



Westmead Local Area Works Alexandra Avenue & Hassall Street

Detailed noise and vibration impact statement

Westmead Local Area Works - Alexandra Avenue & Hassall Street

Project SMW WTP - Westmead and Parramatta
Client Gamuda Laing O'Rourke Consortium

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Acoustic terms and acronyms

AA	Acoustic Advisor
AMM	Additional mitigation measures – applicable where standard measures have been implemented and NML is still expected to be exceeded.
dB(A)	Unit used to measure 'A-weighted' sound pressure levels. A-weighting is an adjustment made to sound-level measurement to approximate the response of the human ear.
DPE	NSW Department of Planning and Environment
EIS	Environmental Impact Statement
ICNG	Interim Construction Noise Guideline (Department of Environment and Climate Change 2009)
NCA	Noise Catchment Area
Noise level statistics	$L_{\rm A90}$ - The A-weighted sound pressure level exceeded 90% of the monitoring period. This is considered to represent the background noise.
	L_{Aeq} - The equivalent continuous A-weighted noise level—the level of noise equivalent to the energy average of noise levels occurring over a measurement period.
	L _{A1} – The A-weighted sound pressure level exceeded 1% of the monitoring period.
	L _{Amax} – The maximum A-weighted noise level associated with the measurement period.
NML	Noise Management Level
PPV	Peak Particle Velocity – Measurement of ground-borne vibration in units of mm/s
RBL	Rating Background Level - a single figure that represents the background noise level for assessment purposes
ROL	Road Occupancy Licence – granted by Transport for NSW and required for any activity likely to impact on traffic flow.
SWL	Sound Power Level - The A-weighted sound power level is a logarithmic ratio of the acoustic power output of a source relative to 10-12 watts and expressed in decibels. Sound power level is calculated from measured sound pressure levels and represents the level of total sound power radiated by a sound source.
SPL	Sound pressure level - This is the level of noise, usually expressed in dB(A), as measured by a standard sound level meter with a pressure microphone. The sound pressure level in dB(A) gives a close indication of the subjective loudness of noise.
	A technical definition for the sound pressure level, in decibels, is 20 times the logarithm (base 10) of the ratio of any two quantities related to a given sound pressure to a reference pressure (typically 20 μ Pa equivalent to 0 dB).
Tonal noise	Noise with perceptible and definite pitch or tone
VDV	Vibration dose value – used when assessing intermittent vibration as it is sensitive to peaks in vibration acceleration and accumulates the vibration energy received over the daytime and night-time periods





1 Introduction

1.1 Overview

The Sydney Metro Western Tunnelling Package is being delivered by the Gamuda Australia and Laing O'Rourke Consortium (GLC) and includes twin nine-kilometre tunnels between Sydney Olympic Park and Westmead, excavation of two new metro stations, and a stabling and maintenance facility at Clyde (the Project).

During the Project, there is potential for nearby sensitive receivers to experience adverse impacts relating to noise and vibration. The project's Noise and Vibration Management Sub Plan (NVMP) was developed to satisfy the project's Conditions of Approval (CoA) and addresses the assessment and management of noise and vibration impacts during construction.

Under the NVMP, KNOWnoise[™], a project-specific noise prediction tool, has been developed to prepare a Detailed Noise and Vibration Impact Statement (DNVIS) for site and activity-specific noise works and provide ongoing risk analysis during project delivery and for when out-of-hours work is proposed.

This DNVIS has been prepared using KNOWnoise™ and addresses activities related to the Local Area Works at the Westmead Metro Station Construction Site as illustrated in Figure 1, 2 and 3.

The structure of this DNVIS includes:

- Section 1.2 Construction works and hours with justification for these works in Section 1.3
- Section 2 Existing environment
- Section 3 Assessment framework including noise and vibration management levels
- Section 4 Construction noise assessment
- Section 5 Mitigation and management, including consultation

1.2 Planned works

GLC plans to carry out the Local Area Works outside of standard working hours. The works have been split into 3 stages which are described in detailed in Appendix A, which lists each assessed activity, its timing and proposed equipment. The 3 stages are:

- Stage 1: Install traffic detector, stormwater drainage line and pothole repairs (Figure 1)
- Stage 2: Remove existing line marking (Figure 2)
- Stage 3: Installation of new line marking (Figure 3)

1.3 Justification of the works

In line with the Interim Construction Noise Guidelines (DECC 2009), justification is typically required to work outside approved construction hours. These situations may involve low impact or emergency works and works approved under an EPL.

GLC proposes the works subject to this assessment outside approved construction hours for the following reason.

Works are required to be completed outside of standard construction hours as the applicable council permits
and traffic control plans (TCP's) required to access the footpaths and road network, will only be issued for
non-peak periods (i.e. weekend, evening and night works) along Alexandra Avenue and Hassall Street,
Westmead.





- Works are proposed to be undertaken in accordance with EPL Condition L5.7 works and activities may be carried on outside of the hours that:
 - b)activities during standard construction hours would result in a high risk to road network operational performance; and
 - d) the TfNSW Transport Management Centre (or other road authority) have refused to issue a road occupancy licence during standard construction hours.
- The relevant road network operator has advised the licensee in writing that carrying out the works and These works will also be subject to the requirements of EPL Condition L5.8 works outside of standard construction hours Regulatory Requirements.



Key:

Install traffic detector, stormwater drainage line and pothole repairs.

Figure 1 Location Map – Westmead Local Area Works – Hassall Street & Alexandra Avenue – Stage 1











Figure 2 Location Map – Westmead Local Area Works – Hassall Street & Alexandra Avenue – Stage 2





Figure 3 Location Map – Westmead Local Area Works – Hassall Street & Alexandra Avenue – Stage 3





1 Existing environment

1.1 Sensitive receivers

The Westmead study area is centred on the Westmead metro station construction site. The construction site is located to the south of the existing Westmead Station and is bound by Hawkesbury Road to the west, Hassall Street to the east and Baily Street to the south.

Existing noise levels in this study area are generally controlled by transportation noise from the surrounding road network and existing rail line. The area surrounding the construction site is generally suburban and the nearest receivers are residential.

1.2 Noise catchment areas

To facilitate the assessment of noise impacts from the project and to apply representative Noise Management Levels (NMLs) to all receivers, receivers adjacent to the Westmead and Parramatta sites have been divided into Noise Catchment Areas (NCAs). The Westmead site contains two noise catchments (NCA01 and NCA02).

NCAs group individual sensitive receivers by representative traits such as existing noise environment and potential exposure to noise and vibration from the Project.

NCAs established as part of the EIS are summarised in Table 1 and illustrated in Figure 1. Background noise monitoring has been completed as part of the EIS to apply appropriate NML to each NCA.

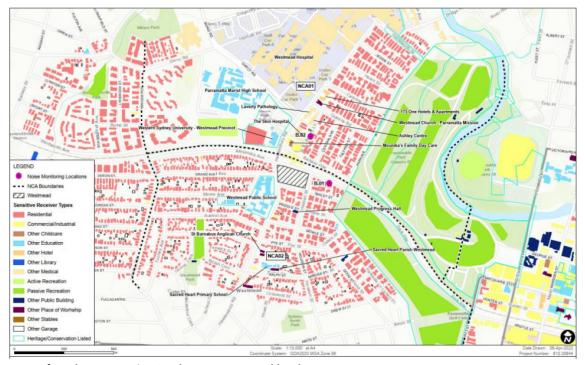


Table 1 Summary of work areas, Noise Catchment Areas and land uses

NCA	Location	Description
1	Westmead	North of the existing rail corridor in Westmead and mainly residential. 'Other sensitive' receivers include Westmead Hospital, Western Sydney University – Westmead, and Parramatta Marist High School. A child care centre and a number of medical facilities are to the north of the existing Westmead Station.
2		South of the existing rail corridor and mainly residential. Westmead Primary School is in the north of the catchment on Hawksbury Road.





2 Assessment framework

2.1 Approved construction hours

Working hours are set by CoA D35 to D36 as summarised in Table 2. Use of power saws, rock breakers, drills and other tonal or impulsive activities are defined as annoying under the Interim Construction Noise Guideline (ICNG) and are 'highly noise intensive works'.

Table 2 Approved construction hours

CoA	Construction activity	Monday to Friday	Saturday	Sunday / Public holiday
D35	Approved construction	7:00 am to 6:00 pm	8:00 am to 6:00 pm	No work (unless approved under EPL or out-of-hours work protocol)
D36	Highly noise intensive works	8:00 am to 6:00 pm ¹	8:00 am to 1:00 pm ¹	No work (unless approved under EPL or out-of-hours work protocol)

Notes:

1. if continuously, then not exceeding three hours, with a minimum cessation of work of not less than one hour.

2.2 Noise assessment criteria

2.2.1 Construction noise

The ICNG describes noise in excess of the background level as potentially having an adverse impact on sensitive receivers and increasing the likelihood of complaint. During standard construction hours, where construction noise is within 10 dB(A) of the RBL, impacts would be acceptable.

Where construction noise is more than 10 dB(A) above the RBL during standard construction hours, a residential receiver is considered noise affected and the proponent should undertake all reasonable and feasible steps necessary to manage the impact and consult with the affected community.

Above a $L_{Aeq, 15 \text{ minute}}$ noise level of 75 dB(A), a receiver is highly affected, requiring consideration of additional mitigation measures including alternative accommodation in the night period.

Outside standard construction hours, construction noise at a residential receiver more than 5 dB(A) above the RBL is taken to be noise affected. Table 1 (reproduced from Table 2 of the ICNG) sets out the NMLs for residences and how they are to be applied.

In addition, annoying noise such as rock hammers, impact piling, or other impulsive noise sources usually result in greater annoyance than continuous construction noise. A 5 dB(A) penalty is applicable to such activities prior to comparison with the NMLs.

2.2.2 Sleep disturbance

The Construction Noise and Vibration Standard (CNVS, TfNSW 2019) requires maximum noise levels to be analysed in terms of the extent and number of times the maximum noise exceeds specific noise trigger levels, in general accordance with the Noise Policy for Industry (NPfI) (EPA 2017). These triggers are:

- LAeq, 15 minute 40 dBA or the prevailing RBL plus 5 dB, whichever is greater, and the
- LAmax 52 dBA or the prevailing RBL plus 15 dB, whichever is greater.

The NPfI also recommends the DECCW (2011) Road Noise Policy (RNP) be reviewed for further risk assessment. The RNP recommends maximum internal noise levels below 50–55 dB(A) are unlikely to awaken people from sleep and one or two noise events per night, with maximum internal noise levels of 65–70 dB(A), are not likely to affect health and wellbeing significantly.





Table 3 Residential noise management levels

Time of day	NML L _{Aeq (15 min)} *	How to apply
Standard hours: Monday to Friday 7	Noise affected RBL + 10 dB	The noise affected level represents the point above which there may be some community reaction to noise.
am to 6 pm Saturday 8 am to 1 pm		Where the predicted or measured L _{Aeq (15 min)} is greater than the noise affected level, the proponent should apply all feasible and reasonable work practices to meet the noise affected level.
		The proponent should also inform all potentially impacted residents of the nature of works to be carried out, the expected noise levels and duration, as well as contact details.
	Highly noise affected 75 dB(A)	The highly noise affected level represents the point above which there may be strong community reaction to noise.
		Where noise is above this level, the relevant authority may require respite periods by restricting the hours that the very noisy activities can occur, taking into account:
		 times identified by the community when they are less sensitive to noise (such as before and after school for works near schools, or mid-morning or mid-afternoon for works near residences);
		 if the community is prepared to accept a longer period of construction in exchange for restrictions on construction times.
Outside recommended	Noise affected RBL + 5 dB	A strong justification would typically be required for works outside the recommended standard hours.
standard hours		The proponent should apply all feasible and reasonable work practices to meet the noise affected level.
		Where all feasible and reasonable practices have been applied and noise is more than 5 dB(A) above the noise affected level, the proponent should negotiate with the community.

^{*} Noise levels apply at the property boundary that is most exposed to construction noise, and at a height of 1.5 m above ground level. If the property boundary is more than 30 m from the residence, the location for measuring or predicting noise levels is at the most noise-affected point within 30 m of the residence. Noise levels may be higher at upper floors of the noise affected residence.

Other sensitive land uses, such as schools and offices, typically find noise from construction disruptive when the properties are being used (such as during work and school times). The noise management levels for non-residential receivers set in accordance with the Interim Construction Noise Guideline are provided in Table 4. These levels apply only during hours when the non-residential premises are being used.

The difference between an internal noise level and the external noise level is about 10 dB(A), which provides a conservative assumption that windows are open for ventilation. Buildings where windows are fixed or cannot otherwise be opened may achieve a greater noise level performance.





Construction noise impact statement

Table 4 Non-residential sensitive land uses noise management levels

Land use	Noise assessment location	NML (L _{Aeq,15min})
Classrooms at schools and other educational institutions	Internal	45
Places of worship	internal	43
Active recreation areas (such as sporting activities and activities which generate their own noise or focus for participants)	External	65
Passive recreation areas (contemplative activities that generate little noise and where benefits are compromised by external noise intrusion, for example, reading, meditation)	External	60
Industrial premises	External	75
Office, retail outlets	External	70

2.3 Project construction noise management levels

The Project specific construction noise management levels for residential receivers have been established in line with the ICNG, based on the RBLs relevant to each NCA. These are presented in Table 5. NMLs for non-residential sensitive receivers are described in Table 4.

Table 5 Project specific construction NMLs

NCA	Noise Management Level, L _{Aeq 15 minute}						
	Appro	ved hours		Out	side approved hou	ırs	
	Noise affected	Highly noise affected	Day	Evening	Night	Sleep disturbar	
						LAeq, 15 minute	L _{Amax}
1	58	75	53	51	46	46	56
2	59	75	54	52	42	42	52

As part of planning for out of hours works, standard mitigation measures, as described in the CNVMP, are implemented where reasonable and feasible. However, after these measures have been applied, noise and vibration levels may continue to exceed the NMLs.

In this case, additional mitigation measures outlined in the CNVS, which largely focus on engagement with affected sensitive receivers, should be implemented where reasonable and feasible, unless other agreements are in place with the impacted receiver.

Triggers and additional mitigation measures for airborne noise are taken from the Project's OOHW Protocol and summarised in Table 6. Further details of specific additional mitigation measures are described in the CNVS.





Table 6 Triggers for additional mitigation measures – Airborne noise (Sydney Metro 2020)

Construction hours	Class	dB above NML	Additional management measures
Approved hours	N	0 to 10	-
Monday – Friday: 7am – 6pm	CA	10 to 20	LB
Saturday: 8am to 6pm	MI	20 to 30	LB, M, SN
	HI	>30	LB, M, SN
Evening	N	0 to 10	LB
Monday – Friday: 6pm – 10pm	CA	10 to 20	LB, M
Saturday: 7am – 8am, 6pm – 10pm	MI	20 to 30	LB, M, SN, RO
Sunday / PH: 8am – 6pm	HI	> 30	LB, M, SN, IB, PC, RO
Night	N	0 to 10	LB
Monday – Saturday: 10am – 7am	CA	10 to 20	LB, M, SN, RO
Saturday: 10pm –8am)	MI	20 to 30	LB, M, SN, IB, PC, RO, AA
Sunday / PH: 6pm –7am	HI	> 30	LB, M, SN, IB, PC, RO, AA

PC = Phone Calls and emails Notes:

SN = Specific notification LB = Letterbox drops M = Monitoring

IB = Individual briefings

RO = Project specific respite offer

AA = Alternative accommodation

N = Noticeable CA = Clearly audible MΙ Moderately intrusive HI = Highly intrusive

Vibration management 2.4

2.4.1 Human comfort

When assessing human exposure to construction-related vibration, the CNVS requires vibration goals to be established using Environmental Noise Management Assessing Vibration: A Technical Guideline (DECC 2006), which provides criteria for the assessment of vibration impacts on humans.

Construction activities typically generate vibration of an intermittent nature, which is assessed using a Vibration Dose Value (VDV). Acceptable values of vibration doses are presented in Table 7 for sensitive receivers.

Table 7 VDV Vibration criteria

Receiver type	Low probability of adverse comment (m/s ^{1.75})	Adverse comment possible (m/s ^{1.75})	Adverse comment probable (m/s ^{1.75})
Residential buildings – 16 hour day $(7am to 11pm)^1$	0.2 to 0.4	0.4 to 0.8	0.8 to 1.6
Residential buildings – 8 hour night $(11pm to 7am)^1$	0.13	0.26	0.51

Note 1: Day time and night time as described in BS6472:1992 (as referenced in the CNVS), i.e. a daytime period of 16 h or a night time period of 8 h, for example 23.00 h to 07.00 h.

2.4.2 Buildings

Potential building damage from construction vibration requires the application of values in BS 7385 Part 2-1993 Evaluation and measurement for vibration in buildings Part 2. These values are presented in Table 8 and relate to transient vibration which does not give rise to resonant responses in structures, and to low-rise buildings.

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Table 8 Guideline values for vibration velocity for the effects of short-term vibration on structures (BS 7385).

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

Where vibration may give rise to magnification due to resonance, especially at lower frequencies where lower guide values apply, the guide values may be reduced by 50%. The CNVS describes rock breaking/hammering and sheet piling activities as having potential to cause dynamic loading in some structures (e.g. residences).

For activity involving rock breakers, piling rigs, vibratory rollers, excavators, vibration predominantly occurs at frequencies in the 10 Hz to 100 Hz range. On this basis, a conservative vibration damage screening level is:

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

2.4.3 Heritage

Heritage buildings and structures would be assessed under a conservative cosmetic damage objectives of 2.5 mm/s peak component particle velocity (from DIN 4150). Where vibration levels at heritage items are identified as exceeding this screening level, structural assessment would be completed by the Project team to confirm the structure's sensitivity to vibration. If a heritage building or structure is found to be structurally unsound (following inspection) the conservative criterion would stand. Where the structure is suitably sound, the guideline values from Table 8 would be applicable.

2.4.4 Additional mitigation measures

The CNVS recommends additional mitigation measures where all standard mitigation measures to minimise vibration at the nearest receivers have been implemented and vibration is still predicted to exceed the maximum guideline values. The Additional Mitigation Measures Matrix (AMMM) for vibration from the CNVS is presented in Table 9.

Table 9 Additional Vibration Mitigation Measures (CNVS)

Construction hours	Mitigation measures where predicted vibration levels exceed maximum levels
Approved hours Monday – Friday: 7am – 6pm, Saturday: 8am to 6pm	LB, M, RO
Evening Monday – Friday: 6pm – 10pm; Saturday: 7am – 8am, 6pm – 10pm; Sunday / PH: 8am – 6pm	LB, M, IB, PC, RO, SN
Night Monday – Saturday: 10am – 7am Saturday: 10pm –8am); Sunday / PH: 6pm –7am	LB, M, IB, PC, RO, SN, AA





3 Impact assessment

3.1 Modelling method

Predictions of noise impacts were performed using KNOWnoise $^{\text{TM}}$, a project-specific noise assessment tool developed by Hutchison Weller for the WTP Project. KNOWnoise calculates the maximum $L_{\text{Aeq},15\text{minute}}$ noise level for each identified receiver for each proposed activity using predictions from SoundPlan noise modelling software. Predictions include geometric spreading, air and ground absorptions as well as topographical and structural screening and reflection.

The following components were incorporated in the model:

- Topography Based on terrain data of 1 m resolution.
- Individual sensitive receivers Worst-affected façade of each building to 700 metres from the works
- Construction noise sources –Activities and equipment provided by GLC were included in the noise model
 as individual sources across the nominated work areas for each activity. The maximum predicted LAeq
 noise level within each work area was identified for each receiver.
- Cumulative impacts all activities with overlapping time periods are included in cumulative results
- Source height construction noise sources assumed to be at 1.5 metres above ground level.
- Ground Absorption Ground assumed to be mixed hard and soft with absorption factor of 0.5
- Meteorology –worst-case meteorological conditions (gentle breeze from source to receiver and stable conditions).
- Residential building structures are included in the model, meaning screening provided by neighboring houses is considered.
- Results are shown for all floors of assessed buildings with the worst-case façade result assumed for the whole floor.

Equipment proposed to be used for OOHW activities together with estimated sound power levels for each item are summarised in Appendix A.

The sound power levels and ultimate predicted noise levels will depend on the number of plant items operating at any one time and their precise location relative to a sensitive receiver. In practice, the predicted levels will vary due to plant moving around the site and not operating intensively or concurrently for a 15 minute assessment period. Shielding and reflection provided by buildings will also vary as plant moves around the site. Therefore, predicted noise levels are conservative.





3.2 Predicted noise and vibration levels for all Stages

3.2.1 - Predicted Noise Levels - Stage 1

Predicted impact classes for the Night period are illustrated graphically in Appendix B-1. Each identified receiver in the study area has been coloured to highlight the predicted level of impact.

Detailed predicted noise levels for each potentially affected receiver are presented Appendix C-1.

Table 10 presents the worst-case predicted noise level of 85 dB(A) during the works, resulting in 2 receivers classed as highly noise affected.

Table 10 Summary of maximum predicted noise level and highly affected receivers for the Night period.

Maximum cumulative predicted L _{Aeq, 15 minute} noise level	85 dB(A)
Number of highly noise affected receivers (>75 dB)	2

With reference to the CNVS, the number of senstive receivers classified in each impact class for each assessment period are summarised in the following tables.

Table 11 Summary of NML exceedance ranges for standard hours.

Impact class	Predicted noise level	Predicted number of receivers
Noticable	0 <= 10 dB above NML	89
Clearly Audible	10 <= 20 dB above NML	2
Moderately Intrusive	20 <= 30 dB above NML	2
Highly Intrusive	> 30 dB above NML	0

Table 12 Summary of NML exceedance ranges for outside standard hours - weekend.

Impact class	Predicted noise level	Predicted number of receivers
Noticable	0 <= 10 dB above NML	117
Clearly Audible	10 <= 20 dB above NML	35
Moderately Intrusive	20 <= 30 dB above NML	0
Highly Intrusive	> 30 dB above NML	2

Table 13 Summary of NML exceedance ranges for outside standard hours - evenings.

Impact class	Predicted noise level	Predicted number of receivers
Noticable	0 <= 10 dB above NML	161
Clearly Audible	10 <= 20 dB above NML	49





Impact class	Predicted noise level	Predicted number of receivers
Moderately Intrusive	20 <= 30 dB above NML	2
Highly Intrusive	> 30 dB above NML	2

Table 14 Summary of NML exceedance ranges for outside standard hours - nights.

Impact class	Predicted noise level	Predicted number of receivers
Noticable	0 <= 10 dB above NML	361
Clearly Audible	10 <= 20 dB above NML	102
Moderately Intrusive	20 <= 30 dB above NML	24
Highly Intrusive	> 30 dB above NML	4

In the event works are planned for more than two consecutive nights, sleep disturbance has been considered. Table 15 summarises the number of residents predicted to exceed the sleep disturbance screening criterion. Further analysis is also provided to indicate the number of receivers expected to be woken, at LAmax noise levels greater than 65 dBA.

Where exceedances of the awakening criteria are predicted, additional care should be taken, and mitigation measures implemented in line with the CNVS.

Table 15 Summary of predicted exceedances of sleep disturbance screening criterion and awakening criterion.

Criterion	Predicted number of receivers
Potentially Sleep Disturbed (exceed RBL + 15 screening criterion)	216
Exceed 65 dBA awakening criterion	60

3.2.2 Predicted Vibration Levels - Stage 1

The CNVS requires attended vibration measurements at commencement of vibration generating activities to confirm vibration levels satisfy the criteria for that activity.

Where there is potential for exceedances of the criteria further vibration site law investigations would be undertaken to determine the site-specific safe working distances for that vibration generating activity. Continuous vibration monitoring with audible and visible alarms would be conducted at the nearest sensitive receivers whenever vibration generating activities need to take place inside the calculated safe-working distances.

Based on the proposed work locations and selected equipment, indicative exceedances of the vibration criteria are summarised in Table 16. The exceedances are based on recommended minimum working distances from vibration intensive plant given in Appendix D of the CNVS (Transport for NSW 2019). Vibration impacts for each sensitive receiver are listed in Appendix C-1





Table 16 Predicted exceedances of vibration criteria

Impact classification	Number of potentially affected receivers	
Human comfort	2	
Cosmetic damage	0	
Heritage structure	0	





3.2.3 Predicted Noise Levels - Stage 2

Predicted impact classes for the Night period are illustrated graphically in Appendix B-2. Each identified receiver in the study area has been coloured to highlight the predicted level of impact.

Detailed predicted noise levels for each potentially affected receiver are presented Appendix C-2.

Table 17 presents the worst-case predicted noise level of 76 dB(A) during the works, resulting in 2 receivers classed as highly noise affected.

Table 17 Summary of maximum predicted noise level and highly affected receivers for the Night period.

Maximum cumulative predicted L _{Aeq, 15 minute} noise level	76 dB(A)
Number of highly noise affected receivers (>75 dB)	2

With reference to the CNVS, the number of senstive receivers classified in each impact class for each assessment period are summarised in the following tables.

Table 18 Summary of NML exceedance ranges for standard hours.

Impact class	Predicted noise level	Predicted number of receivers
Noticable	0 <= 10 dB above NML	7
Clearly Audible	10 <= 20 dB above NML	6
Moderately Intrusive	20 <= 30 dB above NML	0
Highly Intrusive	> 30 dB above NML	0

Table 19 Summary of NML exceedance ranges for outside standard hours - weekend.

Impact class	Predicted noise level	Predicted number of receivers
Noticable	0 <= 10 dB above NML	19
Clearly Audible	10 <= 20 dB above NML	7
Moderately Intrusive	20 <= 30 dB above NML	2
Highly Intrusive	> 30 dB above NML	0

Table 20 Summary of NML exceedance ranges for outside standard hours - evenings.

Impact class	Predicted noise level	Predicted number of receivers
Noticable	0 <= 10 dB above NML	32
Clearly Audible	10 <= 20 dB above NML	7





Impact class	Predicted noise level	Predicted number of receivers
Moderately Intrusive	20 <= 30 dB above NML	2
Highly Intrusive	> 30 dB above NML	0

Table 21 Summary of NML exceedance ranges for outside standard hours - nights.

Impact class	Predicted noise level	Predicted number of receivers
Noticable	0 <= 10 dB above NML	79
Clearly Audible	10 <= 20 dB above NML	9
Moderately Intrusive	20 <= 30 dB above NML	7
Highly Intrusive	> 30 dB above NML	2

In the event works are planned for more than two consecutive nights, sleep disturbance has been considered. Table 22 summarises the number of residents predicted to exceed the sleep disturbance screening criterion. Further analysis is also provided to indicate the number of receivers expected to be woken, at LAmax noise levels greater than 65 dBA.

Where exceedances of the awakening criteria are predicted, additional care should be taken, and mitigation measures implemented in line with the CNVS.

Table 22 Summary of predicted exceedances of sleep disturbance screening criterion and awakening criterion.

Criterion	Predicted number of receivers
Potentially Sleep Disturbed (exceed RBL + 15 screening criterion)	56
Exceed 65 dBA awakening criterion	12

3.2.4 Predicted Vibration Levels - Stage 2

The CNVS requires attended vibration measurements at commencement of vibration generating activities to confirm vibration levels satisfy the criteria for that activity.

Where there is potential for exceedances of the criteria further vibration site law investigations would be undertaken to determine the site-specific safe working distances for that vibration generating activity. Continuous vibration monitoring with audible and visible alarms would be conducted at the nearest sensitive receivers whenever vibration generating activities need to take place inside the calculated safe-working distances.

Based on the proposed work locations and selected equipment, indicative exceedances of the vibration criteria are summarised in Table 23. The exceedances are based on recommended minimum working distances from vibration intensive plant given in Appendix D of the CNVS (Transport for NSW 2019). Vibration impacts for each sensitive receiver are listed in Appendix C-2.





Table 23 Predicted exceedances of vibration criteria

Impact classification	Number of potentially affected receivers	
Human comfort	0	
Cosmetic damage	0	
Heritage structure	0	





3.2.5 Predicted noise levels - Stage 3

Predicted impact classes for the Night period are illustrated graphically in Appendix B-3. Each identified receiver in the study area has been coloured to highlight the predicted level of impact.

Detailed predicted noise levels for each potentially affected receiver are presented Appendix C-3.

Table 24 presents the worst-case predicted noise level of 73 dB(A) during the works, resulting in 0 receivers classed as highly noise affected.

Table 24 Summary of maximum predicted noise level and highly affected receivers for the Night period.

Maximum cumulative predicted L _{Aeq, 15 minute} noise level	73 dB(A)
Number of highly noise affected receivers (>75 dB)	0

With reference to the CNVS, the number of senstive receivers classified in each impact class for each assessment period are summarised in the following tables.

Table 25 Summary of NML exceedance ranges for standard hours.

Impact class	Predicted noise level	Predicted number of receivers
Noticable	0 <= 10 dB above NML	2
Clearly Audible	10 <= 20 dB above NML	2
Moderately Intrusive	20 <= 30 dB above NML	0
Highly Intrusive	> 30 dB above NML	0

Table 26 Summary of NML exceedance ranges for outside standard hours - weekend.

Impact class	Predicted noise level	Predicted number of receivers
Noticable	0 <= 10 dB above NML	2
Clearly Audible	10 <= 20 dB above NML	2
Moderately Intrusive	20 <= 30 dB above NML	0
Highly Intrusive	> 30 dB above NML	0

Table 27 Summary of NML exceedance ranges for outside standard hours - evenings.

Impact class	Predicted noise level	Predicted number of receivers
Noticable	0 <= 10 dB above NML	4
Clearly Audible	10 <= 20 dB above NML	0





Construction noise impact statement

Impact class	Predicted noise level	Predicted number of receivers
Moderately Intrusive	20 <= 30 dB above NML	2
Highly Intrusive	> 30 dB above NML	0

Table 28 Summary of NML exceedance ranges for outside standard hours - nights.

Impact class	Predicted noise level	Predicted number of receivers
Noticable	0 <= 10 dB above NML	54
Clearly Audible	10 <= 20 dB above NML	4
Moderately Intrusive	20 <= 30 dB above NML	0
Highly Intrusive	> 30 dB above NML	2

In the event works are planned for more than two consecutive nights, sleep disturbance has been considered. Table 29 summarises the number of residents predicted to exceed the sleep disturbance screening criterion. Further analysis is also provided to indicate the number of receivers expected to be woken, at LAmax noise levels greater than 65 dBA.

Where exceedances of the awakening criteria are predicted, additional care should be taken, and mitigation measures implemented in line with the CNVS.

Table 29 Summary of predicted exceedances of sleep disturbance screening criterion and awakening criterion.

Criterion	Predicted number of receivers
Potentially Sleep Disturbed (exceed RBL + 15 screening criterion)	8
Exceed 65 dBA awakening criterion	2

3.2.6 Predicted Vibration Levels - Stage 3

The CNVS requires attended vibration measurements at commencement of vibration generating activities to confirm vibration levels satisfy the criteria for that activity.

Where there is potential for exceedances of the criteria further vibration site law investigations would be undertaken to determine the site-specific safe working distances for that vibration generating activity. Continuous vibration monitoring with audible and visible alarms would be conducted at the nearest sensitive receivers whenever vibration generating activities need to take place inside the calculated safe-working distances.

Based on the proposed work locations and selected equipment, indicative exceedances of the vibration criteria are summarised in Table 30. The exceedances are based on recommended minimum working distances from vibration intensive plant given in Appendix D of the CNVS (Transport for NSW 2019). Vibration impacts for each sensitive receiver are listed in Appendix C-3.





Table 30 Predicted exceedances of vibration criteria

Impact classification	Number of potentially affected receivers	
Human comfort	0	
Cosmetic damage	0	
Heritage structure	0	





4 Controls and safeguards

The Project represents a risk of adverse impacts on sensitive receivers, particularly when working close to the project boundary and outside approved hours.

Where short term noise impacts are unavoidable, mitigation measures described in the project construction environment management plan should be implemented together with the recommendations in Table 31.

Additional mitigation measures for each receiver are identified in Appendix B and summarised in Table 32.

Table 31 Standard mitigation measures

Community consultation	 Potentially affected receivers will be notified of OOH works in accordance with project requirements. Where practicable, works will be scheduled to not conflict with major student examination periods, church congregation times, and other sensitive periods identified through community consultation.
Site induction	 All workers will be inducted to the project prior to commencing work and will be cognisant of their noise and vibration obligations under the CNVMP.
Behavioural practices	Avoid swearing and unnecessary shouting or loud radios onsite.Avoid dropping materials from height.
Equipment selection	 Priority given to the use of quieter and less vibration emitting construction methods and plant alternatives where feasible and reasonable. The noise levels of plant and equipment would meet the maximum noise requirements of the CNVS.
Use and siting of plant	 Locate compounds away from sensitive receivers and discourage access from local roads. Plant used intermittently to be throttled down or shut down. Noise-emitting plant to be directed away from sensitive receivers where possible. Stationary plant should be located behind a structure or enclosed if practicable. Deliveries should be made as far as practical from sensitive receivers. Dedicated loading/unloading sites should be shielded where possible, if close to receivers. Plan traffic flow, parking and loading/unloading areas to minimise reversing. Avoid compression breaking on approach to the site. Where additional activities or plant may result in marginal noise increases and speed works up, consider concentrating activities at one location and complete works as quickly as possible.
Non-tonal reversing alarms.	 Non-tonal reversing beepers (or an equivalent mechanism) must be fitted and used on all construction vehicles and mobile plant regularly used on site and for any out of hours work.
Noise monitoring	 Monitoring should be completed to verify the assumptions of this CNVIS regarding estimated equipment noise emissions and to ensure compliance with the CNVS.
Vibration monitoring	 Attended vibration measurements should be completed at commencement of vibration generating activities predicted to occur within safe working distances for cosmetic damage. Where monitoring demonstrates maximum levels exceeded, consider alternative methodologies/equipment

Implement any project specific mitigation measures

- Noise blankets will be placed around highly noise intensive activities
- The use of battery and/or solar-powered lighting plants and generators will be prioritised over diesel-powered equipment
- Concurrent works are planned to be completed by other work groups so worst-case cumulative noise assessments will have to be completed and included in the OOHW application
- In compliance with EPL L5.8 f) any high noise impact works will be undertaken before midnight where reasonable and feasible.
- If noise and vibration monitoring identifies a greater impact of the roller than anticipated, use alternative equipment is to be investigated and implemented if feasible and practical (e.g. whacker packer)
- Spoil/material to be loaded into trucks as quietly as practical (e.g. without dropping material from a height into the empty tray of the truck)





Table 32 Additional mitigation measures

Code	Measure	Description
AA	Alternative accommodation	Alternative accommodation options may be provided for residents living in close proximity to construction works that are likely to incur unreasonably high impacts over an extended period of time. Alternative accommodation will be determined on a case-by-case basis.
M	Monitoring	Where it has been identified that specific construction activities are likely to exceed the relevant noise or vibration goals, noise or vibration monitoring may be conducted at the affected receiver(s) or a nominated representative location (typically the nearest receiver where more than one receiver have been identified). Monitoring can be in the form of either unattended logging or operator attended surveys. The purpose of monitoring is to inform the relevant personnel when the noise or vibration goal has been exceeded so that additional management measures may be implemented.
IB	Individual briefings	Individual briefings are used to inform stakeholders about the impacts of high noise activities and mitigation measures that will be implemented. Communications representatives from the contractor would visit identified stakeholders at least 48 hours ahead of potentially disturbing construction activities. Individual briefings provide affected stakeholders with personalised contact and tailored advice, with the opportunity to comment on the project.
LB	Letterbox drops	For each Sydney Metro project, a newsletter is produced and distributed to the local community via letterbox drop and the project mailing list. These newsletters provide an overview of current and upcoming works across the project and other topics of interest. The objective is to engage and inform and provide project-specific messages. Advanced warning of potential disruptions (e.g. traffic changes or noisy works) can assist in reducing the impact on the community. Content and newsletter length is determined on a project-by-project basis. Most projects distribute notifications on a monthly basis. Each newsletter is graphically designed within a branded template.
RO	Respite offer	The purpose of a project specific respite offer is to provide residents subjected to lengthy periods of noise or vibration respite from an ongoing impact.
PC	Phone calls	Phone calls and/or emails detailing relevant information would be made to identified/affected stakeholders within 7 days of proposed work. Phone calls and/or emails provide affected stakeholders with personalised contact and tailored advice, with the opportunity to provide comments on the proposed work and specific needs etc.
SN	Specific notifications	Specific notifications would be letterbox dropped or hand distributed to identified stakeholders no later than 7 days ahead of construction activities that are likely to exceed the noise objectives. This form of communication is used to support periodic notifications, or to advertise unscheduled works.

Consultation summary to date

- In October 2022 the Westmead Communications team door knocked residents adjacent to the site to discuss temporary and permanent parking removal to accommodate right hand turn lane into the Westmead construction site. The intersections works were also discussed as well as the need to undertake those works at night time. No issues were raised by the community and no specific mitigation were identified.
- In April 2023 a specific Line marking notice was issued to residents outlining he work activities, equipment and location, and respite provided for these works. No concerns were raised by the community and no specific mitigation were identified. Following cancellation of those works, all receivers who had accepted the respite were advised, by email, that the work activity would be rescheduled.
- Specific notification of this rescheduled work activity was sent on 5 July 2023 and identifies plant, equipment and location. Westmead Communications Team has spoken to some residents who were home about the proposed night work and will door knock again on Monday 10 July to residents that have not responded to respite offer to remind them of the work activity and noise and vibration impacts.
- In July GLC also consulted with the residents about the work activities in Alexandra Ave and Hassall Street for water connections (same area). No issues were raised
- As part of our ongoing consultation with the community, 450 invitations were distributed to the closest community, inviting them to a community info session on Saturday 24 June 2023. Feedback has been that the community feels well informed of the project activities.
- The residents at Westmead have been extensively consulted by GLC about works outside of working hours and parking removal. To date, no concerns have been raised and no specific mitigation measures have been requested or identified by the community





Appendix A-1 Proposed activities and associated sound power levels - Stage 1

Alexandra Avenue & Hassall Street - Installation of New Traffic Detector & Pothole Repairs

To ensure safe access to site, a new traffic detector is required to be installed at signalised intersection of Alexandra Avenue & Hassall Street. While this is being completed, localised pothole repairs to existing road surface will also be completed.

7/10/2023 6:00:52 PM - 7/15/2023 8:00:06 AM

Equipment	Quantity	Usage	Reduction	SWL
Concrete Saw (Std)*	1	20 %	0	112
Daymakers / Lighting plant	2	100 %	0	96
Excavator 05 t (300 kg Breaker)*	1	20 %	0	110
Light vehicle	2	10 %	0	78
Tipper Truck	2	40 %	0	97
Vibratory Roller (3 tonne)*	1	20 %	0	101

Activity Sound Power Level: 114

^{*} includes 5 dB penalty for potentially annoying characteristics in line with the ICNG





Appendix A-2 Proposed activities and associated sound power levels - Stage 2

Alexandra Avenue & Hassall Street - Line Marking Removal

To allow line marking to be altered on Alexandra Avenue and Hassall Street, Westmead, existing line marking to be removed in identified locations. 7/10/2023 6:00:18 PM - 7/15/2023 8:00:33 AM

Equipment	Quantity	Usage	Reduction	SWL
Line Marking Removal Plant	1	50 %	0	97
Daymakers / Lighting plant	2	100 %	0	96
Light vehicle	2	10 %	0	78

Activity Sound Power Level: 100

^{*} includes 5 dB penalty for potentially annoying characteristics in line with the ICNG





Appendix A-3 - Proposed activities and associated sound power levels - Stage 3

Alexandra Avenue & Hassall Street - Line Marking Reinstatement

Installation of new line marking on Alexandra Avenue & Hassall Street, Westmead, to create a new turning lane into designated site entry gate. 7/10/2023 6:00:18 PM - 7/15/2023 8:00:33 AM

Equipment	Quantity	Usage	Reduction	SWL
Line Marking Plant	1	50 %	0	90
Daymakers / Lighting plant	2	100 %	0	96
Light vehicle	1	10 %	0	75

Activity Sound Power Level: 97

^{*} includes 5 dB penalty for potentially annoying characteristics in line with the ICNG



Appendix B-1 - Map showing worst case predicted noise impacts by impact class - Stage 1 - Night-time





Appendix B-2 - Map showing worst case predicted noise impacts by impact class - Stage 2 - Night-time





Appendix B-3 - Map showing worst case predicted noise impacts by impact class - Stage 3 - Night-time







Appendix C -1 Detailed predictions - Stage 1
C-1.1 Noise





Assessment: V Traffic Detecto		Local Area Works - Alexandra Avenue & H Marking	Hassall S	Street -		NML, LAeq	, 15 minute		Sleep	, LAmax	Predicted noise	level, dBA	Exceedance s	ummary									
											Cumulative				Exceed NM	1L by (dB):		Exceed sleep	p disturbance (dB):		Impact cla	assification	
NCA	Rec	Address	Flr	Land use	Day	O/day	Eve	Night	Screen	Awake	LAeq, 15 minute	LMax	Highly Affected?	Day	O/day	Eve	Night	Awake	Screen	Day	O/day	Eve	Night
NCA01	7440 37	"23 CENTRAL AV, WESTMEAD"	3	RES	58	53	51	46	Y		57	61		0	4	6	11	-	11	None	Noticable	Noticable	Clearly Audible
NCA01	7440 36	"23 CENTRAL AV, WESTMEAD"	2	RES	58	53	51	46	Y		56	61		0	3	5	10	-	10	None	Noticable	Noticable	Clearly Audible
NCA01	7440 35	"23 CENTRAL AV, WESTMEAD"	1	RES	58	53	51	46	Y		56	61		0	3	5	10	_	10	None	Noticable	Noticable	Clearly Audible
NCA01	7440 34	"12 CENTRAL AV, WESTMEAD"	3	RES	58	53	51	46	Y		56	60		0	3	5	10	-	10	None	Noticable	Noticable	Noticable
NCA01	7440 33	"12 CENTRAL AV, WESTMEAD"	2	RES	58	53	51	46			51	56		0	0	0	5	-	5	None	None	Noticable	Noticable
NCA01	7440 32	"12 CENTRAL AV, WESTMEAD"	1	RES	58	53	51	46			49	54		0	0	0	3	_	3	None	None	None	Noticable
NCA01	7440 31	"14 QUEENS RD, WESTMEAD"	3	RES	58	53	51	46			49	54		0	0	0	3	-	3	None	None	None	Noticable
NCA01	7440 30	"14 QUEENS RD, WESTMEAD"	2	RES	58	53	51	46			47	51		0	0	0	1	-	1	None	None	None	Noticable
NCA01	7440 28	"11 ALFRED ST, WESTMEAD"	2	RES	58	53	51	46			50	54		0	0	0	4	-	4	None	None	None	Noticable
NCA01	7440 27	"11 ALFRED ST, WESTMEAD"	1	RES	58	53	51	46			48	52		0	0	0	2	_	2	None	None	None	Noticable
NCA01	7440 19	"25 QUEENS RD, WESTMEAD"	3	RES	58	53	51	46	Y		53	58		0	0	2	7	-	7	None	Noticable	Noticable	Noticable
NCA01	7440 18	"25 QUEENS RD, WESTMEAD"	2	RES	58	53	51	46	Y		53	58		0	0	2	7	-	7	None	Noticable	Noticable	Noticable
NCA01	7440 17	"25 QUEENS RD, WESTMEAD"	1	RES	58	53	51	46	Υ		53	58		0	0	2	7	-	7	None	Noticable	Noticable	Noticable
NCA01	7440 11	"157 HAWKESBURY RD, WESTMEAD"	1	RES	58	53	51	46			47	51		0	0	0	1	-	1	None	None	None	Noticable
NCA01	7440 06	"21 CAROLINE ST, WESTMEAD"	3	RES	58	53	51	46			50	55		0	0	0	4	-	4	None	None	None	Noticable
NCA01	7440 05	"21 CAROLINE ST, WESTMEAD"	2	RES	58	53	51	46			48	53		0	0	0	2	-	2	None	None	None	Noticable
NCA01	7440 01	"18 CENTRAL AV, WESTMEAD"	1	RES	58	53	51	46	Y		58	63		0	5	7	12	-	12	None	Noticable	Noticable	Clearly Audible
NCA01	7440 00	"18 CENTRAL AV, WESTMEAD"	3	RES	58	53	51	46	Y		58	63		0	5	7	12	-	12	Noticable	Noticable	Noticable	Clearly Audible
NCA01	7439 99	"18 CENTRAL AV, WESTMEAD"	2	RES	58	53	51	46	Y		58	63		0	5	7	12	-	12	Noticable	Noticable	Noticable	Clearly Audible
NCA01	7439 94	"26 CAROLINE ST, WESTMEAD"	3	RES	58	53	51	46			51	55		0	0	0	5	-	5	None	None	None	Noticable
NCA01	7439 93	"26 CAROLINE ST, WESTMEAD"	2	RES	58	53	51	46			48	53		0	0	0	2	-	2	None	None	None	Noticable
NCA01	7439 87	"14 ALFRED ST, WESTMEAD"	3	RES	58	53	51	46	Y		53	58		0	0	2	7	-	7	None	Noticable	Noticable	Noticable
NCA01	7439 86	"14 ALFRED ST, WESTMEAD"	2	RES	58	53	51	46			51	55		0	0	0	5	-	5	None	None	None	Noticable
NCA01	7439 85	"14 ALFRED ST, WESTMEAD"	1	RES	58	53	51	46			48	53		0	0	0	2	-	2	None	None	None	Noticable
NCA01	7439 84	"2 ALFRED ST, WESTMEAD"	2	RES	58	53	51	46	Y		52	57		0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7439 83	"2 ALFRED ST, WESTMEAD"	1	RES	58	53	51	46			51	56		0	0	0	5	-	5	None	None	Noticable	Noticable
NCA01	7439 82	"29 QUEENS RD, WESTMEAD"	3	RES	58	53	51	46	Y		53	58		0	0	2	7	-	7	None	Noticable	Noticable	Noticable
NCA01	7439 81	"29 QUEENS RD, WESTMEAD"	2	RES	58	53	51	46	Y		53	58		0	0	2	7	-	7	None	None	Noticable	Noticable
NCA01	7439 80	"29 QUEENS RD, WESTMEAD"	1	RES	58	53	51	46	Υ		53	57		0	0	2	7	-	7	None	None	Noticable	Noticable
NCA01	7439 79	"3 QUEENS RD, WESTMEAD"	3	RES	58	53	51	46			47	52		0	0	0	1	-	1	None	None	None	Noticable
NCA01	7439 76	"22 CAROLINE ST, WESTMEAD"	1	RES	58	53	51	46			52	56		0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7439 75	"26 CENTRAL AV, WESTMEAD"	1	RES	58	53	51	46	Y		58	62		0	5	7	12	-	12	None	Noticable	Noticable	Clearly Audible
NCA01	7439 74	"24 CAROLINE ST, WESTMEAD"	3	RES	58	53	51	46			52	56		0	0	1	6	-	6	None	None	Noticable	Noticable





NCA01	7439 73	"24 CAROLINE ST, WESTMEAD"	2	RES	58	53	51	46			52	56	0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7439 72	"24 CAROLINE ST, WESTMEAD"	1	RES	58	53	51	46			51	56	0	0	0	5	-	5	None	None	Noticable	Noticable
NCA01	7439 71	"22 HELEN ST, WESTMEAD"	3	RES	58	53	51	46			49	54	0	0	0	3	-	3	None	None	None	Noticable
NCA01	7439 70	"22 HELEN ST, WESTMEAD"	2	RES	58	53	51	46			49	53	0	0	0	3	-	3	None	None	None	Noticable
NCA01	7439 69	"22 HELEN ST, WESTMEAD"	1	RES	58	53	51	46			48	53	0	0	0	2	-	2	None	None	None	Noticable
NCA01	7439 68	"24 HELEN ST, WESTMEAD"	3	RES	58	53	51	46			48	53	0	0	0	2	-	2	None	None	None	Noticable
NCA01	7439 65	"7 CENTRAL AV, WESTMEAD"	3	RES	58	53	51	46	Y	Υ	61	66	3	8	10	15	1	15	Noticable	Noticable	Clearly Audible	Clearly Audible
NCA01	7439 64	"7 CENTRAL AV, WESTMEAD"	2	RES	58	53	51	46	Υ		59	64	1	6	8	13	-	13	Noticable	Noticable	Noticable	Clearly Audible
NCA01	7439 63	"7 CENTRAL AV, WESTMEAD"	1	RES	58	53	51	46	Y		59	63	1	6	8	13	-	13	Noticable	Noticable	Noticable	Clearly Audible
NCA01	7439 62	"23 CAROLINE ST, WESTMEAD"	3	RES	58	53	51	46			49	54	0	0	0	3	-	3	None	None	None	Noticable
NCA01	7439 61	"23 CAROLINE ST, WESTMEAD"	2	RES	58	53	51	46			47	52	0	0	0	1	-	1	None	None	None	Noticable
NCA01	7439 59	"6-10 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46	Y	Y	68	72	10	15	17	22	7	22	Noticable	Clearly Audible	Clearly Audible	Moderately Intrusive
NCA01	7439 58	"6-10 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46	Y	Y	67	71	9	14	16	21	6	21	Noticable	Clearly Audible	Clearly Audible	Moderately Intrusive
NCA01	7439 57	"6-10 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46	Y	Y	66	70	8	13	15	20	5	20	Noticable	Clearly Audible	Clearly Audible	Clearly Audible
NCA01	7439 56	"10 PARK AV, WESTMEAD"	2	RES	58	53	51	46			49	53	0	0	0	3	-	3	None	None	None	Noticable
NCA01	7439 49	"6 CENTRAL AV, WESTMEAD"	2	RES	58	53	51	46	Y	Y	65	70	7	12	14	19	5	19	Noticable	Clearly Audible	Clearly Audible	Clearly Audible
NCA01	7439 48	"6 CENTRAL AV, WESTMEAD"	1	RES	58	53	51	46	Y	Y	65	69	7	12	14	19	4	19	Noticable	Clearly Audible	Clearly Audible	Clearly Audible
NCA01	7439 43	"11 CAROLINE ST, WESTMEAD"	3	RES	58	53	51	46			50	54	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7439 42	"11 CAROLINE ST, WESTMEAD"	2	RES	58	53	51	46			49	54	0	0	0	3	_	3	None	None	None	Noticable
NCA01	7439 41	"11 CAROLINE ST, WESTMEAD"	1	RES	58	53	51	46			49	54	0	0	0	3	_	3	None	None	None	Noticable
NCA01	7439 40	"33 QUEENS RD, WESTMEAD"	3	RES	58	53	51	46			51	55	0	0	0	5	_	5	None	None	None	Noticable
NCA01	7439 39	"33 QUEENS RD, WESTMEAD"	2	RES	58	53	51	46			47	51	0	0	0	1	_	1	None	None	None	Noticable
NCA01	7439 37	"179 HAWKESBURY RD, WESTMEAD"	3	RES	58	53	51	46			47	52	0	0	0	1	_	1	None	None	None	Noticable
NCA01	7439 33	"17 QUEENS RD, WESTMEAD"	2	RES	58	53	51	46			50	55	0	0	0	4	_	4	None	None	None	Noticable
NCA01	7439 32	"17 QUEENS RD, WESTMEAD"	1	RES	58	53	51	46			47	52	0	0	0	1	-	1	None	None	None	Noticable
NCA01	7439 31	"12 CAROLINE ST, WESTMEAD"	2	RES	58	53	51	46			46	51	0	0	0	0	-	0	None	None	None	Noticable
NCA01	7439 28	"21 CENTRAL AV, WESTMEAD"	3	RES	58	53	51	46	Y		55	59	0	2	4	9	-	9	None	Noticable	Noticable	Noticable
NCA01	7439 27	"21 CENTRAL AV, WESTMEAD"	2	RES	58	53	51	46	Y		54	58	0	1	3	8	_	8	None	Noticable	Noticable	Noticable
NCA01	7439 26	"21 CENTRAL AV, WESTMEAD"	1	RES	58	53	51	46	Y		53	58	0	0	2	7	_	7	None	Noticable	Noticable	Noticable
NCA01	7439 25	"4 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46	Y	Y	65	69	7	12	14	19	4	19	Noticable	Clearly Audible	Clearly Audible	Clearly Audible
NCA01	7439 24	"4 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46	Y	Y	64	69	6	11	13	18	4	18	Noticable	Clearly Audible	Clearly Audible	Clearly Audible
NCA01	7439 23	"4 RAILWAY PDE, WESTMEAD"	1	RES		53			Y	Y	63	68	5	10	12	17		17	Noticable		Clearly Audible	Clearly Audible
	7439				58		51	46		Ť	53	58	0	0	2	7	3	7		Clearly Audible		
NCA01	7439	"12 ALFRED ST, WESTMEAD"	3	RES	58	53	51	46	Y					0					None	Noticable	Noticable	Noticable
NCA01	7439	"12 ALFRED ST, WESTMEAD"	2	RES	58	53	51	46	Y		53	57	0		2	7	-	7	None	None	Noticable	Noticable
NCA01	18 7439	"12 ALFRED ST, WESTMEAD"	1	RES	58	53	51	46	Y		52	57	0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	15	"9 PARK AV, WESTMEAD"	2	RES	58	53	51	46			48	53	0	0	0	2	-	2	None	None	None	Noticable





NCA01	7439 13	"2 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46	Υ	Υ	63	67	5	10	12	17	2	17	Noticable	Noticable	Clearly Audible	Clearly Audible
NCA01	7439 12	"2 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46	Y	Υ	62	67	4	9	11	16	2	16	Noticable	Noticable	Clearly Audible	Clearly Audible
NCA01	7439 11	"2 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46	Y	Υ	62	66	4	9	11	16	1	16	Noticable	Noticable	Clearly Audible	Clearly Audible
NCA01	7439 09	"16 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46	Y	Υ	67	72	9	14	16	21	7	21	Noticable	Clearly Audible	Clearly Audible	Moderately Intrusive
NCA01	7439 08	"16 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46	Y	Υ	67	71	9	14	16	21	6	21	Noticable	Clearly Audible	Clearly Audible	Moderately Intrusive
NCA01	7439 07	"16 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46	Y	Υ	66	71	8	13	15	20	6	20	Noticable	Clearly Audible	Clearly Audible	Moderately Intrusive
NCA01	7439 00	"18 ALFRED ST, WESTMEAD"	2	RES	58	53	51	46			49	53	0	0	0	3	-	3	None	None	None	Noticable
NCA01	7438 99	"18 ALFRED ST, WESTMEAD"	1	RES	58	53	51	46			47	51	0	0	0	1	-	1	None	None	None	Noticable
NCA01	7438 95	"15 ALFRED ST, WESTMEAD"	3	RES	58	53	51	46	Υ		53	58	0	0	2	7	-	7	None	None	Noticable	Noticable
NCA01	7438 94	"15 ALFRED ST, WESTMEAD"	2	RES	58	53	51	46			50	54	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7438 93	"15 ALFRED ST, WESTMEAD"	1	RES	58	53	51	46			48	53	0	0	0	2	-	2	None	None	None	Noticable
NCA01	7438 85	"1 ALFRED ST, WESTMEAD"	3	RES	58	53	51	46	Y		53	58	0	0	2	7	-	7	None	Noticable	Noticable	Noticable
NCA01	7438 84	"1 ALFRED ST, WESTMEAD"	2	RES	58	53	51	46			50	54	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7438 83	"1 ALFRED ST, WESTMEAD"	1	RES	58	53	51	46			47	52	0	0	0	1	-	1	None	None	None	Noticable
NCA01	7438 76	"23 QUEENS RD, WESTMEAD"	4	RES	58	53	51	46	Y		54	58	0	1	3	8	-	8	None	Noticable	Noticable	Noticable
NCA01	7438 75	"23 QUEENS RD, WESTMEAD"	3	RES	58	53	51	46	Y		53	58	0	0	2	7	-	7	None	Noticable	Noticable	Noticable
NCA01	7438 74	"23 QUEENS RD, WESTMEAD"	2	RES	58	53	51	46	Y		53	58	0	0	2	7	-	7	None	Noticable	Noticable	Noticable
NCA01	7438 73	"23 QUEENS RD, WESTMEAD"	1	RES	58	53	51	46	Y		53	58	0	0	2	7	-	7	None	Noticable	Noticable	Noticable
NCA01	7438 71	"18A CAROLINE ST, WESTMEAD"	3	RES	58	53	51	46			52	56	0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7438 70	"18A CAROLINE ST, WESTMEAD"	2	RES	58	53	51	46			51	56	0	0	0	5	-	5	None	None	Noticable	Noticable
NCA01	7438 69	"18A CAROLINE ST, WESTMEAD"	1	RES	58	53	51	46			50	55	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7438 66	"6-10 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46	Y	Υ	63	67	5	10	12	17	2	17	Noticable	Noticable	Clearly Audible	Clearly Audible
NCA01	7438 65	"6-10 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46	Y	Υ	61	66	3	8	10	15	1	15	Noticable	Noticable	Clearly Audible	Clearly Audible
NCA01	7438 64	"6-10 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46	Y		60	65	2	7	9	14	-	14	Noticable	Noticable	Noticable	Clearly Audible
NCA01	7438 63	"13 ALFRED ST, WESTMEAD"	3	RES	58	53	51	46	Υ		53	57	0	0	2	7	-	7	None	None	Noticable	Noticable
NCA01	7438 62	"13 ALFRED ST, WESTMEAD"	2	RES	58	53	51	46			50	55	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7438 61	"13 ALFRED ST, WESTMEAD"	1	RES	58	53	51	46			48	53	0	0	0	2	-	2	None	None	None	Noticable
NCA01	7438 55	"26 HELEN ST, WESTMEAD"	4	RES	58	53	51	46			48	53	0	0	0	2	-	2	None	None	None	Noticable
NCA01	7438 54	"26 HELEN ST, WESTMEAD"	3	RES	58	53	51	46			46	51	0	0	0	0	-	0	None	None	None	Noticable
NCA01	7438 47	"28 CAROLINE ST, WESTMEAD"	2	RES	58	53	51	46			47	51	0	0	0	1	-	1	None	None	None	Noticable
NCA01	7438 45	"1-3 PARK AV, WESTMEAD"	3	RES	58	53	51	46	Y	Υ	61	66	3	8	10	15	1	15	Noticable	Noticable	Clearly Audible	Clearly Audible
NCA01	7438 44	"1-3 PARK AV, WESTMEAD"	2	RES	58	53	51	46	Υ		61	65	3	8	10	15	-	15	Noticable	Noticable	Noticable	Clearly Audible
NCA01	7438 43	"1-3 PARK AV, WESTMEAD"	1	RES	58	53	51	46	Υ		60	65	2	7	9	14	-	14	Noticable	Noticable	Noticable	Clearly Audible
NCA01	7438 42	"14 CAROLINE ST, WESTMEAD"	4	RES	58	53	51	46			51	56	0	0	0	5	-	5	None	None	Noticable	Noticable
NCA01	7438 41	"14 CAROLINE ST, WESTMEAD"	3	RES	58	53	51	46			49	54	0	0	0	3	-	3	None	None	None	Noticable
NCA01	7438 40	"14 CAROLINE ST, WESTMEAD"	2	RES	58	53	51	46			47	51	0	0	0	1	-	1	None	None	None	Noticable
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NCA01	7438 26	"19 QUEENS RD, WESTMEAD"	3	RES	58	53	51	46	Y		52	57	0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7438 25	"19 QUEENS RD, WESTMEAD"	2	RES	58	53	51	46			51	56	0	0	0	5	-	5	None	None	Noticable	Noticable
NCA01	7438 24	"19 QUEENS RD, WESTMEAD"	1	RES	58	53	51	46			49	54	0	0	0	3	-	3	None	None	None	Noticable
NCA01	7438 23	"7 MAPLE TREE RD, WESTMEAD"	10	RES	58	53	51	46	Y		53	58	0	0	2	7	-	7	None	None	Noticable	Noticable
NCA01	7438 22	"7 MAPLE TREE RD, WESTMEAD"	9	RES	58	53	51	46	Y		53	58	0	0	2	7	-	7	None	None	Noticable	Noticable
NCA01	7438 21	"7 MAPLE TREE RD, WESTMEAD"	8	RES	58	53	51	46	Y		53	57	0	0	2	7	-	7	None	None	Noticable	Noticable
NCA01	7438 20	"7 MAPLE TREE RD, WESTMEAD"	7	RES	58	53	51	46	Y		53	57	0	0	2	7	-	7	None	None	Noticable	Noticable
NCA01	7438 19	"7 MAPLE TREE RD, WESTMEAD"	6	RES	58	53	51	46	Y		52	57	0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7438 18	"7 MAPLE TREE RD, WESTMEAD"	5	RES	58	53	51	46	Y		52	57	0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7438 17	"7 MAPLE TREE RD, WESTMEAD"	4	RES	58	53	51	46	Y		52	57	0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7438 16	"7 MAPLE TREE RD, WESTMEAD"	3	RES	58	53	51	46			52	56	0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7438 15	"7 MAPLE TREE RD, WESTMEAD"	2	RES	58	53	51	46			51	56	0	0	0	5	-	5	None	None	Noticable	Noticable
NCA01	7438 14	"7 MAPLE TREE RD, WESTMEAD"	1	RES	58	53	51	46			50	55	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7438 12	"17 CAROLINE ST, WESTMEAD"	1	RES	58	53	51	46			50	55	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7438 09	"8 CENTRAL AV, WESTMEAD"	2	RES	58	53	51	46	Y	Υ	63	68	5	10	12	17	3	17	Noticable	Clearly Audible	Clearly Audible	Clearly Audible
NCA01	7438 08	"8 CENTRAL AV, WESTMEAD"	1	RES	58	53	51	46	Y	Y	63	67	5	10	12	17	2	17	Noticable	Noticable	Clearly Audible	Clearly Audible
NCA01	7438 07	"22 CENTRAL AV, WESTMEAD"	1	RES	58	53	51	46	Y		58	63	0	5	7	12	-	12	Noticable	Noticable	Noticable	Clearly Audible
NCA01	7438 06	"163B-171B HAWKESBURY RD, WESTMEAD"	4	RES	58	53	51	46	Y		52	57	0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7438 05	"163B-171B HAWKESBURY RD, WESTMEAD"	3	RES	58	53	51	46			48	53	0	0	0	2	-	2	None	None	None	Noticable
NCA01	7438 00	"18 CAROLINE ST, WESTMEAD"	3	RES	58	53	51	46			50	54	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7437 99	"18 CAROLINE ST, WESTMEAD"	2	RES	58	53	51	46			49	54	0	0	0	3	-	3	None	None	None	Noticable
NCA01	7437 98	"18 CAROLINE ST, WESTMEAD"	1	RES	58	53	51	46			49	54	0	0	0	3	-	3	None	None	None	Noticable
NCA01	7437 97	"17 CENTRAL AV, WESTMEAD"	1	RES	58	53	51	46	Y		58	63	0	5	7	12	-	12	Noticable	Noticable	Noticable	Clearly Audible
NCA01	7437 93	1 CAROLIN	1	RES	58	53	51	46			46	51	0	0	0	0	-	0	None	None	None	Noticable
NCA01	7437 92	"28 QUEENS RD, WESTMEAD"	2	RES	58	53	51	46			47	52	0	0	0	1	-	1	None	None	None	Noticable
NCA01	7437 89	"18 QUEENS RD, WESTMEAD"	2	RES	58	53	51	46	Y		56	61	0	3	5	10	-	10	None	Noticable	Noticable	Noticable
NCA01	7437 88	"18 QUEENS RD, WESTMEAD"	1	RES	58	53	51	46	Y		56	60	0	3	5	10	-	10	None	Noticable	Noticable	Noticable
NCA01	7437 84	"24 HELEN ST, WESTMEAD"	2	RES	58	53	51	46			47	52	0	0	0	1	-	1	None	None	None	Noticable
NCA01	7437 80	"8 QUEENS RD, WESTMEAD"	4	RES	58	53	51	46	Y		54	58	0	1	3	8	-	8	None	Noticable	Noticable	Noticable
NCA01	7437 79	"8 QUEENS RD, WESTMEAD"	3	RES	58	53	51	46	Y		52	57	0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7437 78	"8 QUEENS RD, WESTMEAD"	2	RES	58	53	51	46			51	55	0	0	0	5	-	5	None	None	None	Noticable
NCA01	7437 77	"8 QUEENS RD, WESTMEAD"	1	RES	58	53	51	46			48	53	0	0	0	2	-	2	None	None	None	Noticable
NCA01	7437 74	"11-13 CENTRAL AV, WESTMEAD"	3	RES	58	53	51	46	Y		60	65	2	7	9	14	-	14	Noticable	Noticable	Noticable	Clearly Audible
NCA01	7437 73	"11-13 CENTRAL AV, WESTMEAD"	2	RES	58	53	51	46	Y		59	64	1	6	8	13	-	13	Noticable	Noticable	Noticable	Clearly Audible
NCA01	7437 72	"11-13 CENTRAL AV, WESTMEAD"	1	RES	58	53	51	46	Y		59	63	1	6	8	13	-	13	Noticable	Noticable	Noticable	Clearly Audible
NCA01	7437 71	"11 QUEENS RD, WESTMEAD"	3	RES	58	53	51	46	·		50	54	0	0	0	4	_	4	None	None	None	Noticable
ITCAUI	/1	11 QUELIO IID, WESTIVIEND	,	I ILLS	30		- 31	-70			30	J-4	J	3	, ,	-		-7	110110	140110	INOTIC	Hoticabic





NCA01	7437 70	"11 QUEENS RD, WESTMEAD"	2	RES	58	53	51	46			48	52	0	0	0	2	-	2	None	None	None	Noticable
NCA01	7437 66	"163-171 HAWKESBURY RD, WESTMEAD"	4	RES	58	53	51	46			48	52	0	0	0	2	-	2	None	None	None	Noticable
NCA01	7437 63	"175 HAWKESBURY RD, WESTMEAD"	2	RES	58	53	51	46			48	53	0	0	0	2	-	2	None	None	None	Noticable
NCA01	7437 61	"20 CAROLINE ST, WESTMEAD"	1	RES	58	53	51	46			51	55	0	0	0	5	-	5	None	None	None	Noticable
NCA01	7437 59	"14A CENTRAL AV, WESTMEAD"	3	RES	58	53	51	46	Υ		53	57	0	0	2	7	-	7	None	None	Noticable	Noticable
NCA01	7437 58	"14A CENTRAL AV, WESTMEAD"	2	RES	58	53	51	46			48	53	0	0	0	2	-	2	None	None	None	Noticable
NCA01	7437 57	"14A CENTRAL AV, WESTMEAD"	1	RES	58	53	51	46			47	51	0	0	0	1	-	1	None	None	None	Noticable
NCA01	7437 55	"12 ALFRED ST, WESTMEAD"	3	RES	58	53	51	46			52	56	0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7437 54	"12 ALFRED ST, WESTMEAD"	2	RES	58	53	51	46			50	54	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7437 53	"12 ALFRED ST, WESTMEAD"	1	RES	58	53	51	46			47	52	0	0	0	1	-	1	None	None	None	Noticable
NCA01	7437 52	"14 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46	Y	Υ	68	73	10	15	17	22	8	22	Noticable	Clearly Audible	Clearly Audible	Moderately Intrusive
NCA01	7437 51	"14 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46	Y	Y	67	71	9	14	16	21	6	21	Noticable	Clearly Audible	Clearly Audible	Moderately Intrusive
NCA01	7437 46	"16 CAROLINE ST, WESTMEAD"	4	RES	58	53	51	46	Y		52	57	0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7437 45	"16 CAROLINE ST, WESTMEAD"	3	RES	58	53	51	46			51	55	0	0	0	5	-	5	None	None	None	Noticable
NCA01	7437 44	"16 CAROLINE ST, WESTMEAD"	2	RES	58	53	51	46			49	54	0	0	0	3	-	3	None	None	None	Noticable
NCA01	7437 43	"16 CAROLINE ST, WESTMEAD"	1	RES	58	53	51	46			48	52	0	0	0	2	-	2	None	None	None	Noticable
NCA01	7437 42	"158 HAWKESBURY RD, WESTMEAD"	5	EDU	55	55	55	55			56	60	1	1	1	1	-	1	Noticable	Noticable	Noticable	Noticable
NCA01	7437 37	"159 HAWKESBURY RD, WESTMEAD"	2	RES	58	53	51	46			47	51	0	0	0	1	-	1	None	None	None	Noticable
NCA01	7437 35	"25 HELEN ST, WESTMEAD"	3	RES	58	53	51	46			47	52	0	0	0	1	-	1	None	None	None	Noticable
NCA01	7437 32	"CAROLINE'S COURT 10 CAROLINE ST, WESTMEAD"	3	RES	58	53	51	46			50	55	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7437 31	"CAROLINE'S COURT 10 CAROLINE ST, WESTMEAD"	2	RES	58	53	51	46			47	52	0	0	0	1	-	1	None	None	None	Noticable
NCA01	7437 29	"4 ALFRED ST, WESTMEAD"	3	RES	58	53	51	46			52	56	0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7437 28	"4 ALFRED ST, WESTMEAD"	2	RES	58	53	51	46			50	54	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7437 27	"4 ALFRED ST, WESTMEAD"	1	RES	58	53	51	46			47	52	0	0	0	1	-	1	None	None	None	Noticable
NCA01	7437 22	2 HELEN ST	7	RES	58	53	51	46			50	55	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7437 21	2 HELEN ST	6	RES	58	53	51	46			50	55	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7437	2 HELEN ST	5	RES	58	53	51	46			49	54	0	0	0	3	-	3	None	None	None	Noticable
NCA01	7437 19	2 HELEN ST	4	RES	58	53	51	46			49	54	0	0	0	3	-	3	None	None	None	Noticable
NCA01	7437 18	2 HELEN ST	3	RES	58	53	51	46			47	52	0	0	0	1	-	1	None	None	None	Noticable
NCA01	7437 15	"16 CENTRAL AV, WESTMEAD"	4	RES	58	53	51	46	Y		55	60	0	2	4	9	-	9	None	Noticable	Noticable	Noticable
NCA01	7437 14	"16 CENTRAL AV, WESTMEAD"	3	RES	58	53	51	46	Y		53	57	0	0	2	7	-	7	None	None	Noticable	Noticable
NCA01	7437 13	"16 CENTRAL AV, WESTMEAD"	2		58	53	51	46			50	55	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7437 12	"16 CENTRAL AV, WESTMEAD"	1	RES	58	53	51	46			47	52	0	0	0	1	-	1	None	None	None	Noticable
NCA01	7437 09	"175 HAWKESBURY RD, WESTMEAD"	3	RES	58	53	51	46	Y		52	57	0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7437 08	"175 HAWKESBURY RD, WESTMEAD"	2	RES	58	53	51	46			49	53	0	0	0	3	-	3	None	None	None	Noticable
NCA01	7437 04	"22 CENTRAL AV, WESTMEAD"	2	RES	58	53	51	46			48	53	0	0	0	2	_	2	None	None	None	Noticable
INCUUI	04	LE CEITITULE AV, WESTIVILAD		ILLS	30	- 33	31	70			70		 U	U	U				INOTIC	INOTIC	INOTIC	INJUICANIE





NCA01	7437 02	"185 HAWKESBURY RD, WESTMEAD"	3	RES	58	53	51	46			47	52	0	0	0	1	-	1	None	None	None	Noticable
NCA01	7436 98	"7 ALFRED ST, WESTMEAD"	1	RES	58	53	51	46			47	52	0	0	0	1	-	1	None	None	None	Noticable
NCA01	7436 97	"19 HELEN ST, WESTMEAD"	3	RES	58	53	51	46			47	52	0	0	0	1	-	1	None	None	None	Noticable
NCA01	7436 96	"19 HELEN ST, WESTMEAD"	2	RES	58	53	51	46			47	51	0	0	0	1	-	1	None	None	None	Noticable
NCA01	7436 93	"30 QUEENS RD, WESTMEAD"	3	RES	58	53	51	46			51	56	0	0	0	5	-	5	None	None	Noticable	Noticable
NCA01	7436 92	"30 QUEENS RD, WESTMEAD"	2	RES	58	53	51	46			48	53	0	0	0	2	-	2	None	None	None	Noticable
NCA01	7436 90	"14 CENTRAL AV, WESTMEAD"	3	RES	58	53	51	46	Y		60	65	2	7	9	14	-	14	Noticable	Noticable	Noticable	Clearly Audible
NCA01	7436 89	"14 CENTRAL AV, WESTMEAD"	2	RES	58	53	51	46	Υ		60	64	2	7	9	14	-	14	Noticable	Noticable	Noticable	Clearly Audible
NCA01	7436 88	"14 CENTRAL AV, WESTMEAD"	1	RES	58	53	51	46	Υ		59	64	1	6	8	13	-	13	Noticable	Noticable	Noticable	Clearly Audible
NCA01	7436 87	"15 CENTRAL AV, WESTMEAD"	3	RES	58	53	51	46	Υ		60	64	2	7	9	14	-	14	Noticable	Noticable	Noticable	Clearly Audible
NCA01	7436 86	"15 CENTRAL AV, WESTMEAD"	2	RES	58	53	51	46	Υ		59	63	1	6	8	13	-	13	Noticable	Noticable	Noticable	Clearly Audible
NCA01	7436 85	"15 CENTRAL AV, WESTMEAD"	1	RES	58	53	51	46	Υ		58	63	0	5	7	12	-	12	Noticable	Noticable	Noticable	Clearly Audible
NCA01	7436 78	"21 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46	Υ	Υ	65	70	7	12	14	19	5	19	Noticable	Clearly Audible	Clearly Audible	Clearly Audible
NCA01	7436 77	"21 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46	Υ	Υ	65	69	7	12	14	19	4	19	Noticable	Clearly Audible	Clearly Audible	Clearly Audible
NCA01	7436 76	"21 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46	Υ	Υ	64	69	6	11	13	18	4	18	Noticable	Clearly Audible	Clearly Audible	Clearly Audible
NCA01	7436 75	"23 HELEN ST, WESTMEAD"	3	RES	58	53	51	46			48	52	0	0	0	2	-	2	None	None	None	Noticable
NCA01	7436 74	"23 HELEN ST, WESTMEAD"	2	RES	58	53	51	46			46	51	0	0	0	0	-	0	None	None	None	Noticable
NCA01	7436 71	"3 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46	Y	Y	64	68	6	11	13	18	3	18	Noticable	Clearly Audible	Clearly Audible	Clearly Audible
NCA01	7436 70	"3 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46	Y	Y	63	68	5	10	12	17	3	17	Noticable	Clearly Audible	Clearly Audible	Clearly Audible
NCA01	7436 69	"3 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46	Y	Υ	63	67	5	10	12	17	2	17	Noticable	Noticable	Clearly Audible	Clearly Audible
NCA01	7436 68	"7 QUEENS RD, WESTMEAD"	3	RES	58	53	51	46			47	52	0	0	0	1	-	1	None	None	None	Noticable
NCA01	7436 63	"22-26 QUEENS RD, WESTMEAD"	1	RES	58	53	51	46	Y		56	60	0	3	5	10	-	10	None	Noticable	Noticable	Noticable
NCA01	7436 62	"22-26 QUEENS RD, WESTMEAD"	4	RES	58	53	51	46	Y		56	61	0	3	5	10	-	10	None	Noticable	Noticable	Clearly Audible
NCA01	7436 61	"22-26 QUEENS RD, WESTMEAD"	3	RES	58	53	51	46	Y		56	61	0	3	5	10	-	10	None	Noticable	Noticable	Clearly Audible
NCA01	7436 60	"22-26 QUEENS RD, WESTMEAD"	2	RES	58	53	51	46	Y		56	61	0	3	5	10	-	10	None	Noticable	Noticable	Noticable
NCA01	7436 55	"11 CAROLINE ST, WESTMEAD"	3	RES	58	53	51	46			50	54	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7436 54	"11 CAROLINE ST, WESTMEAD"	2	RES	58	53	51	46			50	54	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7436 53	"11 CAROLINE ST, WESTMEAD"	1	RES	58	53	51	46			49	54	0	0	0	3	-	3	None	None	None	Noticable
NCA01	7436 52	"9 ALFRED ST, WESTMEAD"	1	RES	58	53	51	46			48	53	0	0	0	2	-	2	None	None	None	Noticable
NCA01	7436 33	"9 MAPLE TREE RD, WESTMEAD"	9	RES	58	53	51	46	Y		52	57	0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7436 32	"9 MAPLE TREE RD, WESTMEAD"	8	RES	58	53	51	46			52	56	0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7436 31	"9 MAPLE TREE RD, WESTMEAD"	7	RES	58	53	51	46			51	56	0	0	0	5	-	5	None	None	Noticable	Noticable
NCA01	7436 30	"9 MAPLE TREE RD, WESTMEAD"	6	RES	58	53	51	46			51	56	0	0	0	5		5	None	None	Noticable	Noticable
NCA01	7436 29	"9 MAPLE TREE RD, WESTMEAD"	5	RES	58	53	51	46			51	56	0	0	0	5		5	None	None	None	Noticable
NCA01	7436 28	"9 MAPLE TREE RD, WESTMEAD"	4	RES	58	53	51	46			51	56	0	0	0	5	-	5	None	None	None	Noticable
	7436															5						
NCA01	27	"9 MAPLE TREE RD, WESTMEAD"	3	RES	58	53	51	46			51	55	0	0	0	5	-	5	None	None	None	Noticable





NCA01	7436 26	"9 MAPLE TREE RD, WESTMEAD"	2	RES	58	53	51	46			50	55	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7436 25	"9 MAPLE TREE RD, WESTMEAD"	1	RES	58	53	51	46			50	54	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7436 24	2 HELEN ST	6	RES	58	53	51	46			49	54	0	0	0	3	-	3	None	None	None	Noticable
NCA01	7436 23	2 HELEN ST	5	RES	58	53	51	46			49	54	0	0	0	3	-	3	None	None	None	Noticable
NCA01	7436 11	"6-10 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46	Y	Υ	66	71	8	13	15	20	6	20	Noticable	Clearly Audible	Clearly Audible	Moderately Intrusive
NCA01	7436 10	"6-10 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46	Y	Υ	66	70	8	13	15	20	5	20	Noticable	Clearly Audible	Clearly Audible	Clearly Audible
NCA01	7436 09	"6-10 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46	Y	Υ	65	69	7	12	14	19	4	19	Noticable	Clearly Audible	Clearly Audible	Clearly Audible
NCA01	7436 05	"163B-171B HAWKESBURY RD, WESTMEAD"	4	RES	58	53	51	46	Υ		53	57	0	0	2	7	-	7	None	None	Noticable	Noticable
NCA01	7436 04	"163B-171B HAWKESBURY RD, WESTMEAD"	3	RES	58	53	51	46			49	54	0	0	0	3	-	3	None	None	None	Noticable
NCA01	7436 03	"163B-171B HAWKESBURY RD, WESTMEAD"	2	RES	58	53	51	46			47	52	0	0	0	1	-	1	None	None	None	Noticable
NCA01	7436 01	"13 CAROLINE ST, WESTMEAD"	2	RES	58	53	51	46			51	56	0	0	0	5	-	5	None	None	Noticable	Noticable
NCA01	7436 00	"13 CAROLINE ST, WESTMEAD"	1	RES	58	53	51	46			51	55	0	0	0	5	-	5	None	None	None	Noticable
NCA01	7435 89	"1 MAPLE TREE RD, WESTMEAD"	16	RES	58	53	51	46	Y		55	59	0	2	4	9	-	9	None	Noticable	Noticable	Noticable
NCA01	7435 88	"1 MAPLE TREE RD, WESTMEAD"	15	RES	58	53	51	46	Υ		55	59	0	2	4	9	-	9	None	Noticable	Noticable	Noticable
NCA01	7435 87	"1 MAPLE TREE RD, WESTMEAD"	14	RES	58	53	51	46	Υ		55	59	0	2	4	9	-	9	None	Noticable	Noticable	Noticable
NCA01	7435 86	"1 MAPLE TREE RD, WESTMEAD"	13	RES	58	53	51	46	Y		55	60	0	2	4	9	-	9	None	Noticable	Noticable	Noticable
NCA01	7435 85	"1 MAPLE TREE RD, WESTMEAD"	12	RES	58	53	51	46	Υ		55	60	0	2	4	9	-	9	None	Noticable	Noticable	Noticable
NCA01	7435 84	"1 MAPLE TREE RD, WESTMEAD"	11	RES	58	53	51	46	Y		55	60	0	2	4	9	-	9	None	Noticable	Noticable	Noticable
NCA01	7435 83	"1 MAPLE TREE RD, WESTMEAD"	10	RES	58	53	51	46	Y		55	60	0	2	4	9	-	9	None	Noticable	Noticable	Noticable
NCA01	7435 82	"1 MAPLE TREE RD, WESTMEAD"	9	RES	58	53	51	46	Υ		55	59	0	2	4	9	-	9	None	Noticable	Noticable	Noticable
NCA01	7435 81	"1 MAPLE TREE RD, WESTMEAD"	8	RES	58	53	51	46	Υ		54	59	0	1	3	8	-	8	None	Noticable	Noticable	Noticable
NCA01	7435 80	"1 MAPLE TREE RD, WESTMEAD"	7	RES	58	53	51	46	Υ		54	58	0	1	3	8	-	8	None	Noticable	Noticable	Noticable
NCA01	7435 79	"1 MAPLE TREE RD, WESTMEAD"	6	RES	58	53	51	46	Y		53	58	0	0	2	7	-	7	None	Noticable	Noticable	Noticable
NCA01	7435 78	"1 MAPLE TREE RD, WESTMEAD"	5	RES	58	53	51	46	Y		53	58	0	0	2	7	-	7	None	Noticable	Noticable	Noticable
NCA01	7435 77	"1 MAPLE TREE RD, WESTMEAD"	4	RES	58	53	51	46	Y		53	58	0	0	2	7	-	7	None	None	Noticable	Noticable
NCA01	7435 76	"1 MAPLE TREE RD, WESTMEAD"	3	RES	58	53	51	46	Υ		53	57	0	0	2	7	-	7	None	None	Noticable	Noticable
NCA01	7435 75	"1 MAPLE TREE RD, WESTMEAD"	2	RES	58	53	51	46	Y		52	57	0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7435 74	"1 MAPLE TREE RD, WESTMEAD"	1	RES	58	53	51	46			52	56	0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7435 73	"175 HAWKESBURY RD, WESTMEAD"	2	RES	58	53	51	46			50	54	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7435 72	"175 HAWKESBURY RD, WESTMEAD"	1	RES	58	53	51	46			47	51	0	0	0	1	-	1	None	None	None	Noticable
NCA01	7435 70	"5 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46	Υ	Υ	66	70	8	13	15	20	5	20	Noticable	Clearly Audible	Clearly Audible	Clearly Audible
NCA01	7435 69	"5 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46	Υ	Υ	65	70	7	12	14	19	5	19	Noticable	Clearly Audible	Clearly Audible	Clearly Audible
NCA01	7435 68	"5 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46	Y		60	65	2	7	9	14	-	14	Noticable	Noticable	Noticable	Clearly Audible
NCA01	7435 62	"16 QUEENS RD, WESTMEAD"	2	RES	58	53	51	46			47	51	0	0	0	1	-	1	None	None	None	Noticable
NCA01	7435 57	"181 HAWKESBURY RD, WESTMEAD"	8	RES	58	53	51	46			50	55	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7435 56	"181 HAWKESBURY RD, WESTMEAD"	7	RES	58	53	51	46			50	55	0	0	0	4	-	4	None	None	None	Noticable





NCA01	7435 55	"181 HAWKESBURY RD, WESTMEAD"	6	RES	58	53	51	46			50	54	0	0	0	4	_	4	None	None	None	Noticable
NCAUI	7435	101 HAWKESBORT RD, WESTIWIEAD	0	KES	36	33	31	40			30	34	0	0	0	4	-	4	None	None	None	Noticable
NCA01	54 7435	"181 HAWKESBURY RD, WESTMEAD"	5	RES	58	53	51	46			51	56	0	0	0	5	-	5	None	None	Noticable	Noticable
NCA01	53	"181 HAWKESBURY RD, WESTMEAD"	4	RES	58	53	51	46			51	55	0	0	0	5	-	5	None	None	None	Noticable
NCA01	7435 52	"181 HAWKESBURY RD, WESTMEAD"	3	RES	58	53	51	46			49	53	0	0	0	3	-	3	None	None	None	Noticable
NCA01	7435 49	"31 QUEENS RD, WESTMEAD"	3	RES	58	53	51	46			50	55	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7435 48	"31 QUEENS RD, WESTMEAD"	2	RES	58	53	51	46			46	51	0	0	0	0	_	0	None	None	None	Noticable
	7435													-								
NCA01	38 7435	"17 CAROLINE ST, WESTMEAD"	3	RES	58	53	51	46			51	55	0	0	0	5	-	5	None	None	None	Noticable
NCA01	37 7435	"17 CAROLINE ST, WESTMEAD"	2	RES	58	53	51	46			51	55	0	0	0	5	-	5	None	None	None	Noticable
NCA01	36	"17 CAROLINE ST, WESTMEAD"	1	RES	58	53	51	46			50	55	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7435 33	"7 QUEENS RD, WESTMEAD"	3	RES	58	53	51	46			50	55	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7435 32	"7 QUEENS RD, WESTMEAD"	2	RES	58	53	51	46			48	53	0	0	0	2	-	2	None	None	None	Noticable
NCA01	7435 31	"7 QUEENS RD, WESTMEAD"	1	RES	58	53	51	46			46	51	0	0	0	0	_	0	None	None	None	Noticable
	7435																					
NCA01	29 7435	"19 CAROLINE ST, WESTMEAD"	3	RES	58	53	51	46			50	55	0	0	0	4	-	4	None	None	None	Noticable
NCA01	28 7435	"19 CAROLINE ST, WESTMEAD"	2	RES	58	53	51	46			50	54	0	0	0	4	-	4	None	None	None	Noticable
NCA01	27	"19 CAROLINE ST, WESTMEAD"	1	RES	58	53	51	46			48	53	0	0	0	2	-	2	None	None	None	Noticable
NCA01	7435 15	"14 HELEN ST, WESTMEAD"	3	RES	58	53	51	46			49	53	0	0	0	3	-	3	None	None	None	Noticable
NCA01	7435 14	"14 HELEN ST, WESTMEAD"	2	RES	58	53	51	46			48	52	0	0	0	2	-	2	None	None	None	Noticable
NCA01	7435 13	"14 HELEN ST, WESTMEAD"	1	RES	58	53	51	46			47	52	0	0	0	1	_	1	None	None	None	Noticable
	7435													-								
NCA01	7435	"19 CENTRAL AV, WESTMEAD"	3	RES	58	53	51	46	Y		59	63	1	6	8	13	-	13	Noticable	Noticable	Noticable	Clearly Audible
NCA01	11 7435	"19 CENTRAL AV, WESTMEAD"	2	RES	58	53	51	46	Y		58	63	0	5	7	12	-	12	Noticable	Noticable	Noticable	Clearly Audible
NCA01	10	"19 CENTRAL AV, WESTMEAD"	1	RES	58	53	51	46	Y		57	62	0	4	6	11	-	11	None	Noticable	Noticable	Clearly Audible
NCA01	7435 08	"4 PARK AV, WESTMEAD"	4	RES	58	53	51	46			50	55	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7435 07	"4 PARK AV, WESTMEAD"	3	RES	58	53	51	46	Υ		52	57	0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7435 06	"4 PARK AV, WESTMEAD"	2	RES	58	53	51	46			50	55	0	0	0	4	_	4	None	None	None	Noticable
	7435																					
NCA01	7435	"15 CAROLINE ST, WESTMEAD"	3	RES	58	53	51	46			50	54	0	0	0	4	-	4	None	None	None	Noticable
NCA01	7434	"15 CAROLINE ST, WESTMEAD"	2	RES	58	53	51	46			50	54	0	0	0	4	-	4	None	None	None	Noticable
NCA01	99	"15 CAROLINE ST, WESTMEAD"	1	RES	58	53	51	46			50	54	0	0	0	4	-	4	None	None	None	Noticable
NCA01	94	"1 QUEENS RD, WESTMEAD"	3	RES	58	53	51	46			48	53	0	0	0	2	-	2	None	None	None	Noticable
NCA02	7429 83	"14 RALPH ST, WESTMEAD"	2	RES	59	54	52	42			45	50	0	0	0	3	-	3	None	None	None	Noticable
NCA02	7429 82	"14 RALPH ST, WESTMEAD"	1	RES	59	54	52	42			43	48	0	0	0	1	-	1	None	None	None	Noticable
NCA02	7429					54		42	v	Y	74	78									Moderately	
	76 7429		2	RES	59		52		Y				15	20	22	32	13	32	Clearly Audible	Clearly Audible	Intrusive Moderately	Highly Intrusive
NCA02	75 7429	"8-12 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42	Y	Y	72	77	13	18	20	30	12	30	Clearly Audible	Clearly Audible	Intrusive	Highly Intrusive
NCA02	74 7429	"48 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			43	47	0	0	0	1	-	1	None	None	None	Noticable
NCA02	68	"75 HOUISON ST, WESTMEAD"	2	RES	59	54	52	42			44	49	0	0	0	2	-	2	None	None	None	Noticable
NCA02	7429 66	"27 HASSALL ST, WESTMEAD"	3	RES	59	54	52	42	Υ	Υ	64	69	5	10	12	22	4	22	Noticable	Clearly Audible	Clearly Audible	Moderately Intrusive
NCA02	7429 65	"27 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42	Υ	Y	64	68	5	10	12	22	3	22	Noticable	Noticable	Clearly Audible	Moderately Intrusive
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NCA02	7429 64	"27 HASSALL ST, WESTMEAD"	1	RES	59	54	52	42	Υ	Υ	63	68	4	9	11	21	3	21	Noticable	Noticable	Clearly Audible	Moderately Intrusive
NCA02	7429 58	"18 BAILEY ST, WESTMEAD"	3	RES	59	54	52	42			43	48	0	0	0	1	-	1	None	None	None	Noticable
NCA02	7429 57	"18 BAILEY ST, WESTMEAD"	2	RES	59	54	52	42			42	47	0	0	0	0	-	0	None	None	None	Noticable
NCA02	7429 54	"33A ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42	Y		48	53	0	0	0	6	-	6	None	None	None	Noticable
NCA02	7429 52	"24 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			44	48	0	0	0	2	-	2	None	None	None	Noticable
NCA02	7429 46	"15-23 MOWLE ST, WESTMEAD"	3	RES	59	54	52	42			47	52	0	0	0	5	-	5	None	None	None	Noticable
NCA02	7429 45	"15-23 MOWLE ST, WESTMEAD"	2	RES	59	54	52	42			44	49	0	0	0	2	-	2	None	None	None	Noticable
NCA02	7429 41	"19 COTSWOLD ST, WESTMEAD"	1	RES	59	54	52	42			42	47	0	0	0	0	-	0	None	None	None	Noticable
NCA02	7429 39	"19 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			47	52	0	0	0	5	-	5	None	None	None	Noticable
NCA02	7429 36	"16-18 PRIDDLE ST, WESTMEAD"	3	RES	59	54	52	42	Y		48	53	0	0	0	6	-	6	None	None	None	Noticable
NCA02	7429 35	"16-18 PRIDDLE ST, WESTMEAD"	2	RES	59	54	52	42			45	49	0	0	0	3	-	3	None	None	None	Noticable
NCA02	7429 34	"16-18 PRIDDLE ST, WESTMEAD"	1	RES	59	54	52	42			43	47	0	0	0	1	-	1	None	None	None	Noticable
NCA02	7429 20	"31 ALEXANDRA AV, WESTMEAD"	2	RES	59	54	52	42	Y		56	60	0	2	4	14	-	14	None	Noticable	Noticable	Clearly Audible
NCA02	7429 19	"31 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42	Y		54	58	0	0	2	12	-	12	None	None	Noticable	Clearly Audible
NCA02	7429 17	"14 RALPH ST, WESTMEAD"	2	RES	59	54	52	42			47	51	0	0	0	5	-	5	None	None	None	Noticable
NCA02	7429 16	"14 RALPH ST, WESTMEAD"	1	RES	59	54	52	42			44	48	0	0	0	2	-	2	None	None	None	Noticable
NCA02	7429 07	"23-25 PRIDDLE ST, WESTMEAD"	1	RES	59	54	52	42	Y		56	60	0	2	4	14	-	14	None	Noticable	Noticable	Clearly Audible
NCA02	7429 06	"23-25 PRIDDLE ST, WESTMEAD"	2	RES	59	54	52	42	Y		56	61	0	2	4	14	-	14	None	Noticable	Noticable	Clearly Audible
NCA02	7428 93	"53 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			46	50	0	0	0	4	-	4	None	None	None	Noticable
NCA02	7428 91	"22 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			44	48	0	0	0	2	-	2	None	None	None	Noticable
NCA02	7428 87	"40 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42	Y		56	61	0	2	4	14	-	14	None	Noticable	Noticable	Clearly Audible
NCA02	7428 86	"40 HASSALL ST, WESTMEAD"	1	RES	59	54	52	42	Y		56	61	0	2	4	14	-	14	None	Noticable	Noticable	Clearly Audible
NCA02	7428 77	"27 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			43	47	0	0	0	1	_	1	None	None	None	Noticable
NCA02	7428 71	"13-17 BAILEY ST, WESTMEAD"	1	RES	59	54	52	42	Y		56	61	0	2	4	14	_	14	None	Noticable	Noticable	Clearly Audible
NCA02	7428 70	"13-17 BAILEY ST, WESTMEAD"	3	RES	59	54	52	42	Y	Y	68	73	9	14	16	26	8	26	Noticable	Clearly Audible	Clearly Audible	Moderately Intrusive
NCA02	7428 69	"13-17 BAILEY ST, WESTMEAD"	2	RES	59	54	52	42	Y	Υ	67	72	8	13	15	25	7	25	Noticable	Clearly Audible	Clearly Audible	Moderately Intrusive
NCA02	7428 68	"150 HAWKESBURY RD, WESTMEAD"	2	EDU	55	55	55	55			60	64	5	5	5	5	-	5	Noticable	Noticable	Noticable	Noticable
NCA02	7428 67	"150 HAWKESBURY RD, WESTMEAD"	1	EDU	55	55	55	55			59	64	4	4	4	4	_	4	Noticable	Noticable	Noticable	Noticable
NCA02	7428 63	"32 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			45	50	0	0	0	3	-	3	None	None	None	Noticable
NCA02	7428 55	"36 PYE ST, WESTMEAD"	1	RES	59	54	52	42			42	47	0	0	0	0	-	0	None	None	None	Noticable
NCA02	7428 40	"13 COTSWOLD ST, WESTMEAD"	2	RES	59	54	52	42			43	48	0	0	0	1	_	1	None	None	None	Noticable
NCA02	7428 33	"58 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			43	48	0	0	0	1	_	1	None	None	None	Noticable
NCA02	7428 29	"8-10 MOWLE ST, WESTMEAD"	3	RES	59	54	52	42			44	49	0	0	0	2	_	2	None	None	None	Noticable
NCA02	7428 26	"30 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			44	50	0	0	0	4	-	4	None	None	None	Noticable
	7428													<u> </u>								
NCA02	7428	"17 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			48	52	0	0	0	6	-	6	None	None	None	Noticable
NCA02	12	"36 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42			46	51	0	0	0	4	-	4	None	None	None	Noticable





NCA02	7428 11	"16 RALPH ST, WESTMEAD"	1	RES	59	54	52	42			44	49	0	0	0	2	-	2	None	None	None	Noticable
NCA02	7428 02	"10-12 BAILEY ST, WESTMEAD"	3	RES	59	54	52	42			44	48	0	0	0	2	-	2	None	None	None	Noticable
NCA02	7428 01	"10-12 BAILEY ST, WESTMEAD"	2	RES	59	54	52	42			42	47	0	0	0	0	-	0	None	None	None	Noticable
NCA02	7427 97	"15 GRAND AV, WESTMEAD"	1	RES	59	54	52	42	Y		48	53	0	0	0	6	-	6	None	None	None	Noticable
NCA02	7427 90	"9 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			47	51	0	0	0	5	-	5	None	None	None	Noticable
NCA02	7427 89	"24 BAILEY ST, WESTMEAD"	2	RES	59	54	52	42	Y	Υ	63	67	4	9	11	21	2	21	Noticable	Noticable	Clearly Audible	Moderately Intrusive
NCA02	7427 88	"24 BAILEY ST, WESTMEAD"	1	RES	59	54	52	42	Y	Υ	62	66	3	8	10	20	1	20	Noticable	Noticable	Noticable	Clearly Audible
NCA02	7427 86	"15 PYE ST, WESTMEAD"	4	RES	59	54	52	42	Y		51	55	0	0	0	9	-	9	None	None	None	Noticable
NCA02	7427 85	"15 PYE ST, WESTMEAD"	3	RES	59	54	52	42	Y		51	55	0	0	0	9	-	9	None	None	None	Noticable
NCA02	7427 84	"15 PYE ST, WESTMEAD"	2	RES	59	54	52	42	Y		51	55	0	0	0	9	-	9	None	None	None	Noticable
NCA02	7427 83	"15 PYE ST, WESTMEAD"	1	RES	59	54	52	42	Y		49	54	0	0	0	7	-	7	None	None	None	Noticable
NCA02	7427 73	"27 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			46	51	0	0	0	4	-	4	None	None	None	Noticable
NCA02	7427 69	"37 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42			47	51	0	0	0	5	-	5	None	None	None	Noticable
NCA02	7427 66	"54-60 HASSALL ST, WESTMEAD"	3	RES	59	54	52	42	Y		52	56	0	0	0	10	-	10	None	None	None	Noticable
NCA02	7427 65	"54-60 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42	Y		52	56	0	0	0	10	-	10	None	None	None	Noticable
NCA02	7427 48	"45-53 HASSALL ST, WESTMEAD"	1	RES	59	54	52	42	Y		55	59	0	1	3	13	-	13	None	Noticable	Noticable	Clearly Audible
NCA02	7427 47	"45-53 HASSALL ST, WESTMEAD"	4	RES	59	54	52	42	Y		55	60	0	1	3	13	-	13	None	Noticable	Noticable	Clearly Audible
NCA02	7427 46	"45-53 HASSALL ST, WESTMEAD"	3	RES	59	54	52	42	Y		55	60	0	1	3	13	-	13	None	Noticable	Noticable	Clearly Audible
NCA02	7427 45	"45-53 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42	Y		55	60	0	1	3	13	-	13	None	Noticable	Noticable	Clearly Audible
NCA02	7427 43	"9-11 BAILEY ST, WESTMEAD"	2	RES	59	54	52	42	Y		49	54	0	0	0	7	-	7	None	None	None	Noticable
NCA02	7427 42	"9-11 BAILEY ST, WESTMEAD"	1	RES	59	54	52	42			47	52	0	0	0	5	-	5	None	None	None	Noticable
NCA02	7427 31	"119 HAWKESBURY RD, WESTMEAD"	1	RES	59	54	52	42			45	50	0	0	0	3	-	3	None	None	None	Noticable
NCA02	7427 19	"50 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			44	49	0	0	0	2	-	2	None	None	None	Noticable
NCA02	7427 18	"12 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			46	51	0	0	0	4	-	4	None	None	None	Noticable
NCA02	7427 05	"39 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42			43	48	0	0	0	1	-	1	None	None	None	Noticable
NCA02	7426 97	"21 PRIDDLE ST, WESTMEAD"	4	RES	59	54	52	42	Y	Y	62	66	3	8	10	20	1	20	Noticable	Noticable	Noticable	Clearly Audible
NCA02	7426 96	"21 PRIDDLE ST, WESTMEAD"	3	RES	59	54	52	42	Y	Y	61	66	2	7	9	19	1	19	Noticable	Noticable	Noticable	Clearly Audible
NCA02	7426 95	"21 PRIDDLE ST, WESTMEAD"	2	RES	59	54	52	42	Y		60	64	1	6	8	18	-	18	Noticable	Noticable	Noticable	Clearly Audible
NCA02	7426 94	"21 PRIDDLE ST, WESTMEAD"	1	RES	59	54	52	42	Y		59	64	0	5	7	17	-	17	Noticable	Noticable	Noticable	Clearly Audible
NCA02	7426 89	"32A ALEXANDRA AV, WESTMEAD"	2	RES	59	54	52	42			47	52	0	0	0	5	-	5	None	None	None	Noticable
NCA02	7426 88	"32A ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42			43	48	0	0	0	1		1	None	None	None	Noticable
NCA02	7426 78	"29 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			46	51	0	0	0	4		4	None	None	None	Noticable
NCA02	7426 76	"52 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			44	48	0	0	0	2	_	2	None	None	None	Noticable
NCA02	7426 68	"30 PYE ST, WESTMEAD"	2	RES	59	54	52	42			42	47	0	0	0	0		0	None	None	None	Noticable
NCA02	7426	"1 BAILEY ST, WESTMEAD"	3	RES	59	54	52	42	Y		58	63	0	4	6	16	-	16	None	Noticable	Noticable	Clearly Audible
	7426																					·
NCA02	65	"1 BAILEY ST, WESTMEAD"	2	RES	59	54	52	42	Υ		58	63	0	4	6	16	-	16	None	Noticable	Noticable	Clearly Audible





NCA02	7426 64	"1 BAILEY ST, WESTMEAD"	1	RES	59	54	52	42	Y		58	62	0	4	6	16	-	16	None	Noticable	Noticable	Clearly Audible
NCA02	7426 62	"58 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			42	47	0	0	0	0	-	0	None	None	None	Noticable
NCA02	7426 52	"14 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			46	50	0	0	0	4	-	4	None	None	None	Noticable
NCA02	7426 41	"119 HAWKESBURY RD, WESTMEAD"	1	RES	59	54	52	42			45	50	0	0	0	3	-	3	None	None	None	Noticable
NCA02	7426 36	"47 MOREE AV, WESTMEAD"	1	RES	59	54	52	42			42	47	0	0	0	0	-	0	None	None	None	Noticable
NCA02	7426 33	"8-12 ALEXANDRA AV, WESTMEAD"	3	RES	59	54	52	42	Y	Υ	68	73	9	14	16	26	8	26	Noticable	Clearly Audible	Clearly Audible	Moderately Intrusive
NCA02	7426 32	"8-12 ALEXANDRA AV, WESTMEAD"	2	RES	59	54	52	42	Υ	Υ	67	72	8	13	15	25	7	25	Noticable	Clearly Audible	Clearly Audible	Moderately Intrusive
NCA02	7426 31	"8-12 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42	Y	Υ	66	71	7	12	14	24	6	24	Noticable	Clearly Audible	Clearly Audible	Moderately Intrusive
NCA02	7426 03	"35 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			45	50	0	0	0	3	-	3	None	None	None	Noticable
NCA02	7425 99	"26 PRIDDLE ST, WESTMEAD"	1	RES	59	54	52	42			46	51	0	0	0	4	-	4	None	None	None	Noticable
NCA02	7425 71	"34 PYE ST, WESTMEAD"	2	RES	59	54	52	42			43	48	0	0	0	1	-	1	None	None	None	Noticable
NCA02	7425 70	"34 PYE ST, WESTMEAD"	1	RES	59	54	52	42			42	47	0	0	0	0	-	0	None	None	None	Noticable
NCA02	7425 64	"111 HAWKESBURY RD, WESTMEAD"	2	RES	59	54	52	42			43	48	0	0	0	1	-	1	None	None	None	Noticable
NCA02	7425 62	"58 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			43	48	0	0	0	1	-	1	None	None	None	Noticable
NCA02	7425 59	"75 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			47	52	0	0	0	5	-	5	None	None	None	Noticable
NCA02	7425 57	"16 THOMAS CLARKE ST, WESTMEAD"	1	RES	59	54	52	42			42	47	0	0	0	0	-	0	None	None	None	Noticable
NCA02	7425 55	"76 HOUISON ST, WESTMEAD"	1	RES	59	54	52	42			43	48	0	0	0	1	-	1	None	None	None	Noticable
NCA02	7425 54	"78 HOUISON ST, WESTMEAD"	1	RES	59	54	52	42			45	50	0	0	0	3	-	3	None	None	None	Noticable
NCA02	7425 51	"43 MOREE AV, WESTMEAD"	2	RES	59	54	52	42			42	47	0	0	0	0	-	0	None	None	None	Noticable
NCA02	7425 49	"24 COTSWOLD ST, WESTMEAD"	1	RES	59	54	52	42			43	47	0	0	0	1	-	1	None	None	None	Noticable
NCA02	7425 46	"22 PYE ST, WESTMEAD"	1	RES	59	54	52	42	Y		49	54	0	0	0	7	-	7	None	None	None	Noticable
NCA02	7425 31	"6 ALEXANDRA AV, WESTMEAD"	2	RES	59	54	52	42	Y	Y	63	67	4	9	11	21	2	21	Noticable	Noticable	Clearly Audible	Moderately Intrusive
NCA02	7425 30	"6 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42	Y	Y	62	67	3	8	10	20	2	20	Noticable	Noticable	Clearly Audible	Moderately Intrusive
NCA02	7425 23	"5-9 MOWLE ST, WESTMEAD"	3	RES	59	54	52	42			42	47	0	0	0	0	_	0	None	None	None	Noticable
NCA02	7425 14	"101 HAWKESBURY RD, WESTMEAD"	3	RES	59	54	52	42			44	49	0	0	0	2	-	2	None	None	None	Noticable
NCA02	7425 13	"101 HAWKESBURY RD, WESTMEAD"	2	RES	59	54	52	42			42	47	0	0	0	0	-	0	None	None	None	Noticable
NCA02	7425 03	"48-52 HASSALL ST, WESTMEAD"	4	RES	59	54	52	42	Y		49	53	0	0	0	7	-	7	None	None	None	Noticable
NCA02	7425 02	"48-52 HASSALL ST, WESTMEAD"	3	RES	59	54	52	42			46	50	0	0	0	4	_	4	None	None	None	Noticable
NCA02	7425 01	"48-52 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42			43	48	0	0	0	1	_	1	None	None	None	Noticable
NCA02	7424 98	"22 PRIDDLE ST, WESTMEAD"	3	RES	59	54	52	42	Y		54	58	0	0	2	12	-	12	None	None	Noticable	Clearly Audible
NCA02	7424 97	"22 PRIDDLE ST, WESTMEAD"	2	RES	59	54	52	42	Y		51	55	0	0	0	9	_	9	None	None	None	Noticable
NCA02	7424 96	"22 PRIDDLE ST, WESTMEAD"	1	RES	59	54	52	42	·		46	51	0	0	0	4	-	4	None	None	None	Noticable
NCA02	7424 94	"58 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			46	50	0	0	0	4	_	4	None	None	None	Noticable
NCA02	7424 84	"48-52 HASSALL ST, WESTMEAD"	1	RES	59	54	52	42			43	47	0	0	0	1	-	1	None	None	None	Noticable
	7424								v													
NCA02	7424	"48-52 HASSALL ST, WESTMEAD"	3	RES	59	54	52	42	Y		54	58	0	0	2	12	-	12	None	None	Noticable	Clearly Audible
NCA02	82	"48-52 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42	Y		54	58	0	0	2	12	-	12	None	None	Noticable	Clearly Audible





NCA02	7424 77	"12 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42	Y	Y	85	89	Y	26	31	33	43	24	43	Moderately Intrusive	Highly Intrusive	Highly Intrusive	Highly Intrusive
NCA02	7424 76	"12 HASSALL ST, WESTMEAD"	1	RES	59	54	52	42	Y	Y	85	90	Y	26	31	33	43	25	43	Moderately Intrusive	Highly Intrusive	Highly Intrusive	Highly Intrusive
NCA02	7424 75	"15-23 MOWLE ST, WESTMEAD"	3	RES	59	54	52	42			47	52		0	0	0	5	-	5	None	None	None	Noticable
NCA02	7424 74	"15-23 MOWLE ST, WESTMEAD"	2	RES	59	54	52	42			44	48		0	0	0	2	-	2	None	None	None	Noticable
NCA02	7424 68	"3 GRAND AV, WESTMEAD"	1	RES	59	54	52	42	Y		55	60		0	1	3	13	-	13	None	Noticable	Noticable	Clearly Audible
NCA02	7424 58	"33A ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42			42	47		0	0	0	0	-	0	None	None	None	Noticable
NCA02	7424 47	"20 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			44	48		0	0	0	2	-	2	None	None	None	Noticable
NCA02	7424 41	"72A HOUISON ST, WESTMEAD"	1	RES	59	54	52	42			43	47		0	0	0	1	-	1	None	None	None	Noticable
NCA02	7424 37	"9 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			45	50		0	0	0	3	-	3	None	None	None	Noticable
NCA02	7424 34	"53 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42			42	47		0	0	0	0	-	0	None	None	None	Noticable
NCA02	7424 24	"31 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			46	50		0	0	0	4	-	4	None	None	None	Noticable
NCA02	7424 23	"44 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42			42	47		0	0	0	0	-	0	None	None	None	Noticable
NCA02	7424 21	"11 GRAND AV, WESTMEAD"	1	RES	59	54	52	42	Υ		50	54		0	0	0	8	-	8	None	None	None	Noticable
NCA02	7424 16	"34-38 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42	Υ		60	64		1	6	8	18	-	18	Noticable	Noticable	Noticable	Clearly Audible
NCA02	7424 15	"34-38 HASSALL ST, WESTMEAD"	1	RES	59	54	52	42	Υ		59	64		0	5	7	17	-	17	None	Noticable	Noticable	Clearly Audible
NCA02	7424 13	"74 HOUISON ST, WESTMEAD"	1	RES	59	54	52	42			42	47		0	0	0	0	-	0	None	None	None	Noticable
NCA02	7424 12	"152 HAWKESBURY RD, WESTMEAD"	1	RES	59	54	52	42	Υ		60	64		1	6	8	18	-	18	Noticable	Noticable	Noticable	Clearly Audible
NCA02	7424 06	"55 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42			44	49		0	0	0	2	-	2	None	None	None	Noticable
NCA02	7424 04	"7 ALEXANDRA AV, WESTMEAD"	2	RES	59	54	52	42	Y		60	64		1	6	8	18	-	18	Noticable	Noticable	Noticable	Clearly Audible
NCA02	7424 03	"7 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42	Y		59	64		0	5	7	17	-	17	Noticable	Noticable	Noticable	Clearly Audible
NCA02	7424 02	"59 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42			44	49		0	0	0	2	-	2	None	None	None	Noticable
NCA02	7424 00	"27 COTSWOLD ST, WESTMEAD"	2	RES	59	54	52	42			44	48		0	0	0	2	-	2	None	None	None	Noticable
NCA02	7423 92	"19 RALPH ST, WESTMEAD"	1	RES	59	54	52	42			44	49		0	0	0	2	-	2	None	None	None	Noticable
NCA02	7423 76	"71 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			46	50		0	0	0	4	-	4	None	None	None	Noticable
NCA02	7423 70	"16 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			46	50		0	0	0	4	-	4	None	None	None	Noticable
NCA02	7423 69	"10 PRIDDLE ST, WESTMEAD"	4	RES	59	54	52	42			45	50		0	0	0	3	-	3	None	None	None	Noticable
NCA02	7423 68	"10 PRIDDLE ST, WESTMEAD"	3	RES	59	54	52	42			43	47		0	0	0	1	-	1	None	None	None	Noticable
NCA02	7423 65	"21 COTSWOLD ST, WESTMEAD"	1	RES	59	54	52	42			43	48		0	0	0	1	-	1	None	None	None	Noticable
NCA02	7423 61	"20 BAILEY ST, WESTMEAD"	2	RES	59	54	52	42	Y		49	54		0	0	0	7	-	7	None	None	None	Noticable
NCA02	7423 60	"20 BAILEY ST, WESTMEAD"	1	RES	59	54	52	42			44	49		0	0	0	2	-	2	None	None	None	Noticable
NCA02	7423 56	"28 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			43	48		0	0	0	1	-	1	None	None	None	Noticable
NCA02	7423 50	"55-57 HASSALL ST, WESTMEAD"	4	RES	59	54	52	42	Y		53	57		0	0	1	11	-	11	None	None	Noticable	Clearly Audible
NCA02	7423 49	"55-57 HASSALL ST, WESTMEAD"	3	RES	59	54	52	42	Y		52	57		0	0	0	10	-	10	None	None	Noticable	Clearly Audible
NCA02	7423 48	"55-57 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42	Y		52	57		0	0	0	10	-	10	None	None	Noticable	Clearly Audible
NCA02	7423 47	"55-57 HASSALL ST, WESTMEAD"	1	RES	59	54	52	42	Y		52	57		0	0	0	10	-	10	None	None	Noticable	Clearly Audible
NCA02	7423 33	"24 PRIDDLE ST, WESTMEAD"	1	RES	59	54	52	42	Y		51	55		0	0	0	9	-	9	None	None	None	Noticable





NCA02	7423 32	"20 PYE ST, WESTMEAD"	2	RES	59	54	52	42	Y		52	56	0	0	0	10	-	10	None	None	None	Noticable
NCA02	7423 31	"20 PYE ST, WESTMEAD"	1	RES	59	54	52	42	Y		52	56	0	0	0	10	-	10	None	None	None	Noticable
NCA02	7423 29	"45 HASSALL ST, WESTMEAD"	3	RES	59	54	52	42	Y		54	58	0	0	2	12	-	12	None	None	Noticable	Clearly Audible
NCA02	7423 28	"45 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42	Y		54	58	0	0	2	12	-	12	None	None	Noticable	Clearly Audible
NCA02	7423 27	"45 HASSALL ST, WESTMEAD"	1	RES	59	54	52	42	Υ		54	58	0	0	2	12	-	12	None	None	Noticable	Clearly Audible
NCA02	7423 24	"37 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			47	52	0	0	0	5	-	5	None	None	None	Noticable
NCA02	7423 22	"156 HAWKESBURY RD, WESTMEAD"	1	RES	59	54	52	42	Y		58	63	0	4	6	16	-	16	None	Noticable	Noticable	Clearly Audible
NCA02	7423 07	"18 RALPH ST, WESTMEAD"	1	RES	59	54	52	42			45	49	0	0	0	3	-	3	None	None	None	Noticable
NCA02	7423 00	"53 HOUISON ST, WESTMEAD"	2	RES	59	54	52	42			43	48	0	0	0	1	-	1	None	None	None	Noticable
NCA02	7422 95	"55 HOUISON ST, WESTMEAD"	2	RES	59	54	52	42			43	47	0	0	0	1	-	1	None	None	None	Noticable
NCA02	7422 92	"154 HAWKESBURY RD, WESTMEAD"	1	RES	59	54	52	42	Y		59	64	0	5	7	17	-	17	Noticable	Noticable	Noticable	Clearly Audible
NCA02	7422 85	"123-129 HAWKESBURY RD, WESTMEAD"	3	RES	59	54	52	42	Y	Υ	62	66	3	8	10	20	1	20	Noticable	Noticable	Noticable	Clearly Audible
NCA02	7422 84	"123-129 HAWKESBURY RD, WESTMEAD"	2	RES	59	54	52	42	Y	Υ	61	66	2	7	9	19	1	19	Noticable	Noticable	Noticable	Clearly Audible
NCA02	7422 83	"123-129 HAWKESBURY RD, WESTMEAD"	1	RES	59	54	52	42	Y		61	65	2	7	9	19	-	19	Noticable	Noticable	Noticable	Clearly Audible
NCA02	7422 82	"37 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42	Y		59	64	0	5	7	17	-	17	Noticable	Noticable	Noticable	Clearly Audible
NCA02	7422 81	"37 HASSALL ST, WESTMEAD"	1	RES	59	54	52	42	Y		59	63	0	5	7	17	-	17	None	Noticable	Noticable	Clearly Audible
NCA02	7422 77	"5 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			46	50	0	0	0	4	-	4	None	None	None	Noticable
NCA02	7422 76	"9-11 PRIDDLE ST, WESTMEAD"	3	RES	59	54	52	42	Y		50	55	0	0	0	8	-	8	None	None	None	Noticable
NCA02	7422 75	"9-11 PRIDDLE ST, WESTMEAD"	2	RES	59	54	52	42			47	52	0	0	0	5	-	5	None	None	None	Noticable
NCA02	7422 74	"9-11 PRIDDLE ST, WESTMEAD"	1	RES	59	54	52	42			45	49	0	0	0	3	-	3	None	None	None	Noticable
NCA02	7422 64	"34 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			46	50	0	0	0	4	-	4	None	None	None	Noticable
NCA02	7422 61	"26-30 BAILEY ST, WESTMEAD"	1	RES	59	54	52	42	Y	Y	63	68	4	9	11	21	3	21	Noticable	Noticable	Clearly Audible	Moderately Intrusive
NCA02	7422 60	"26-30 BAILEY ST, WESTMEAD"	3	RES	59	54	52	42	Y	Y	64	69	5	10	12	22	4	22	Noticable	Clearly Audible	Clearly Audible	Moderately Intrusive
NCA02	7422 59	"26-30 BAILEY ST, WESTMEAD"	2	RES	59	54	52	42	Y	Y	64	68	5	10	12	22	3	22	Noticable	Noticable	Clearly Audible	Moderately Intrusive
NCA02	7422 57	PARRAMATTA GOLF CLUB GATEHOUSE 7 PARK PD	1	RES	59	54	52	42			47	51	0	0	0	5	-	5	None	None	None	Noticable
NCA02	7422 54	"54-60 HASSALL ST, WESTMEAD"	3	RES	59	54	52	42	Y		51	56	0	0	0	9	-	9	None	None	None	Noticable
NCA02	7422 53	"54-60 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42	Y		51	55	0	0	0	9	-	9	None	None	None	Noticable
NCA02	7422 52	"54-60 HASSALL ST, WESTMEAD"	1	RES	59	54	52	42			47	52	0	0	0	5	-	5	None	None	None	Noticable
NCA02	7422 48	"44A ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42			42	47	0	0	0	0	-	0	None	None	None	Noticable
NCA02	7422 41	"60 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			43	48	0	0	0	1	-	1	None	None	None	Noticable
NCA02	7422 38	"76 HOUISON ST, WESTMEAD"	1	RES	59	54	52	42			43	48	0	0	0	1	-	1	None	None	None	Noticable
NCA02	7422 35	"48-52 HASSALL ST, WESTMEAD"	1	RES	59	54	52	42	Y		54	58	0	0	2	12	-	12	None	None	Noticable	Clearly Audible
NCA02	7422 34	"48-52 HASSALL ST, WESTMEAD"	3	RES	59	54	52	42	Y		54	59	0	0	2	12	_	12	None	Noticable	Noticable	Clearly Audible
NCA02	7422 33	"48-52 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42	Y		54	59	0	0	2	12	_	12	None	Noticable	Noticable	Clearly Audible
NCA02	7422 27	"17 RALPH ST, WESTMEAD"	1	RES	59	54	52	42	·		42	47	0	0	0	0	_	0	None	None	None	Noticable
NCA02	7422 23	"4 ALEXANDRA AV, WESTMEAD"	2	RES	59	54	52	42	Y	Y	62	66	3	0	10	20	1	20	Noticable	Noticable	Noticable	Clearly Audible
INCAUZ		4 ALEXANDRA AV, WESTIVICAD		VEO	39	34	32	42	T	T	02	00	э	٥	10	20	1	20	INOTICABLE	Noticable	INOULABLE	Clearly Audible





NCA02	7422 22	"4 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42	Υ	Υ	61	66	2	7	9	19	1	19	Noticable	Noticable	Noticable	Clearly Audible
NCA02	7422 17	"56 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			47	51	0	0	0	5	-	5	None	None	None	Noticable
NCA02	7422 13	"75 HAWKESBURY RD, WESTMEAD"	2	RES	59	54	52	42			45	50	0	0	0	3	-	3	None	None	None	Noticable
NCA02	7422 12	"75 HAWKESBURY RD, WESTMEAD"	1	RES	59	54	52	42			43	48	0	0	0	1	-	1	None	None	None	Noticable
NCA02	7422 11	"80 HOUISON ST, WESTMEAD"	1	RES	59	54	52	42	Y		49	54	0	0	0	7	-	7	None	None	None	Noticable
NCA02	7421 97	"10 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			47	52	0	0	0	5	-	5	None	None	None	Noticable
NCA02	7421 93	"33 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42			43	47	0	0	0	1	_	1	None	None	None	Noticable
NCA02	7421 90	"117 HAWKESBURY RD, WESTMEAD"	1	RES	59	54	52	42			43	48	0	0	0	1	_	1	None	None	None	Noticable
	7421	"33 GRAND AV, WESTMEAD"	_			54					47		0	0	0		-		None	None	None	
NCA02	7421		1	RES	59		52	42	.,			52	-			5		5				Noticable Moderately
NCA02	86 7421	"23-25 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42	Υ	Y	66	71	7	12	14	24	6	24	Noticable	Clearly Audible	Clearly Audible	Intrusive Moderately
NCA02	85 7421	"23-25 HASSALL ST, WESTMEAD"	1	RES	59	54	52	42	Y	Y	65	70	6	11	13	23	5	23	Noticable	Clearly Audible	Clearly Audible	Intrusive
NCA02	81 7421	"54 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			46	50	0	0	0	4	-	4	None	None	None	Noticable
NCA02	79 7421	"21 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			47	52	0	0	0	5	-	5	None	None	None	Noticable
NCA02	65	"46 HASSALL ST, WESTMEAD"	1	RES	59	54	52	42	Y		55	60	0	1	3	13	-	13	None	Noticable	Noticable	Clearly Audible
NCA02	7421 61	"13 GRAND AV, WESTMEAD"	1	RES	59	54	52	42	Υ		49	54	0	0	0	7	-	7	None	None	None	Noticable
NCA02	7421 60	"13 COTSWOLD ST, WESTMEAD"	2	RES	59	54	52	42			43	48	0	0	0	1	-	1	None	None	None	Noticable
NCA02	7421 57	"26 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			46	51	0	0	0	4	-	4	None	None	None	Noticable
NCA02	7421 43	"76 HOUISON ST, WESTMEAD"	1	RES	59	54	52	42	Υ		48	53	0	0	0	6	-	6	None	None	None	Noticable
NCA02	7421 42	"39 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			45	50	0	0	0	3	-	3	None	None	None	Noticable
NCA02	7421 41	"23A GRAND AV, WESTMEAD"	1	RES	59	54	52	42			47	51	0	0	0	5	-	5	None	None	None	Noticable
NCA02	7421 32	"73 GRAND AV, WESTMEAD"	1	RES	59	54	52	42			46	50	0	0	0	4	-	4	None	None	None	Noticable
NCA02	7421 22	"15 COTSWOLD ST, WESTMEAD"	1	RES	59	54	52	42			42	47	0	0	0	0	_	0	None	None	None	Noticable
NCA02	7421 13	"66 HOUISON ST, WESTMEAD"	1	RES	59	54	52	42			43	48	0	0	0	1	_	1	None	None	None	Noticable
NCA02	7420	"25 GRAND AV, WESTMEAD"				54	52	42			46	51	0	0			_					
	94 7420		1	RES	59				Y				-	0	0	4		0	None	None	None	Noticable
NCA02	7420	"3 ALEXANDRA AV, WESTMEAD"	2	RES	59	54	52	42	Y	1	51	55	0	U	0	9	-	9	None	None	None	Noticable
NCA02	83	"3 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42	Υ		50	54	0	0	0	8	-	8	None	None	None	Noticable

C-1.2 Vibration

NCA	Receiver	Address	Land use	Vibration Impact
NCA02	742477	"12 HASSALL ST, WESTMEAD"	RES	Human Comfort
NCA02	742476	"12 HASSALL ST, WESTMEAD"	RES	Human Comfort





Appendix C-2 Detailed predictions - Stage 2
C-2.1 Noise





Assessment: V Traffic Detecto		Local Area Works - Alexandra Avenue & Marking	Hassall S	Street -		NML, LAeq	, 15 minute		Sleep,	, LAmax	Predicted noise	level, dBA	Exceedance s	ummary									
											Cumulative				Exceed NM	IL by (dB):		Exceed sleep by (disturbance		Impact cla	assification	
NCA	Rec	Address	Flr	Land use	Day	O/day	Eve	Night	Screen	Awake	LAeq, 15 minute	LMax	Highly Affected?	Day	O/day	Eve	Night	Awake	Screen	Day	O/day	Eve	Night
NCA01	7440 34	"12 CENTRAL AV, WESTMEAD"	3	RES	58	53	51	46			46	52		0	0	0	0	-	0	None	None	None	Noticable
NCA01	7439 84	"2 ALFRED ST, WESTMEAD"	2	RES	58	53	51	46			48	54		0	0	0	2	-	2	None	None	None	Noticable
NCA01	7439 83	"2 ALFRED ST, WESTMEAD"	1	RES	58	53	51	46			48	53		0	0	0	2	-	2	None	None	None	Noticable
NCA01	7439 65	"7 CENTRAL AV, WESTMEAD"	3	RES	58	53	51	46			47	53		0	0	0	1	-	1	None	None	None	Noticable
NCA01	7439 59	"6-10 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46	Υ		54	59		0	1	3	8	-	8	None	Noticable	Noticable	Noticable
NCA01	7439 58	"6-10 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46	Υ		53	58		0	0	2	7	-	7	None	None	Noticable	Noticable
NCA01	7439 57	"6-10 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46	Y		52	57		0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7439 49	"6 CENTRAL AV, WESTMEAD"	2	RES	58	53	51	46			51	56		0	0	0	5	-	5	None	None	None	Noticable
NCA01	7439 48	"6 CENTRAL AV, WESTMEAD"	1	RES	58	53	51	46			50	56		0	0	0	4	-	4	None	None	None	Noticable
NCA01	7439 25	"4 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46	Υ		54	60		0	1	3	8	-	8	None	Noticable	Noticable	Noticable
NCA01	7439 24	"4 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46	Υ		53	59		0	0	2	7	-	7	None	Noticable	Noticable	Noticable
NCA01	7439 23	"4 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46	Y		52	57		0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7439 13	"2 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46	Υ		54	59		0	1	3	8	-	8	None	Noticable	Noticable	Noticable
NCA01	7439 12	"2 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46	Υ		53	59		0	0	2	7	-	7	None	Noticable	Noticable	Noticable
NCA01	7439 11	"2 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46	Υ		52	57		0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7439 09	"16 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46	Υ		52	58		0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7439 08	"16 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46	Υ		51	57		0	0	0	5	-	5	None	None	Noticable	Noticable
NCA01	7439 07	"16 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46			51	56		0	0	0	5	-	5	None	None	None	Noticable
NCA01	7438 66	"6-10 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46			50	55		0	0	0	4	-	4	None	None	None	Noticable
NCA01	7438 65	"6-10 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46			49	54		0	0	0	3	-	3	None	None	None	Noticable
NCA01	7438 64	"6-10 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46			49	54		0	0	0	3	-	3	None	None	None	Noticable
NCA01	7438 45	"1-3 PARK AV, WESTMEAD"	3	RES	58	53	51	46	Υ		52	57		0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7438 44	"1-3 PARK AV, WESTMEAD"	2	RES	58	53	51	46			50	56		0	0	0	4	-	4	None	None	None	Noticable
NCA01	7438 43	"1-3 PARK AV, WESTMEAD"	1	RES	58	53	51	46			49	55		0	0	0	3	-	3	None	None	None	Noticable
NCA01	7438 09	"8 CENTRAL AV, WESTMEAD"	2	RES	58	53	51	46			49	54		0	0	0	3	-	3	None	None	None	Noticable
NCA01	7438 08	"8 CENTRAL AV, WESTMEAD"	1	RES	58	53	51	46			48	54		0	0	0	2	-	2	None	None	None	Noticable
NCA01	7437 52	"14 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46	Υ		54	59		0	1	3	8	-	8	None	Noticable	Noticable	Noticable
NCA01	7437 51	"14 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46	Y		52	58		0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7437 29	"4 ALFRED ST, WESTMEAD"	3	RES	58	53	51	46			48	53		0	0	0	2	-	2	None	None	None	Noticable
NCA01	7437 28	"4 ALFRED ST, WESTMEAD"	2	RES	58	53	51	46			47	52		0	0	0	1	-	1	None	None	None	Noticable
NCA01	7437 27	"4 ALFRED ST, WESTMEAD"	1	RES	58	53	51	46			47	52		0	0	0	1	-	1	None	None	None	Noticable
NCA01	7436 78	"21 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46			49	55		0	0	0	3	-	3	None	None	None	Noticable
NCA01	7436 77	"21 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46			49	54		0	0	0	3	-	3	None	None	None	Noticable





NCA01	7436 76	"21 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46			48	54		0	0	0	2	_	2	None	None	None	Noticable
	7436																						
NCA01	71 7436	"3 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46	Y		55	61		0	2	4	9	-	9	None	Noticable	Noticable	Noticable
NCA01	70 7436	"3 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46	Y		54	60		0	1	3	8	-	8	None	Noticable	Noticable	Noticable
NCA01	69 7436	"3 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46	Y		53	58		0	0	2	7	-	7	None	None	Noticable	Noticable
NCA01	11	"6-10 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46	Y		54	60		0	1	3	8	-	8	None	Noticable	Noticable	Noticable
NCA01	7436 10	"6-10 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46	Υ		53	59		0	0	2	7	-	7	None	Noticable	Noticable	Noticable
NCA01	7436 09	"6-10 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46	Y		52	58		0	0	1	6	-	6	None	None	Noticable	Noticable
NCA01	7435 70	"5 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46	Υ		54	60		0	1	3	8	_	8	None	Noticable	Noticable	Noticable
	7435																						
NCA01	69 7435	"5 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46	Y		54	59		0	1	3	8	-	8	None	Noticable	Noticable	Noticable
NCA01	68 7429	"5 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46	Y		51	57		0	0	0	5	-	5	None	None	Noticable	Noticable
NCA02	97 7429	"5-7 PRIDDLE ST, WESTMEAD"	3	RES	59	54	52	42			44	50		0	0	0	2	-	2	None	None	None	Noticable
NCA02	96	"5-7 PRIDDLE ST, WESTMEAD"	2	RES	59	54	52	42			44	50		0	0	0	2	-	2	None	None	None	Noticable
NCA02	7429 95	"5-7 PRIDDLE ST, WESTMEAD"	1	RES	59	54	52	42			44	49		0	0	0	2	-	2	None	None	None	Noticable
NCA02	7429 76	"8-12 ALEXANDRA AV, WESTMEAD"	2	RES	59	54	52	42	Y	Υ	71	77		12	17	19	29	12	29	Clearly Audible	Clearly Audible	Clearly Audible	Moderately Intrusive
NCA02	7429 75	"8-12 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42	Y	v	72	77		13	18	20	30	12	30	Clearly Audible	Clearly Audible	Clearly Audible	Moderately Intrusive
	7429	·								T								12					
NCA02	66 7429	"27 HASSALL ST, WESTMEAD"	3	RES	59	54	52	42	Y		50	55		0	0	0	8	-	8	None	None	None	Noticable
NCA02	65 7429	"27 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42	Y		49	55		0	0	0	7	-	7	None	None	None	Noticable
NCA02	64	"27 HASSALL ST, WESTMEAD"	1	RES	59	54	52	42	Y		49	55		0	0	0	7	-	7	None	None	None	Noticable
NCA02	7429 58	"18 BAILEY ST, WESTMEAD"	3	RES	59	54	52	42			42	48		0	0	0	0	-	0	None	None	None	Noticable
NCA02	7429 06	"23-25 PRIDDLE ST, WESTMEAD"	2	RES	59	54	52	42			44	49		0	0	0	2	-	2	None	None	None	Noticable
NCA02	7428 71	"13-17 BAILEY ST, WESTMEAD"	1	RES	59	54	52	42	Y		58	64		0	4	6	16	-	16	None	Noticable	Noticable	Clearly Audible
NCA02	7428 70	"13-17 BAILEY ST, WESTMEAD"	3	RES	59	54	52	42	Y	γ	60	66		1	6	8	18	1	18	Noticable	Noticable	Noticable	Clearly Audible
	7428														-								
NCA02	69 7428	"13-17 BAILEY ST, WESTMEAD"	2	RES	59	54	52	42	Y		59	65		0	5	7	17	-	17	Noticable	Noticable	Noticable	Clearly Audible
NCA02	02 7428	"10-12 BAILEY ST, WESTMEAD"	3	RES	59	54	52	42			46	52		0	0	0	4	-	4	None	None	None	Noticable
NCA02	01	"10-12 BAILEY ST, WESTMEAD"	2	RES	59	54	52	42			46	51		0	0	0	4	-	4	None	None	None	Noticable
NCA02	7428 00	"10-12 BAILEY ST, WESTMEAD"	1	RES	59	54	52	42			45	51		0	0	0	3	-	3	None	None	None	Noticable
NCA02	7427 89	"24 BAILEY ST, WESTMEAD"	2	RES	59	54	52	42	Υ		49	54		0	0	0	7	-	7	None	None	None	Noticable
NCA02	7427 88	"24 BAILEY ST, WESTMEAD"	1	RES	59	54	52	42	Υ		48	54		0	0	0	6	-	6	None	None	None	Noticable
NCA02	7427 43	"9-11 BAILEY ST, WESTMEAD"	2	RES	59	54	52	42	Y		53	59		0	0	1	11	_	11	None	None	Noticable	Clearly Audible
	7427																						
NCA02	42 7426	"9-11 BAILEY ST, WESTMEAD"	1	RES	59	54	52	42	Y		52	58		0	0	0	10	-	10	None	None	Noticable	Clearly Audible
NCA02	97 7426	"21 PRIDDLE ST, WESTMEAD"	4	RES	59	54	52	42			47	52		0	0	0	5	-	5	None	None	None	Noticable
NCA02	96	"21 PRIDDLE ST, WESTMEAD"	3	RES	59	54	52	42			46	51		0	0	0	4	-	4	None	None	None	Noticable
NCA02	7426 95	"21 PRIDDLE ST, WESTMEAD"	2	RES	59	54	52	42			43	48		0	0	0	1	-	1	None	None	None	Noticable
NCA02	7426 66	"1 BAILEY ST, WESTMEAD"	3	RES	59	54	52	42	Υ		50	56		0	0	0	8	-	8	None	None	None	Noticable
NCA02	7426 65	"1 BAILEY ST, WESTMEAD"	2	RES	59	54	52	42	Y		50	55		0	0	0	8	-	8	None	None	None	Noticable
NCA02	7426 64			RES		54	52		Y			55		0	0	0	7	_	7				
INCAU2	04	"1 BAILEY ST, WESTMEAD"	1	KES	59	54	54	42	T	I.	49	33	I.	U	U	U	/	-	,	None	None	None	Noticable





	7426		Τ																				Moderately
NCA02	33	"8-12 ALEXANDRA AV, WESTMEAD"	3	RES	59	54	52	42	Y	Υ	69	74		10	15	17	27	9	27	Noticable	Clearly Audible	Clearly Audible	Intrusive
NCAGO	7426	"9 12 ALEVANDDA AV M/FCTMFAD"	,	DEC	F0	F4	F2	42	v	Y	70	75		11	16	10	20	10	20	Clearly Audible	Clearly Audible	Claarly Audibla	Moderately
NCA02	7426	"8-12 ALEXANDRA AV, WESTMEAD"	2	RES	59	54	52	42	Y	T	70	75		11	16	18	28	10	28	Clearly Audible	Clearly Audible	Clearly Audible	Intrusive Moderately
NCA02	31	"8-12 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42	Υ	Y	70	76		11	16	18	28	11	28	Clearly Audible	Clearly Audible	Clearly Audible	Intrusive
NCA02	7425 31	"6 ALEXANDRA AV, WESTMEAD"	2	RES	59	54	52	42	Y	Y	62	67		3	o	10	20	2	20	Noticable	Noticable	Noticable	Clearly Audible
NCAUZ	7425	U ALEXANDINA AV, WESTIVILAD		INLO	33	34	32	42	'	<u>'</u>	02	07		3		10	20	2	20	Noticable	Noticable	Noticable	Clearly Addible
NCA02	30	"6 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42	Υ	Υ	60	66		1	6	8	18	1	18	Noticable	Noticable	Noticable	Clearly Audible
NCA02	7424 77	"12 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42	Υ	Y	75	81	Υ	16	21	23	33	16	33	Clearly Audible	Moderately Intrusive	Moderately Intrusive	Highly Intrusive
110/102	7424	12 This state of the state of t		1125	33	3.	52					02	·				33	10	33	cicarry riadible	Moderately	Moderately	riigiii y iiici usire
NCA02	76	"12 HASSALL ST, WESTMEAD"	1	RES	59	54	52	42	Y	Y	76	81	Y	17	22	24	34	16	34	Clearly Audible	Intrusive	Intrusive	Highly Intrusive
NCA02	7424 16	"34-38 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42			45	51		0	0	0	3	_	3	None	None	None	Noticable
	7424														-								
NCA02	15	"34-38 HASSALL ST, WESTMEAD"	1	RES	59	54	52	42			45	50		0	0	0	3	-	3	None	None	None	Noticable
NCA02	7424 12	"152 HAWKESBURY RD, WESTMEAD"	1	RES	59	54	52	42			45	50		0	0	0	3	-	3	None	None	None	Noticable
	7424																						Moderately
NCA02	7424	"7 ALEXANDRA AV, WESTMEAD"	2	RES	59	54	52	42	Y	Y	64	70		5	10	12	22	5	22	Noticable	Clearly Audible	Clearly Audible	Intrusive Moderately
NCA02	03	"7 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42	Υ	Υ	64	70		5	10	12	22	5	22	Noticable	Clearly Audible	Clearly Audible	Intrusive
	7423													_	_	_	_		_				
NCA02	7422	"156 HAWKESBURY RD, WESTMEAD"	1	RES	59	54	52	42			44	49		0	0	0	2	-	2	None	None	None	Noticable
NCA02	92	"154 HAWKESBURY RD, WESTMEAD"	1	RES	59	54	52	42			45	50		0	0	0	3	-	3	None	None	None	Noticable
NGAGO	7422	"123-129 HAWKESBURY RD,		DEC				42			47			•	_		_		_				N
NCA02	85 7422	WESTMEAD" "123-129 HAWKESBURY RD,	3	RES	59	54	52	42			47	52		0	0	0	5	-	5	None	None	None	Noticable
NCA02	84	WESTMEAD"	2	RES	59	54	52	42			47	52		0	0	0	5	-	5	None	None	None	Noticable
NCA02	7422	"123-129 HAWKESBURY RD, WESTMEAD"	1	RES	59	54	52	42			46	52		0	0	0	4	_	4	None	None	None	Noticable
NCAUZ	83 7422	WESTIVIEAD	1	NES	39	34	32	42			40	32		U	U	0	4	-	4	None	None	None	Noticable
NCA02	82	"37 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42			45	50		0	0	0	3	-	3	None	None	None	Noticable
NCA02	7422 81	"37 HASSALL ST, WESTMEAD"	1	RES	59	54	52	42			45	50		0	0	0	3	_	3	None	None	None	Noticable
IVCAUZ	7422	37 HASALEST, WESTWIELD	1	ILLS	33	34	32	72			75	30		U	U	0	3		J	None	None	None	Noticable
NCA02	61	"26-30 BAILEY ST, WESTMEAD"	1	RES	59	54	52	42	Υ		49	55		0	0	0	7	-	7	None	None	None	Noticable
NCA02	7422 60	"26-30 BAILEY ST, WESTMEAD"	3	RES	59	54	52	42	Υ		50	55		0	0	0	8	_	8	None	None	None	Noticable
	7422								-					-		-							110000010
NCA02	59	"26-30 BAILEY ST, WESTMEAD"	2	RES	59	54	52	42	Y		50	55		0	0	0	8	-	8	None	None	None	Noticable
NCA02	7422 23	"4 ALEXANDRA AV, WESTMEAD"	2	RES	59	54	52	42	Υ		55	61		0	1	3	13	-	13	None	Noticable	Noticable	Clearly Audible
	7422																						·
NCA02	22	"4 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42	Y		54	60		0	0	2	12	-	12	None	Noticable	Noticable	Clearly Audible
NCA02	7421 86	"23-25 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42	Υ		52	57		0	0	0	10	-	10	None	None	None	Noticable
	7421								,.		<u>.</u> .			_	_	_	_		_				
NCA02	7420	"23-25 HASSALL ST, WESTMEAD"	1	RES	59	54	52	42	Y		51	57		0	0	0	9	-	9	None	None	None	Noticable
NCA02	84	"3 ALEXANDRA AV, WESTMEAD"	2	RES	59	54	52	42	Υ		52	57		0	0	0	10	-	10	None	None	None	Noticable
NCACO	7420	IIO ALEVANIDRA AVANESTA AS ADII		DEC	F0	F.	F2	42	.,		F4									N.	N.	Ne	Ni-ei - I I
NCA02	83	"3 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42	Υ		51	57		0	0	0	9	-	9	None	None	None	Noticable

C-2.2 Vibration

NCA	Bossiyor	Address	Landuca	Vibration Impact
NCA	Receiver	Address	Land use	Vibration impact





Appendix C-3 Detailed predictions - Stage 3
C-3.1 Noise





Assessment: Westmead Local Area Works - Alexandra Avenue & Hassall Street - Traffic Detector & Line Marking						NML, LAeq	, 15 minute		Sleep	, LAmax	Predicted noise level, dBA	level, dBA	Exceedance s	ummary									
											Cumulative				Exceed NM	L by (dB):		Exceed sleep by (disturbance	Impact classification			
NCA	Rec	Address	Flr	Land use	Day	O/day	Eve	Night	Screen	Awake	LAeq, 15 minute	LMax	Highly Affected?	Day	O/day	Eve	Night	Awake	Screen	Day	O/day	Eve	Night
NCA01	7439 59	"6-10 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46			51	52		0	0	0	5	-	5	None	None	None	Noticable
NCA01	7439 58	"6-10 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46			50	51		0	0	0	4	-	4	None	None	None	Noticable
NCA01	7439 57	"6-10 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46			49	50		0	0	0	3	-	3	None	None	None	Noticable
NCA01	7439 49	"6 CENTRAL AV, WESTMEAD"	2	RES	58	53	51	46			48	49		0	0	0	2	-	2	None	None	None	Noticable
NCA01	7439 48	"6 CENTRAL AV, WESTMEAD"	1	RES	58	53	51	46			48	49		0	0	0	2	-	2	None	None	None	Noticable
NCA01	7439 25	"4 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46			47	48		0	0	0	1	-	1	None	None	None	Noticable
NCA01	7439 24	"4 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46			47	48		0	0	0	1	-	1	None	None	None	Noticable
NCA01	7439 09	"16 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46			50	51		0	0	0	4	-	4	None	None	None	Noticable
NCA01	7439 08	"16 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46			49	50		0	0	0	3	-	3	None	None	None	Noticable
NCA01	7439 07	"16 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46			48	49		0	0	0	2	-	2	None	None	None	Noticable
NCA01	7438 66	"6-10 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46			47	48		0	0	0	1	-	1	None	None	None	Noticable
NCA01	7438 65	"6-10 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46			46	47		0	0	0	0	-	0	None	None	None	Noticable
NCA01	7438 64	"6-10 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46			46	47		0	0	0	0	-	0	None	None	None	Noticable
NCA01	7438 09	"8 CENTRAL AV, WESTMEAD"	2	RES	58	53	51	46			46	47		0	0	0	0	-	0	None	None	None	Noticable
NCA01	7437 52	"14 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46			51	52		0	0	0	5	-	5	None	None	None	Noticable
NCA01	7437 51	"14 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46			49	50		0	0	0	3	-	3	None	None	None	Noticable
NCA01	7436 78	"21 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46			47	48		0	0	0	1	-	1	None	None	None	Noticable
NCA01	7436 77	"21 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46			46	47		0	0	0	0	-	0	None	None	None	Noticable
NCA01	7436 71	"3 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46			47	48		0	0	0	1	-	1	None	None	None	Noticable
NCA01	7436 70	"3 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46			46	47		0	0	0	0	-	0	None	None	None	Noticable
NCA01	7436 11	"6-10 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46			49	50		0	0	0	3	-	3	None	None	None	Noticable
NCA01	7436 10	"6-10 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46			49	50		0	0	0	3	-	3	None	None	None	Noticable
NCA01	7436 09	"6-10 RAILWAY PDE, WESTMEAD"	1	RES	58	53	51	46			48	49		0	0	0	2	-	2	None	None	None	Noticable
NCA01	7435 70	"5 RAILWAY PDE, WESTMEAD"	3	RES	58	53	51	46			48	49		0	0	0	2	-	2	None	None	None	Noticable
NCA01	7435 69	"5 RAILWAY PDE, WESTMEAD"	2	RES	58	53	51	46			48	49		0	0	0	2	-	2	None	None	None	Noticable
NCA02	7429 76	"8-12 ALEXANDRA AV, WESTMEAD"	2	RES	59	54	52	42	Y		62	63		3	8	10	20	-	20	Noticable	Noticable	Noticable	Clearly Audible
NCA02	7429 75	"8-12 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42	Υ		61	62		2	7	9	19	-	19	Noticable	Noticable	Noticable	Clearly Audible
NCA02	7429 66	"27 HASSALL ST, WESTMEAD"	3	RES	59	54	52	42			47	48		0	0	0	5	-	5	None	None	None	Noticable
NCA02	7429 65	"27 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42			47	48		0	0	0	5	-	5	None	None	None	Noticable
NCA02	7429 64	"27 HASSALL ST, WESTMEAD"	1	RES	59	54	52	42			47	48		0	0	0	5	-	5	None	None	None	Noticable
NCA02	7428 70	"13-17 BAILEY ST, WESTMEAD"	3	RES	59	54	52	42	Υ		53	54		0	0	1	11	-	11	None	None	Noticable	Clearly Audible
NCA02	7428 69	"13-17 BAILEY ST, WESTMEAD"	2	RES	59	54	52	42	Y		52	53		0	0	0	10	-	10	None	None	None	Noticable
NCA02	7427 89	"24 BAILEY ST, WESTMEAD"	2	RES	59	54	52	42			46	47		0	0	0	4	_	4	None	None	None	Noticable





	7427																					
NCA02	88	"24 BAILEY ST, WESTMEAD"	1	RES	59	54	52	42			46	47	0	0	0	4	-	4	None	None	None	Noticable
NCA02	7426 97	"21 PRIDDLE ST, WESTMEAD"	4	RES	59	54	52	42			44	45	0	0	0	2	_	2	None	None	None	Noticable
110/102	7426	ZIIIIIBEE OI, WEOTHER		1125	33	3.	52					.5	Ū	Ū		_		_	TOTAL			- Noticubic
NCA02	96	"21 PRIDDLE ST, WESTMEAD"	3	RES	59	54	52	42			44	45	0	0	0	2	-	2	None	None	None	Noticable
NCA02	7426 95	"21 PRIDDLE ST, WESTMEAD"	2	RES	59	54	52	42			42	43	0	0	0	0	_	0	None	None	None	Noticable
140,102	7426	ZIT NIBBLE ST, WESTWICKS	-	ILES	33	34	32	72			72	45	Ü	Ü	Ü	Ü			None	None	None	Noticubic
NCA02	33	"8-12 ALEXANDRA AV, WESTMEAD"	3	RES	59	54	52	42	Υ		53	54	0	0	1	11	-	11	None	None	Noticable	Clearly Audible
NCA02	7426 32	"8-12 ALEXANDRA AV, WESTMEAD"	2	RES	59	54	52	42	Y		52	53	0	0	0	10	_	10	None	None	None	Noticable
NCAUZ	7426	6-12 ALEXANDRA AV, WESTIVIEAD		NES	39	34	32	42	1		32	33	U	0	0	10	-	10	None	None	None	Noticable
NCA02	31	"8-12 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42			51	52	0	0	0	9	-	9	None	None	None	Noticable
NCAGO	7425	IIC ALEVANIDDA AV MECTATEADII		DEC	50	F.4		42			47	40	0	0	0	_		_	Nama	Nama	Nama	Nistisshis
NCA02	31 7425	"6 ALEXANDRA AV, WESTMEAD"	2	RES	59	54	52	42			47	48	U	0	0	5	-	5	None	None	None	Noticable
NCA02	30	"6 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42			47	48	0	0	0	5	-	5	None	None	None	Noticable
NGAGO	7424	IIAO HAGGAH GT MEGTAAGADII		DEC	50			42	.,	.,			44	40	24	24		24			Moderately	10.11.1.1.1.1
NCA02	77 7424	"12 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42	Y	Y	73	74	14	19	21	31	9	31	Clearly Audible	Clearly Audible	Intrusive Moderately	Highly Intrusive
NCA02	76	"12 HASSALL ST, WESTMEAD"	1	RES	59	54	52	42	Y	Υ	73	74	14	19	21	31	9	31	Clearly Audible	Clearly Audible	Intrusive	Highly Intrusive
	7424												_	_	_			_				
NCA02	16 7424	"34-38 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42			43	44	0	0	0	1	-	1	None	None	None	Noticable
NCA02	15	"34-38 HASSALL ST, WESTMEAD"	1	RES	59	54	52	42			42	43	0	0	0	0	-	0	None	None	None	Noticable
	7424																					
NCA02	12 7424	"152 HAWKESBURY RD, WESTMEAD"	1	RES	59	54	52	42			42	43	0	0	0	0	-	0	None	None	None	Noticable
NCA02	04	"7 ALEXANDRA AV, WESTMEAD"	2	RES	59	54	52	42			43	44	0	0	0	1	-	1	None	None	None	Noticable
	7424																					
NCA02	03	"7 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42			43	44	0	0	0	1	-	1	None	None	None	Noticable
NCA02	7422 85	"123-129 HAWKESBURY RD, WESTMEAD"	3	RES	59	54	52	42			44	45	0	0	0	2	-	2	None	None	None	Noticable
	7422	"123-129 HAWKESBURY RD,																				
NCA02	84	WESTMEAD"	2	RES	59	54	52	42			44	45	0	0	0	2	-	2	None	None	None	Noticable
NCA02	7422 83	"123-129 HAWKESBURY RD, WESTMEAD"	1	RES	59	54	52	42			44	45	0	0	0	2	_	2	None	None	None	Noticable
	7422												-	-	-			_				1111111111
NCA02	82	"37 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42			42	43	0	0	0	0	-	0	None	None	None	Noticable
NCA02	7422 61	"26-30 BAILEY ST, WESTMEAD"	1	RES	59	54	52	42			47	48	0	0	0	5	_	5	None	None	None	Noticable
.10/102	7422	55 5.022.5., WESTINE	<u> </u>		33	34	32				"	10		J	Ü			,				Totaldale
NCA02	60	"26-30 BAILEY ST, WESTMEAD"	3	RES	59	54	52	42			47	48	0	0	0	5	-	5	None	None	None	Noticable
NCA02	7422 59	"26-30 BAILEY ST, WESTMEAD"	2	RES	59	54	52	42			47	48	0	0	0	5	_	5	None	None	None	Noticable
INCAUZ	7422	20 30 DAILL I 31, WESTIVIEAD		IVEO	33	J4	32	44			4/	40	U	U	U	3	-	, J	ivolle	NOTE	None	ivoticable
NCA02	23	"4 ALEXANDRA AV, WESTMEAD"	2	RES	59	54	52	42			45	46	0	0	0	3	-	3	None	None	None	Noticable
NCA02	7422	"4 ALEXANDRA AV, WESTMEAD"	1	RES	59	54	52	42			44	45	0	0	0	2	_	2	None	None	None	Noticable
INCAUZ	7421	4 ALLANDRA AV, WESTIVIEAD	1	NEO	23	34	32	44			44	43	U	U	U		-	2	None	None	None	Noticable
NCA02	86	"23-25 HASSALL ST, WESTMEAD"	2	RES	59	54	52	42			49	50	0	0	0	7	-	7	None	None	None	Noticable
NCAGO	7421	"22 25 HACCALL CT M/FCTMF AD"	1	DEC	E0.	E4	[2	42			40	F0	0	0	_	7		7	None	None	None	Noticable
NCA02	85	"23-25 HASSALL ST, WESTMEAD"	1	RES	59	54	52	42		l .	49	50	U	U	0	/	-	/	None	None	None	Noticable

C-3.2 Vibration

NCA	Receiver	Address	Land use	Vibration Impact
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