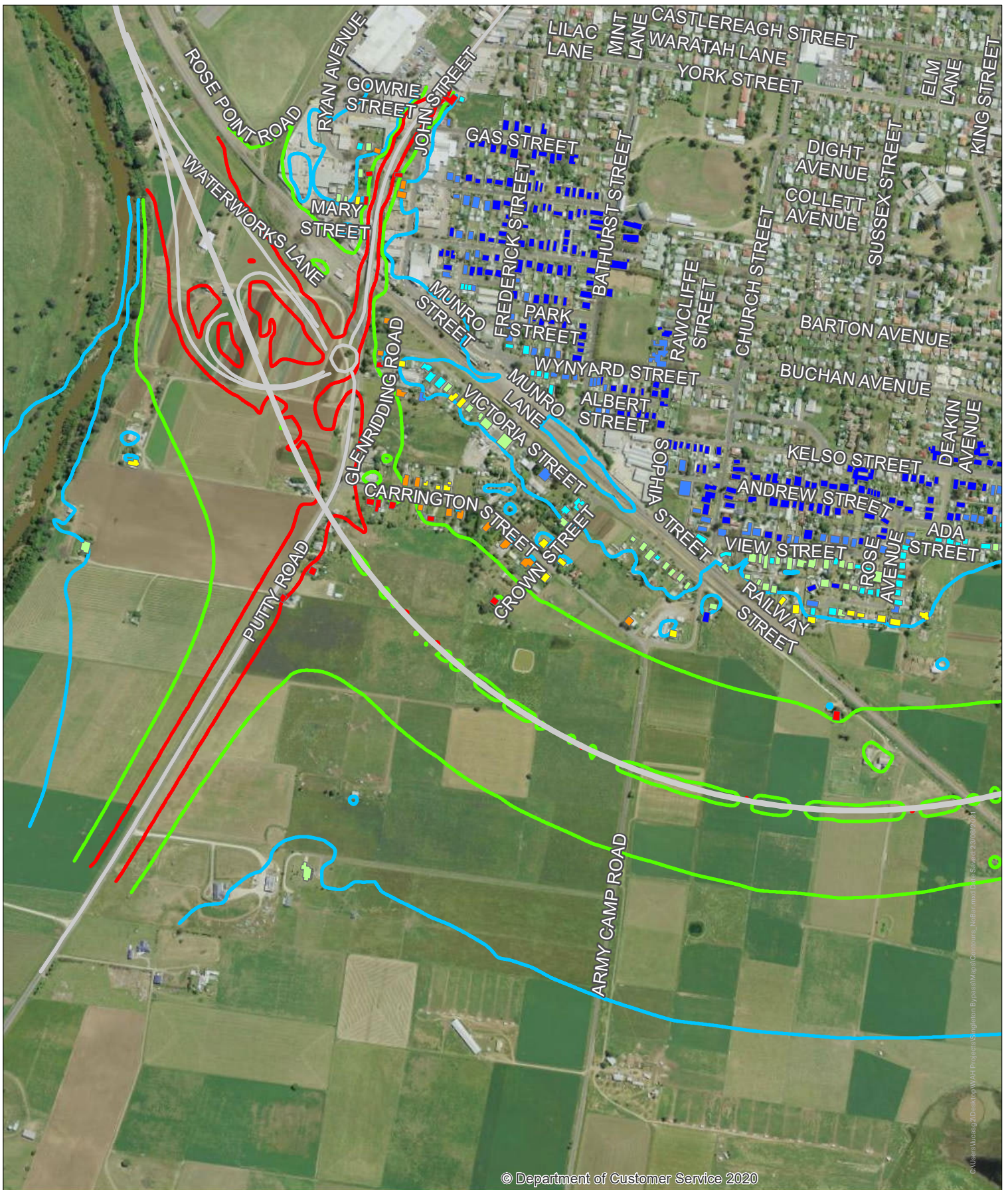
Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020. (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/au/ga/code> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Sources: Esri, HERE, Garmin, IGN, Intermap, NRCAN, Esri

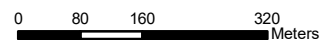
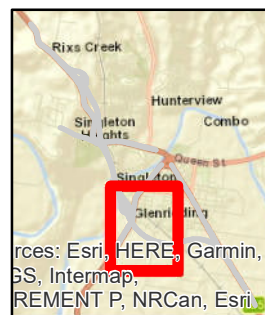
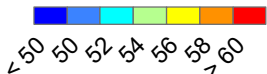


Singleton Bypass - Noise Contours - Design Year - Night-time

Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

Facade Corrected Sound Pressure Level, L_{Aeq} 9hr dBA

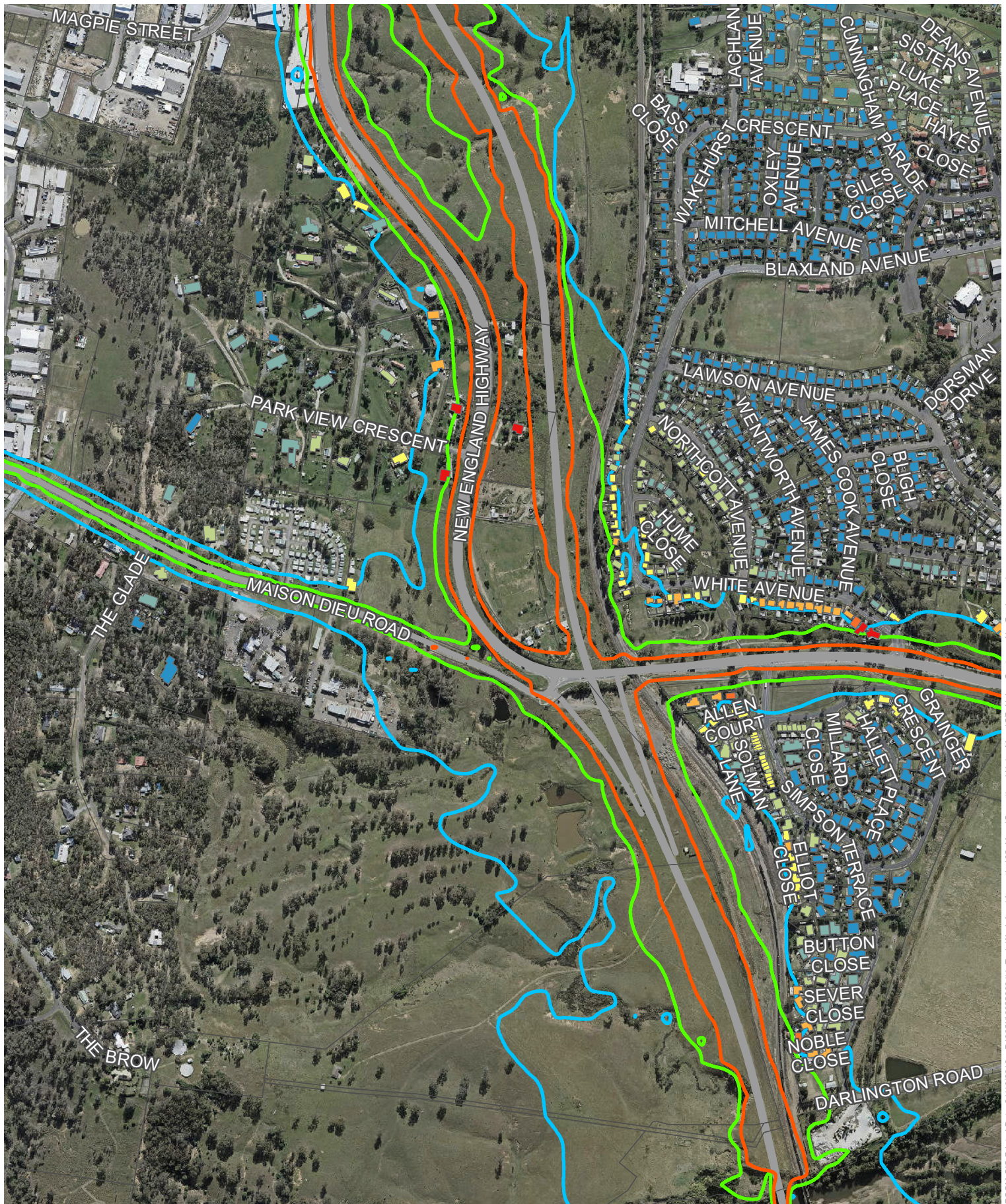


Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020. (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/> (Copyright Licence).

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



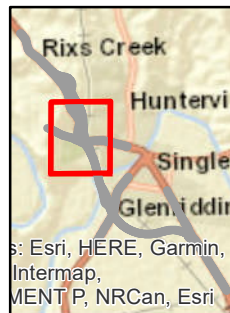


Singleton Bypass - Noise Contours - Design Year - Night-time

Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

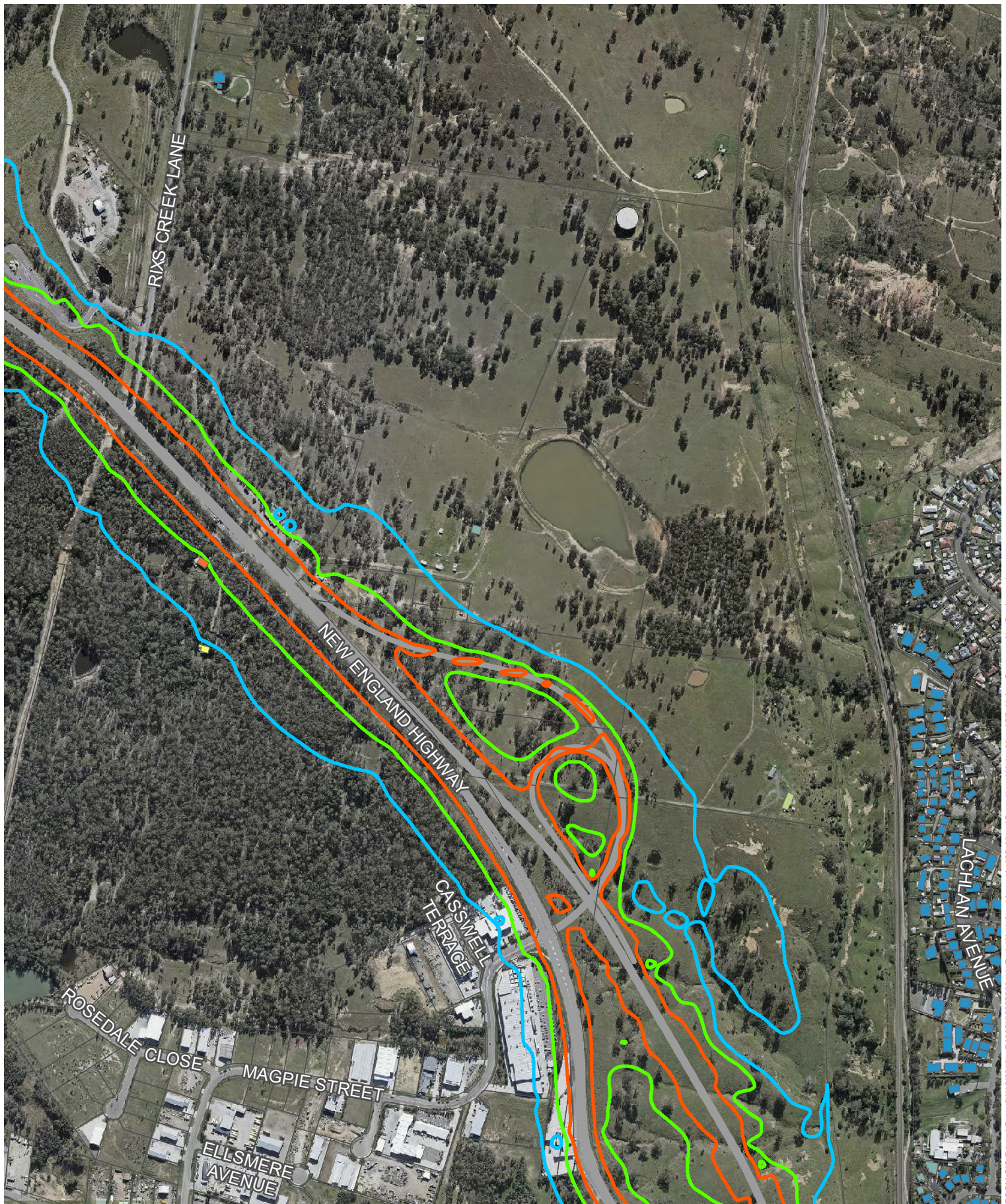
Facade Corrected Sound Pressure Level, L_{Aeq} dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

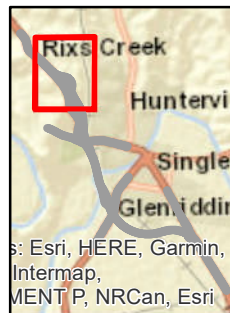


Singleton Bypass - Noise Contours - Design Year - Night-time

Free Field Sound Pressure Level, L_{Aeq} dBA

- 50
- 55
- 60

Facade Corrected Sound Pressure Level, L_{Aeq} dBA



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

Appendix D

Noise Barrier Assessment

Appendix D Noise Barrier Assessment

Introduction

A noise barrier assessment has been undertaken for the proposal in accordance with the Transport for NSW's *Road Noise Mitigation Guideline*. The assessment has been undertaken for the design year 2036 during the night-time as this was found to be the most stringent time period. The calculations include noise barriers heights from 0 metres to eight metres in 0.5 metre increments.

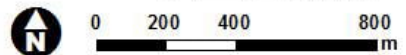
Six barriers and six precincts were considered in this assessment, as shown in the figure below.



Singleton Bypass - Noise Barrier Assessment

Precincts

AECOM



Copyright Copyright in material relating to the base layers (commercial information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence
 © Department of Planning, Services & Infrastructure (2017). Original content created and/or Digital Topographic Database.

The terms of Creative Commons Attribution 3.0 Australia License are available from <http://creativecommons.org/licenses/by/3.0/au/> (Creative Commons License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Planning, Services & Infrastructure make any representation or warranty of any kind, about the accuracy, reliability, completeness or suitability of fitness for purpose in relation to the content (in accordance with clause 6 of the Copyright License).

AECOM has prepared this document for the sole use of the Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report including page 6.

Figure H-1 Noise barrier assessment area

Precinct 1

A comparison of noise reductions for a range of barrier heights has been carried out for the most affected residences within Precinct 1.

For a noise barrier to be considered reasonable, a minimum insertion loss must be obtained for at least one sensitive receiver. A noise barrier less than five metres high must have a minimum insertion loss of around 5 dB(A). A noise barrier equal to or greater than five metres high must have a minimum insertion loss of around 10 dB(A) to be considered reasonable. Provided below in Figure H-2 is the insertion loss obtained by the barrier at the range of noise barrier heights assessed.

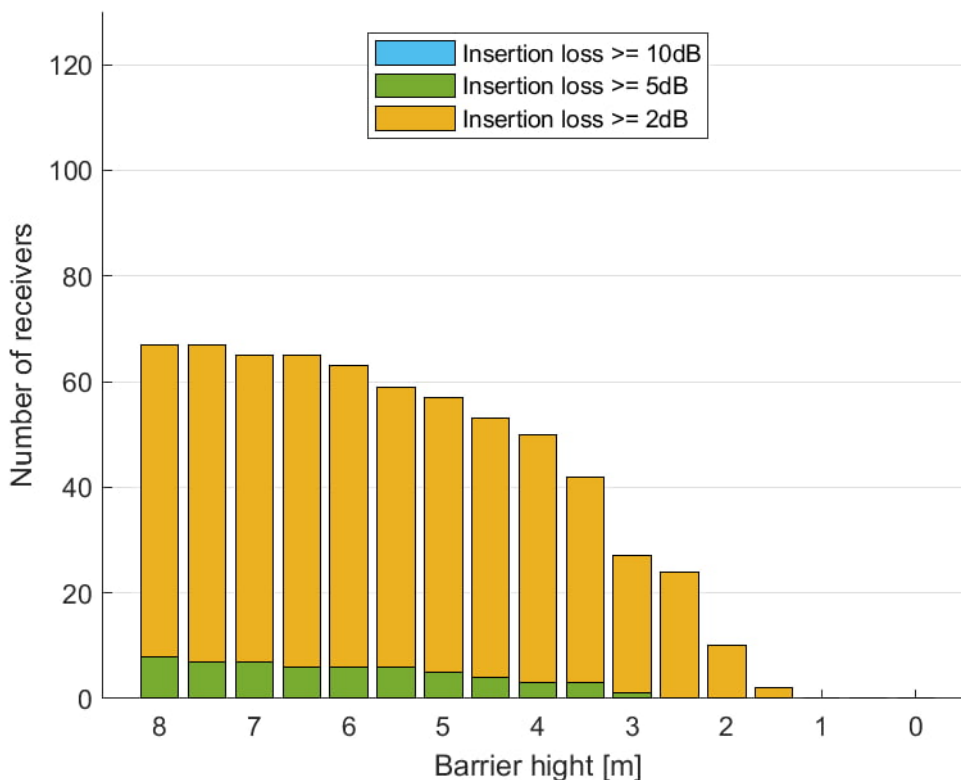


Figure H-2 Insertion loss

The insertion loss figure provided above indicates that a minimum insertion loss of 5 dB(A) is achieved with a barrier height of 3 m at 1 receiver location. A minimum insertion loss of 10 dB(A) is not achieved. Based on this information alone, a barrier height from 3 m to 4.5 m would be considered viable in this location.

The barrier assessment methodology requires the most affected facade to be determined without a barrier. The complete assessment is then undertaken based on this facade. In some circumstances residual facades still require treatment. As such the chart provided above should be considered indicative only.

The difference between the number of receivers that would require at-property treatment with the maximum barrier height and the number of receivers that would require at-property treatment without a barrier, identifies the maximum number of receivers that qualify for consideration of noise mitigation that could meet criteria using only a noise barrier. The Transport for NSW *Road Noise Mitigation Guideline* considers that the initial barrier height is defined as the point where two-thirds of those receivers do not need to be considered further for noise mitigation. This height can be considered to be the minimum noise barrier height.

Figure H-3 provides a chart showing the number of property treatments with each barrier increment. The initial barrier design is also provided in the figure.

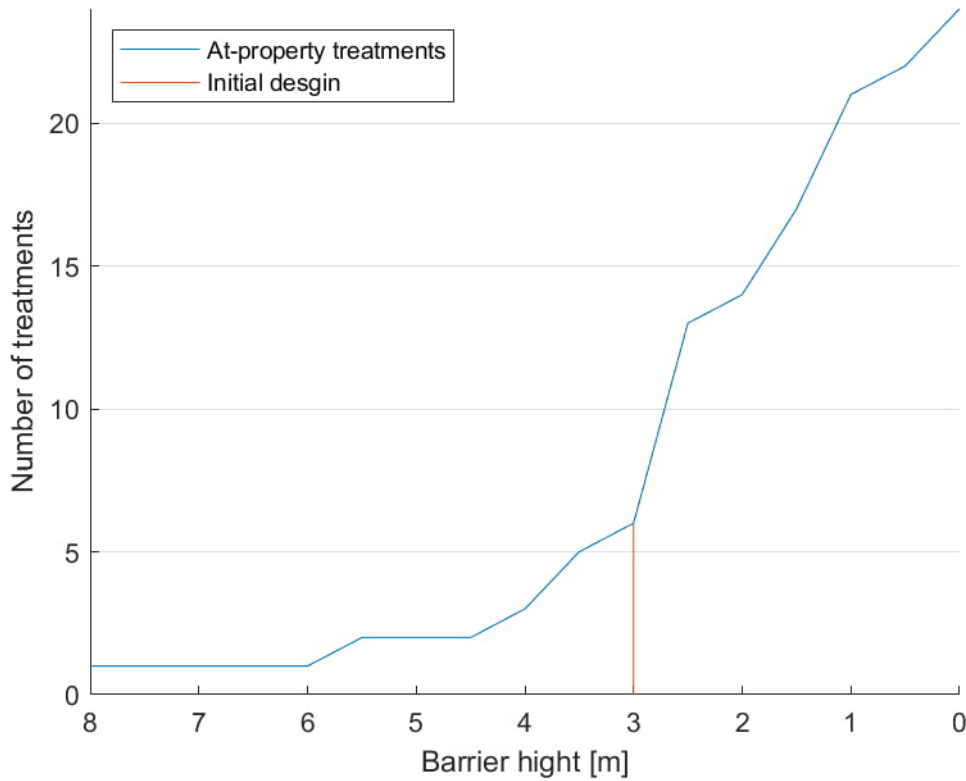


Figure H-3 Number of receivers requiring consideration of further mitigation

The figure above has identified a barrier of 3.0 m high as the initial barrier height. The maximum barrier height is considered to be the point where all sensitive receivers are no longer considered eligible for further noise mitigation, with an upper limit of 8 m. The figure above identifies a noise barrier of 8 m high as the maximum height for this scenario.

To determine the design barrier height, a points rating assessment is undertaken. The points system allows the most reasonable noise barrier height to be selected in a consistent manner. The assessment takes into account the size of the noise barrier, the exceedance above the criteria at each property and the exceedance above the World Health Organisation guidelines at each property. The minimum value in the points curve above the initial barrier height and below or at the maximum barrier height indicates the most reasonable barrier design.

The points are based upon; 1 point per square metre of barrier, 40 points for each at-property treatment where the criteria is exceeded by less than 10 dB(A), 120 points for each at-property treatment where the criteria is exceeded by 10 dB(A) or more and 4 points per dB(A) exceedance above 50 dB(A) during the daytime or 45 dB(A) during the night-time for each property.

Figure H-4 illustrates the points curve for the assessed barrier.

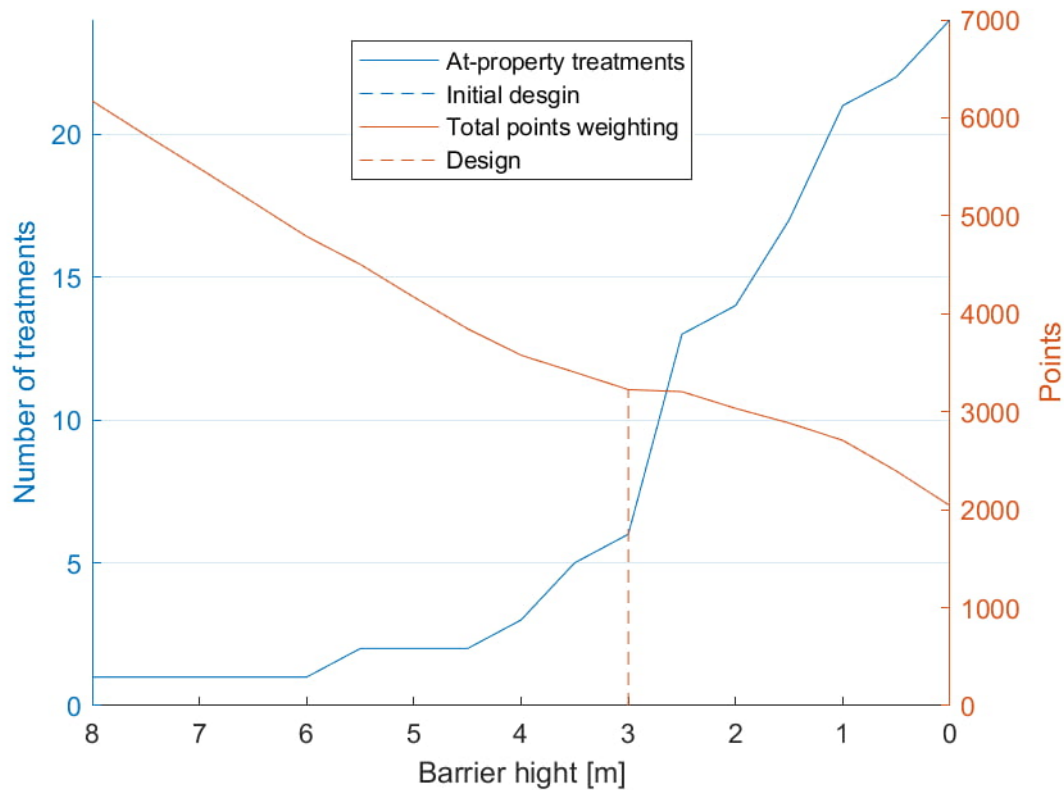


Figure H-4 Points curve

The weighting points chart provided above in Figure H-4 indicates that in accordance with the Transport for NSW noise guideline a 3 m noise barrier would be considered the design barrier for this assessment.

As discussed previously, although the chart in Figure H-3 indicates that only six sensitive receivers are eligible for noise mitigation with a 3 m noise barrier, this assessment is only considering the most affected facade without a noise barrier.

The procedure discussed for Precinct one has been repeated for Precincts 2 to 6.

Precinct 2

A comparison of noise reductions for a range of barrier heights has been carried out for the most affected residences within Precinct 2. A summary of the key outcomes are provided below:

- A minimum insertion loss of 5 dB(A) is achieved with a barrier height of 3 m at 2 receiver locations;
- A minimum insertion loss of 10 dB(A) is not achieved at any barrier height;
- A barrier height from 3 m to 4.5 m would be considered viable in this location;
- Figure H-6 identified the initial barrier height at 2.5 m;
- Figure H-7 shows that a 3 m noise barrier would be considered the design barrier for this assessment.

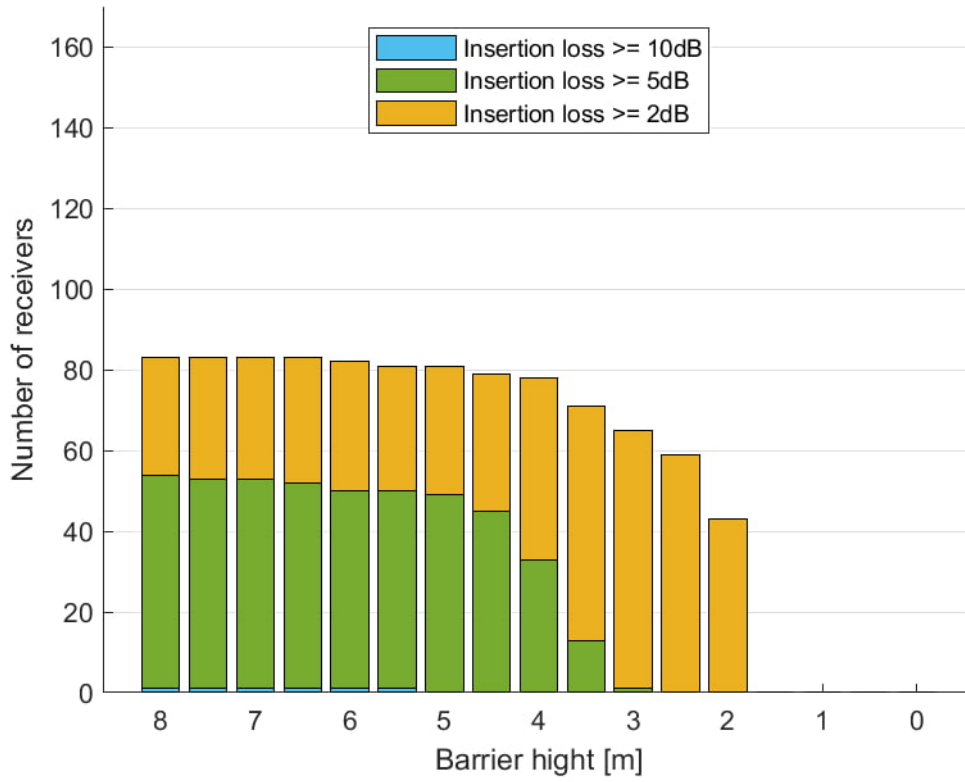


Figure H-5 Insertion loss

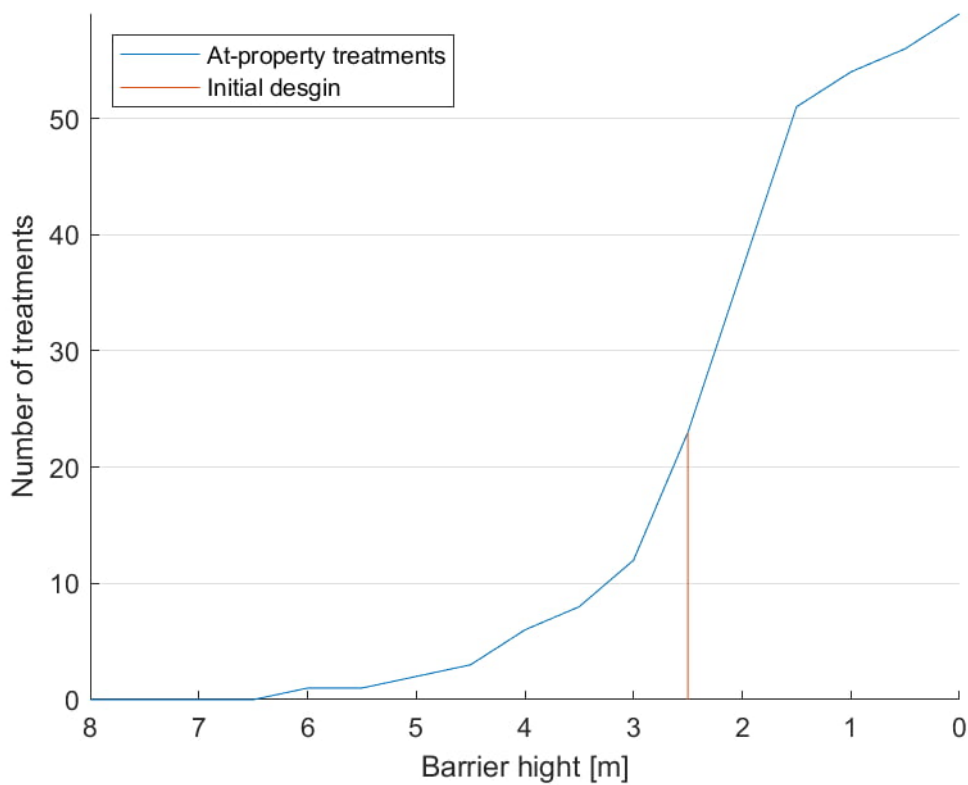


Figure H-6 Number of receivers requiring consideration of further mitigation

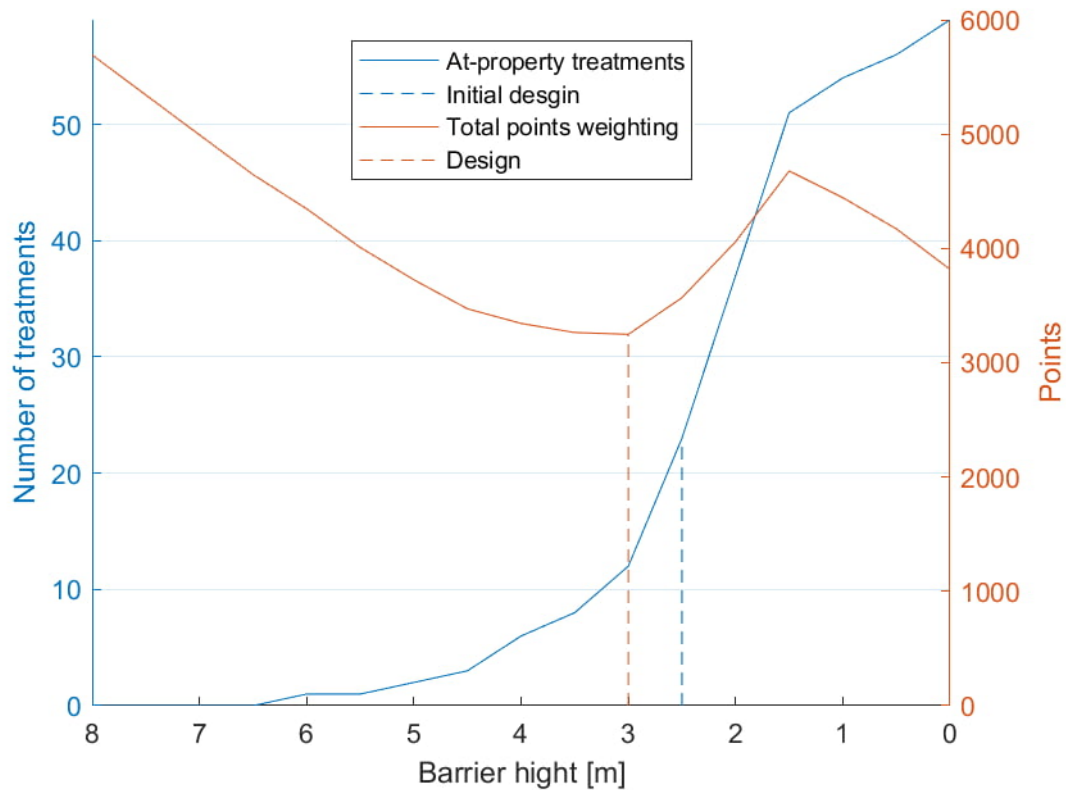


Figure H-7 Points curve

Precinct 3

A comparison of noise reductions for a range of barrier heights has been carried out for the most affected residences within Precinct 3. A summary of the key outcomes are provided below:

- A minimum insertion loss of 5 dB(A) is achieved with a barrier height of 3 m at 6 receiver locations;
- A minimum insertion loss of 10 dB(A) is achieved with a barrier height of 5.5 m at 2 receiver locations;
- A barrier height from 3 m to 8 m would be considered viable in this location;
- The figure above has identified a barrier of 3.5 m high as the initial barrier height;
- A 3.5 m noise barrier would be considered the design barrier for this assessment.

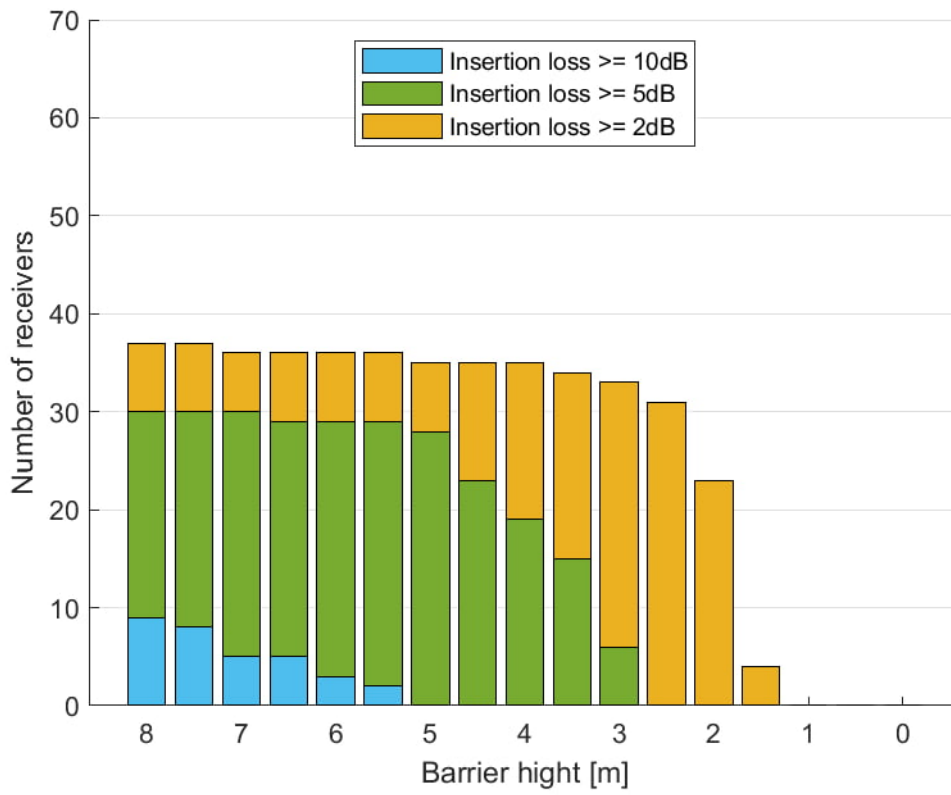


Figure H-8 Insertion loss

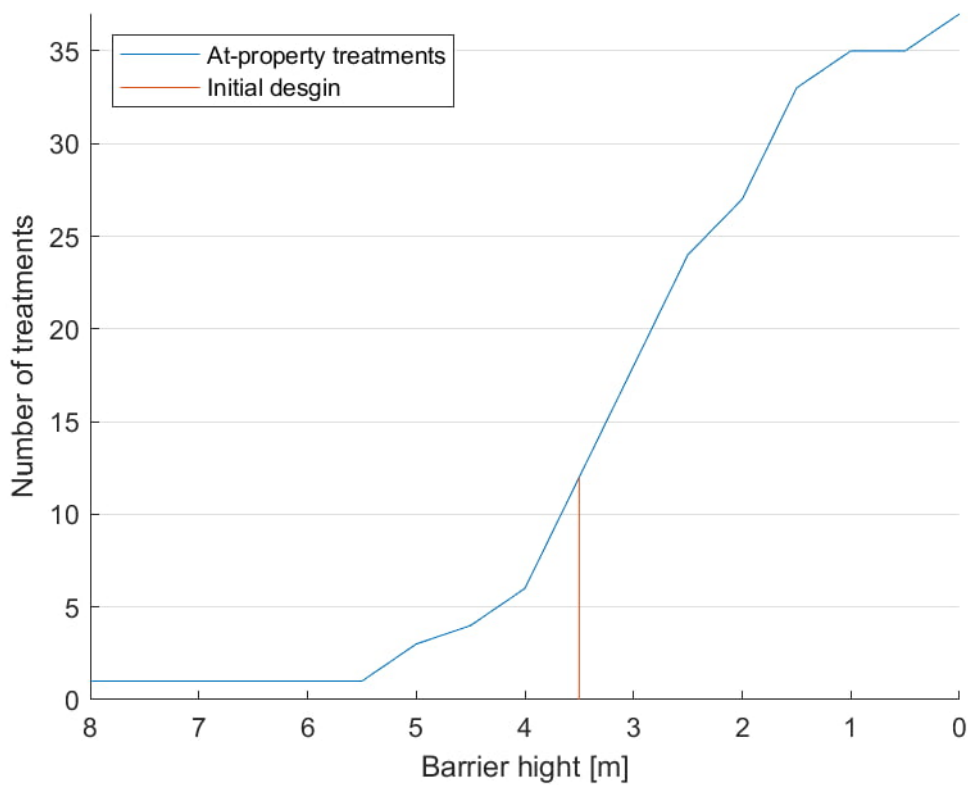


Figure H-9 Number of receivers requiring consideration of further mitigation

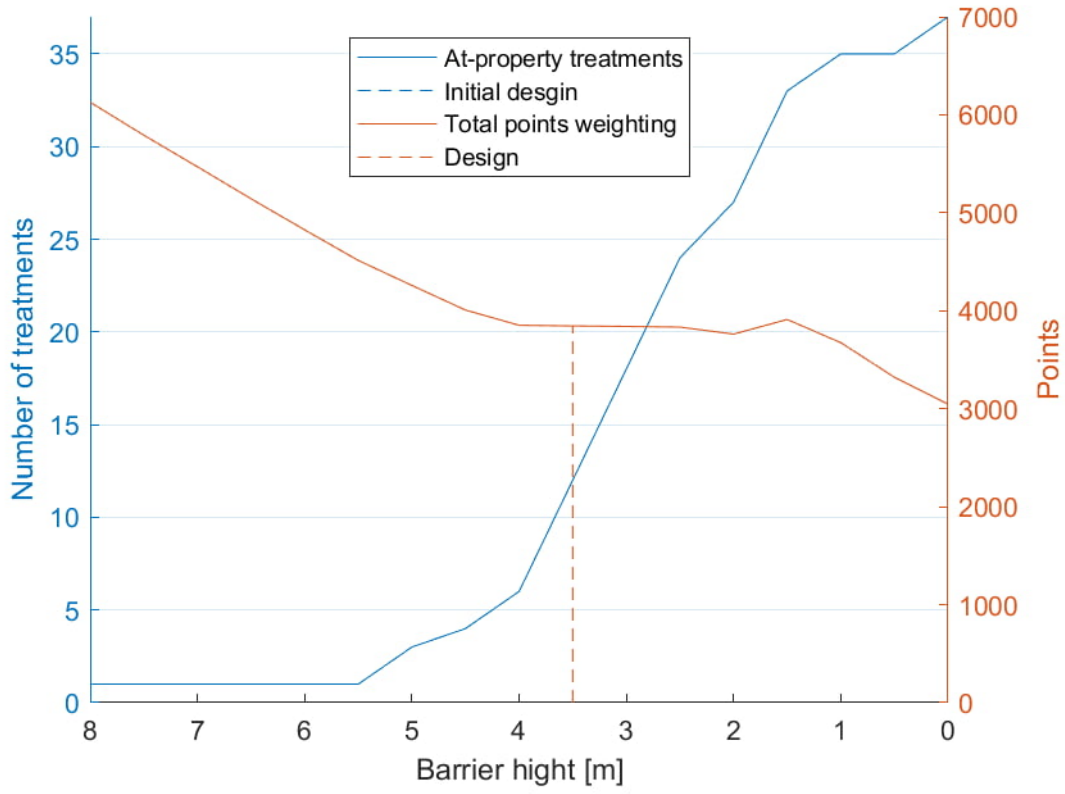


Figure H-10 Points curve

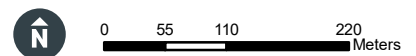
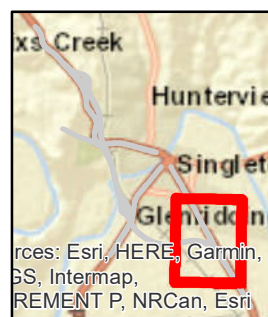
Appendix E

Receivers eligible for
consideration of at-
receiver treatment



Singleton Bypass - Receivers Eligible for the Consideration of Treatment

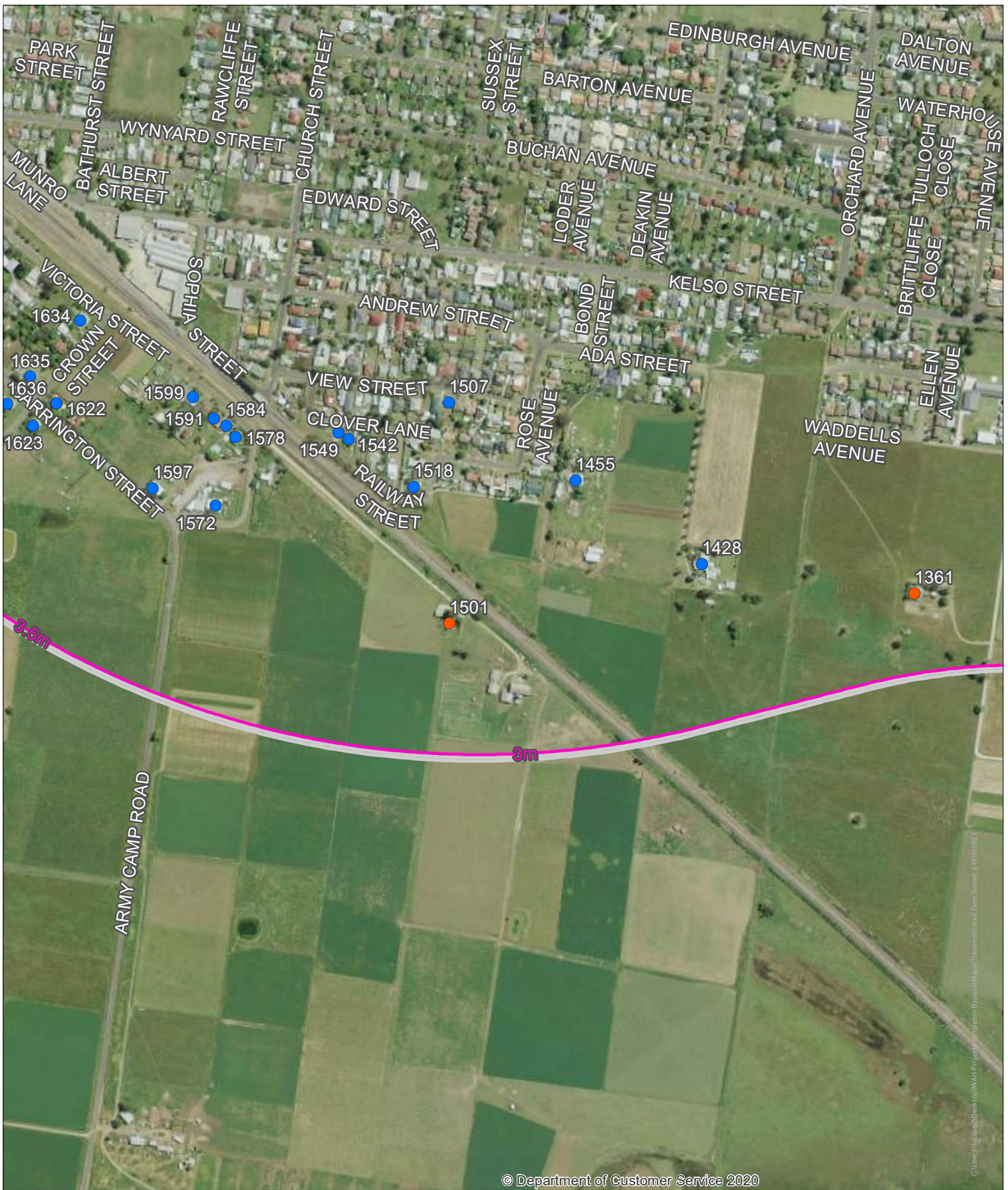
- Eligible for Treatment**
- Exceeds cumulative noise limit
 - Increase > 2dB



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/au/igcode/> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

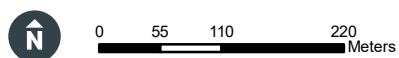
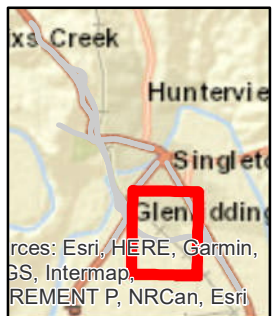


© Department of Customer Service 2020

C:\Users\lucasp2\Desktop\WAH Project\Singleton\Bypass\Mapa\Treatment.mxd Date Saved: 2/4/2021

Singleton Bypass - Receivers Eligible for the Consideration of Treatment

- Eligible for Treatment**
- Increase > 2dB
 - Relative Increase > 12dB



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 4.0 Australia licence © Department of Customer Service 2020. (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/au/gcode> (Copyright Licence)

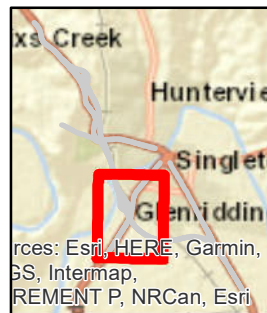
Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



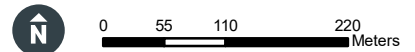
Singleton Bypass - Receivers Eligible for the Consideration of Treatment

Eligible for Treatment

- Increase > 2dB
- Relative Increase > 12dB



Sources: Esri, HERE, Garmin, BS, Intermap, REMENT P, NRCAN, Esri



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons, Attribution 4.0 Australia licence © Department of Customer Service 2020, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 4.0 Australia License are available from <https://creativecommons.org/licenses/by/4.0/le/galcode> (Copyright Licence)

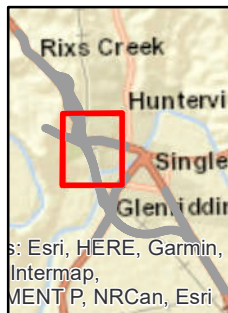
Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Customer Service make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with section 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.



Singleton Bypass - Receivers Eligible for the Consideration of Treatment

Eligible for Treatment

- Exceeds cumulative noise limit
- Increase > 2dB
- Relative Increase > 12dB



AECOM

Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia licence © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright Licence)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright Licence). AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.

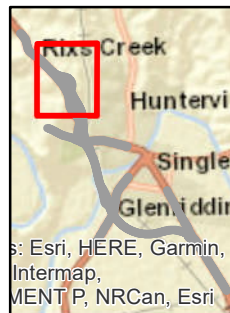
AECOM GIS Printed Date: 31/10/2019 P:\605X\6055893\14_Tech Work Area\Acoustics\05_Maps\Operational Noise Maps\Treatments.mxd



Singleton Bypass - Receivers Eligible for the Consideration of Treatment

Eligible for Treatment

- Exceeds cumulative noise limit
- Increase > 2dB
- Relative Increase > 12dB



Copyright: Copyright in material relating to the base layers (contextual information) on this page is licensed under a Creative Commons Attribution 3.0 Australia license © Department of Finance, Services & Innovation 2017, (Digital Cadastral Database and/or Digital Topographic Database).

The terms of Creative Commons Attribution 3.0 Australia License are available from <https://creativecommons.org/licenses/by/3.0/au/legalcode> (Copyright License)

Neither AECOM Australia Pty Ltd (AECOM) nor the Department of Finance, Services & Innovation make any representations or warranties of any kind, about the accuracy, reliability, completeness or suitability or fitness for purpose in relation to the content (in accordance with clause 5 of the Copyright License).

AECOM has prepared this document for the sole use of its Client based on the Client's description of its requirements having regard to the assumptions and other limitations set out in this report, including page 2.