

Upper South Creek

Advanced Water Recycling Centre and Pipelines

Community Agreement 03 – Park Road

EPL 21800

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Introduction

The Upper South Creek Advanced Water Recycling Centre (AWRC) (the project) has been proposed to support the population growth and economic development of the Western Sydney Aerotropolis Growth Area (WSAGA or Aerotropolis), South West Growth Area (SWGA) and the new Western Sydney International Airport. The project will provide wastewater services to Western Sydney to produce high-quality treated water for non-drinking reuse and for release to local waterways. John Holland has been appointed by Sydney Water to deliver the project works, with detailed design and construction for treating a daily wastewater flow of up to 35ML/day.

John Holland has obtained Environment Protection License (EPL 21800) from the NSW Environment Protection Authority for the construction of the project and has prepared the following written report for submission to the EPA as John Holland are seeking to undertake work outside of approved construction hours following community consultation and agreement (EPL condition E1).

Scope of Works and Further Details

John Holland commenced construction of the treated water pipeline on Park Road some weeks ago, working from east to west along the southern road verge to approximately mid-way along Park Road (approximate location 260 Park Road, Wallacia NSW 2745). This portion of the pipeline only requires a partial road closure to achieve safe working distances and ensure safety of work crews whilst still enabling flow of traffic in the adjacent lane under the guidance of traffic control.

As work crews proceed along Park Road further west towards the town center of Wallacia, there will be portions of the treated water pipeline that will be constructed in the roadway which will require a full closure of Park Road to complete the work. Park Road is a state road and as such, approval from Transport Management Centre (TMC) is required to fully close the road to undertake the work. John Holland have been working closely with TMC since September 2023 regarding the proposal and is seeking approval from TMC to close Park Road to enable completion of the work.

In April John Holland will start a program of night work along Park Road to reduce impacts on daytime traffic. In some locations, the works can be completed with only a partial road closure and the preference in this instance is to complete the work during standard daytime construction hours or in accordance with relevant EPL conditions, including L5.3, L5.4 or L5.5. For the locations along Park Road that require a full closure of the road, John Holland proposes to complete the night work up to five nights a week by closing both sides of Park Road between James Street and east of William Street, between 8pm and 5am. This would be for 40 shifts over two months, Monday to Friday and is dependent on site conditions and weather.

Figure 1 details the length of Park Road where construction of the pipeline requires a full road closure and the proposal to work 5-nights per week under a community agreement arrangement is applicable.



Figure 1: Location of works on Park Road

Options Considered

During construction planning, John Holland did consider undertaking the work during standard daytime hours, however, given the requirements of TMC that a full closure is only permitted during the evening and nighttime period, this has eliminated any other option for the sections of treated water pipeline that are to be constructed in the roadway. Furthermore, John Holland understands the potential impact that a full road closure may have on the community and has therefore placed priority on completing these works at night at an accelerated pace which reduces disruption during a shift, meaning we can get the work done faster.

Purpose

The purpose of seeking a community agreement is due to the need to complete construction of the treated water pipeline on Park Road and the full road closure requiring approval from TMC to facilitate that. TMC have approved the full road closure on the condition that it is undertaken during the evening and night-time periods only. The project is proposing to work outside standard construction hours specified in EPL condition L5.1, under a community agreement arrangement.

The project noise model has identified nearby residents who will be impacted by the works on Park Road and has therefore sought community agreement from these residence in accordance with EPL condition E1.

E1 Community Agreement

**John Holland notes that the current EPL has referenced L4 conditions under Condition E1.1 and has assumed that these condition references are incorrect, and that reference should be made to L5 conditions.*

Condition E1.1

Work outside standard construction hours – community consultation and agreement.

The licensee may work outside standard construction hours (as defined in L5.1) in circumstances other than those permitted under conditions L5.3*, L5.4*, or any other condition of this licence if the Licensee:*

a) undertakes community consultation and agreement as described in E1.2;

- The project has undertaken community consultation with the affected residents that were identified in the noise model.

b) submits to the EPA a written request to work outside the standard construction hours attaching information set out in E1.3; and

- This document details information to work outside the standard construction hours. The work involves closure of both sides of Park Road between James Street and east of William Street, 5 nights a week between 8pm and 5am. This would be for 40 shifts over two months, Monday to Friday and is dependent on site conditions and weather.

c) obtains approval by the EPA to work outside standard construction hours. The EPA may, in exercising its discretion to approve the works outside standard construction hours, review whether the licensee has obtained community agreement. Specifically, whether a substantial majority of the individual Noise Sensitive Receivers who together comprise the Community Affected Catchments and were contacted has consented to the planned works out of standard hours.

- John Holland notes that approval must be obtained from the EPA to undertake the work proposed in this community agreement.
- Out of the 62 residents identified, 2 residents did not support the proposal. Evidence of compliance to be reviewed by the EPA.

Condition E1.2

Requirements for community consultation and agreement

Any community consultation and agreement undertaken with respect to the proposed out of hours works (OOHW) must:

a) be prepared and implemented in accordance with the Interim Construction Noise Guidelines (DEC 2009), the Noise Policy for Industry (EPA, 2017) and AS2436-2010: Guide to noise and vibration control on construction, demolition and maintenance sites;

- The Out of Hour Works Permit and community consultation is detailed in Appendix 1 and 3, respectively, and has been prepared in accordance with the approved Noise and Vibration CEMP sub-plan (NVCSP) which considers the guidelines above.

b) include consultation of all noise sensitive receivers within the Community Affected Catchments. This includes Noise Sensitive Receivers that have declined to participate in previous agreements unless a community member has explicitly requested not to be involved in any future consultation about future OOHW;

- As detailed in the project noise model (Gatewave Renzo Tonin - Appendix 2) sixty-two (62) residences were identified as being impacted by the proposed works and are presented in Figure 2
- All affected residents have been consulted and have provided their consent for the works to take place. With the exception of 2 residents, all other residents identified in the project noise model did not raise any objections or issues with the works moving forward. Refer to Appendix 3 for further details.

Residents from James Street heading west



Residents from James Street heading east

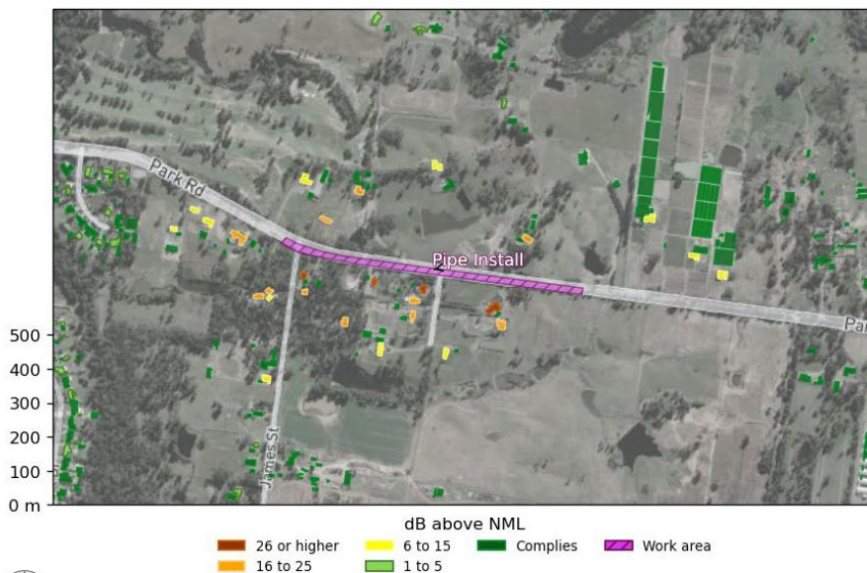


Figure 2: Community Affected Catchment

c) ensure that the noise sensitive receivers understand the nature of the works and any predicted impacts, including that consideration is made of additional requirements relevant to the needs of culturally and linguistically diverse Noise Sensitive Receivers, and include details for interpreting services for languages other than English where required.

- The project team did not require support from translating and interpreting services in order to speak with residents about the proposed works. During engagement with each sensitive receiver, the proposed works were described, and the expected noise output was compared to a common household item.

d) include in the community consultations with Noise Sensitive Receivers the following information:

i. the actual works proposed;

- Night work would include:
 - Setting up the road closure from 8pm
 - Excavating trenches for pipe installation
 - Laying and welding pipe
 - Covering sections of pipeline in concrete
 - Backfilling and reinstating affected areas
 - Re-opening the road in time for morning traffic.
- The equipment would include temporary lighting, light vehicles, heavy vehicles, compaction rollers, generators and excavators.

ii. any expected impacts in clear, plain English based on noise modelling;

- Residents from James Street heading east:
 - This work has been noise modelled and is expected to be NOISY while it is immediately in front of a property. We would compare this to the sound of an excavator working 15 meters away from a person. The work is of a rolling nature, so we don't expect to remain directly in front of a resident's property for more than 2 nights in a row.
 - After two nights of this noise impact, residents can expect to hear noise similar to a loud TV or radio, with noise levels continuing to drop as we move further away.
 - Some night work is also planned for the intersection of Park Road and Willmington Road, Luddenham. We do not expect this work to be noisy for residents and will be carrying out the works under our usual arrangement of three nights per week, with only two consecutive nights per week and no more than 10 nights per month.
- Residents from James Street heading west:
 - The work carried out on Park Road is expected to be almost silent for the duration of the 40 shifts. Due to work being of rolling nature, as we get closer to James Street, for a short period of time residents may hear noise similar to what residents would hear during the daytime from Park Road.
 - Some night work is also planned for the intersection of Park Road and Driver Avenue, Wallacia. This would be completed under our usual arrangement of three nights per week, with only two consecutive nights per week and no more than 10 nights per month. This work will be noisy, and we will ensure that residents are not affected by noise from further down Park Rd during the same weeks.

iii. the expected duration of the works;

- We will continue to work our standard construction hours, including Monday to Friday 7am to 6pm and Saturday 8am to 1 pm.
- We are seeking approval to work 5 nights per week Monday to Friday, between 8pm and 5am. This would be for 40 shifts over 2 months.

iv. any expected benefits for receivers;

- Working in this manner would improve the overall efficiency of our program of works throughout Wallacia, as it allows us to run a full week of night shift, while a second crew can continue working day shift.
- The work will be completed faster over a shorter duration instead of protracted over a number of months if we were to resort to daytime construction along Park Road only.
- The work front would move, meaning individual homes would not be affected by noise for the full two months. Also, where possible the noisiest activities, such as saw cutting and rock breaking, would be completed during dayshifts within a single lane closure.

v. any other known concurrent OOHW that will be occurring; and

- Some night work is also planned for the intersection of Park Road and Driver Avenue, Wallacia, as well for the intersection of Park Road and Willmington Road, Luddenham. We do not expect this work to be noisy for residents and will be carrying out the works under our usual arrangement of three nights per week, with only two consecutive nights per week and no more than 10 nights per month.

vi. any other OOHW that will be occurring on the nights preceding and following the proposed works or, if the proposed work precedes or follows a weekend period, any other OOHW that will be occurring on the weekend.

- Noted, and consistent with the response provided to item ((d)v) above.

e) request consent from the Noise Sensitive Receiver for their responses to be provided to the EPA;

- Consent has been received by the residents identified in the noise model and have been detailed in Appendix 3.

f) ensure that a record is kept when a licensee is unable to contact a noise sensitive receiver after three attempts, including leaving "sorry I missed you" cards explaining the reason for the visit and requesting a return phone call; and

- Appendix 3 includes details of records for contact attempts.

g) demonstrate, where the OOHW is predicted to go on longer than 28 calendar days, that the licensee has consulted the community in relation to re-engagement periods for the purpose of determining agreement from the community is maintained and continuing.

- Noted and acknowledged. The proposed work will extend beyond 28 calendar days and the project has stated its intention in the community consultation script to contact receivers every 28 days to obtain ongoing agreement.

Condition E1.3

The licensee must report to the EPA the community consultation and agreement process that was undertaken with the Community Affected Catchments. This report to the EPA must be:

a) prepared in writing;

- This document

b) detail the steps taken to fulfil the requirements of condition E1.2;

- A noise model was completed to identify the impacts of the works to the nearest residents. The project contacted the residents and provided information and details on the works planned (refer to script in Appendix 3). Residents provided consent for the works to go ahead and the project will update the residents if there are any changes to the planned works.

c) demonstrate that the Noise Sensitive Receivers understood the nature of the works and any predicted impacts, including that consideration was made of additional requirements relevant to the needs of culturally and linguistically diverse Noise Sensitive Receivers;

- The project team did not require support from translating and interpreting services in order to speak with residents about the proposed works. During door knocks and emails with each sensitive receiver, the proposed works were described and the expected noise output was compared to a common household item – refer to the script in Appendix 3.

d) provide the script used during the community consultation with Noise Sensitive Receivers;

- Full script included in Appendix 3.

e) report community response and consent rates (including where no contact could be made) against the total community affected catchments, and must be broken down into response and consent rates based on sub-catchments that are delineated by affection levels;

- Included in Appendix 3.

f) include a noise validation monitoring plan as required by E1.4; and

- Detailed below in Section E1.4.

g) be submitted to the EPA at least 15 business days prior to any works that are the subject of the agreement being undertaken unless prior arrangements have been made with the EPA

- Submitted on the 06/02/2024.

A copy of the report must be:

a) kept by the licensee for the duration of this licence including on the premises, and made available to an EPA authorised officer on request; and

- Acknowledged, a copy of this report will be kept at the premises and for the duration of EPL 21800. A copy of this report will be made available to an EPA authorised officer on request,

b) be made available on the licensee's project website or another website approved in writing by the EPA for the duration of the OOHWs permitted under condition E1.1. (Personal details of Noise Sensitive Receivers must be omitted).

- Acknowledged, a copy of this report (as approved in writing by the EPA) will be made available on John Holland's website for the duration of the OOHW permitted under condition E1.1.

Condition E1.4

Noise Validation Monitoring

A noise validation monitoring plan must be submitted to the EPA for approval as part of the community agreement documentation prior to any OOHW occurring.

- Noise validation monitoring will be done in accordance with the Noise and Vibration CEMP Sub-plan and the CNVIS.
- Noise validation monitoring of construction noise levels will be undertaken as follows:
 - Monitoring will be undertaken at the location which is used as part of noise prediction assessments and is consistent with the project's noise prediction tool, Gateway;
 - Monitoring will be carried out at the commencement of the activity. This will confirm that actual noise levels are consistent with noise impact predictions and that the management measures that have been implemented are appropriate;
 - Monitoring will be recorded over 15-minute sample intervals, excluding periods of extraneous noise until a representative sample has been obtained.
 - Monitoring will involve the minimum range of noise metrics, including the following A-weighted noise levels: LA90, LAeq, LA10, LA (min) and LA(max).
 - Noise measurements will be timed to ensure operation of the noisiest plant is captured.
 - Measurements will be recorded on a project-specific noise verification record form (Appendix A of the USC Noise & Vibration CEMP sub-plan).

Condition E1.5

Validation monitoring must be undertaken for any OOHW that are the approved under condition E1.1 and must:

a) be undertaken in accordance with the monitoring plan prepared under condition E1.4;

- Validation monitoring will be undertaken as stated in condition E1.4

b) be performed by a Competent Person;

- A member of the Upper South Creek Environment Team will be conducting the noise verification monitoring. All members of the team meet the definition of a *Competent Person* in the EPL21800 Special Dictionary (E2.1).

c) be performed on at least the first 2 occasions (day, evening, nights) where OOHW will be undertaken and are likely to impact Noise Sensitive Receivers;

- Noise monitoring will take place during the evening OOH period (between 6pm to 10pm) and nighttime OOH period (between 10pm to 7am) for the first two occasions.

d) be performed on any other occasion (day, evening, night) where the nature of the works is likely to cause greater noise impacts than the first 2 occasions;

- Noted, noise validation monitoring will be performed on any other occasion (day, evening, night) where the nature of the works is likely to cause greater noise impacts than the first 2 occasions.

e) be representative of the impacts in terms of monitoring locations, time and duration of measurements; and

- Monitoring will take place in accordance with the nominated verification monitoring locations set out in Table 5 of the Gateway noise model (Appendix 2). This will be conducted in 15-minute intervals. It will be undertaken during the noisiest works predicted to take place during the shift.
- Where verification monitoring cannot take place at the nominated locations above, verification monitoring will take place at the project boundary and calculation will be done to identify the noise levels at the resident.

f) be recorded and provided to an EPA officer upon request.

- Monitoring data will be recorded and can be provided to the EPA upon request.

Condition E1.6

If validation monitoring undertaken under Condition E1.5 shows that noise levels are higher than those predicted by any noise modelling undertaken as part of the community agreement, work practices must be modified immediately so that measured noise levels do not exceed predicted levels.

Where it has been determined that works cannot be modified to achieve the predicted noise levels:

a) the licensee must report immediately to the EPA; and

- Acknowledged, the project will report to the EPA if the noise levels are above predicted levels.

b) after considering the circumstances EPA may withdraw its permission under E1.1.

- Acknowledged, the project agrees with this condition.

Condition E1.7

Ongoing community engagement and agreement

a) For any approval of OOHW under E1.1 predicted to take longer than 28 calendar days to remain valid, the licensee must be able to demonstrate agreement from the community is maintained and continuing.

- Noted and acknowledged. The proposed work will extend beyond 28 calendar days and will contact receivers every 28 days to obtain ongoing agreement.

b) To demonstrate agreement from the community is maintained and continuing the licensee must:

i. engage the community to determine if a substantial majority of Noise Sensitive Receivers continue to consent to the OOHW pursuant to the re-engagement period determined under condition E1.2(d);

- Noted and acknowledged.

ii. provide the EPA with a report within 7 calendar days of the end of each re-engagement period summarising the community response including ongoing consent rates of the Noise Sensitive Receiver; and

- Noted and acknowledged.

c) Where the licensee is unable to demonstrate a substantial majority of agreement from Community Affected Catchment is maintained and continuing:

i. the licensee must report immediately to the EPA; and

- Noted and acknowledged.

ii. after considering the circumstances EPA may withdraw its permission under E1.1.

- Noted and acknowledged.

Conclusion

John Holland seeks the EPA's approval to undertake work outside of standard construction five nights a week between 8pm and 5am. This would be for 40 shifts over two months, Monday to Friday and to commence from approximately April 2024, based on the agreement from 60 out of 62 residents within the Community Affected Catchment.

Appendix 1 – OOHW Permit

A. General Details			
Contract:	Upper South Creek (USC) Project		
Contractor:	John Holland Pty. Ltd.		
Application Title:	Trenching Park Road		
Application Number:	P0028		
Application Date:	05/03/2024		
Relevant Planning Approval:	SSI 8609189		
Environmental Protection Licence (EPL):	21800		
Contact Details			
Position	Name	Contact Number	Email
Construction Manager	Aidan O'Driscoll	0414 945 464	Aidan.o'driscoll@jhg.com.au
Senior Project Engineer	Mina Mousa	0429 078 525	Mina.Mousa@jhg.com.au
Communications Representative	Sheila Maidment	0459 885 912	Sheila.Maidment@jhg.com.au
Environmental Manager / Representative	Alyce Harrington	0409 633 908	Alyce.Harrington@jhg.com.au

B. Details of Proposed Scope of Works	
Proposed Works: <ul style="list-style-type: none"> • Work methodologies. • List of plant / equipment to be used (worst case scenario). 	<p>The works are planned to take place along a section of Park Road on the Treated Water (TW) pipeline (NCA T5).</p> <p>A Community Agreement has been established for evening and night work along a section of Park Road for up to five nights a week. As part of these works, there will be a full road closure on both sides of Park Road between James Street and east of William Street, five nights a week between 8pm and 5am. This would be for 40 shifts over two months, Monday to Friday. Access would be maintained for residents who live within the work zone.</p> <p>The work front would move, meaning individual homes would not be affected by noise for the full two months. Also, where possible the noisiest activities, such as saw cutting and rock breaking, would be completed during dayshifts within a single lane closure.</p> <p>Out of Hours works will include:</p> <ul style="list-style-type: none"> - Setting up the road closure from 8pm - Excavating trenches for pipe installation - Laying and welding pipe - Covering sections of pipeline in concrete - Backfilling and reinstating affected areas - Re-opening the road in time for morning traffic. <p>The plant and equipment which will be used includes the following:</p> <ul style="list-style-type: none"> • Truck and Dog x 1 • Lighting tower x 4 • Trench Roller x 1 • Tipper x 1 • Light vehicles x 8 • Vacuum truck x 1 • Excavator w bucket (25t) x 2 • Welding tools /oxy x 1 • Concrete vibrator x 1 • Compactor / Wacker packer x 1 <p>Commencement of these works is subject to approval by NSW EPA.</p>
Justification for OOHW	Community Agreement in accordance with EPL Condition E1.1
Proposed Timings	Works outside standard construction hours will be undertaken during the following Out of Hours (OOH) periods:

	<ul style="list-style-type: none">• OOH Period 1 (6 pm- 10pm)• OOH Period 2 (10 pm – 7am)
Worst-case number of consecutive occasions affecting the same receiver:	5
Acoustic Assessment attached? <input checked="" type="checkbox"/> Yes (Refer to Appendix 3) <input type="checkbox"/> No	

C. Assessed Noise and Vibration Impacts and Applicable Mitigation Measures		
Refer to Appendix 3 for quantitative Noise and Vibration Impact Assessment for the works.		
Mitigation Measures		
Noise / Vibration Mitigation Measure	Reasonable / Feasible (Y/N/NA)	Comments
Have you considered programming of noisy activities to reduce community impacts?	N/A	Where possible, noisy works such as saw cutting will be prioritised to be completed during the day period.
Are there alternative plant or methods that can be used to reduce noise?	N/A	No alternative plant or methods are proposed. The nature of open trenching works allows the workfront to progress and ensure nearby receivers are not exposed to noise for multiple nights.
Noise barriers/mats to assist noise management for all noisy works where practical	N/A	Noise barriers will be in place during activities such as saw cutting and rock breaking.
Where possible, trucks and vehicles to be parked up between noisy works when operating near sensitive receivers.	Y	This will be implemented where reasonable and feasible.
All plant and equipment to minimise reversing where possible and must include the use of non-tonal reversing beepers (or an equivalent mechanism, e.g. 'quackers')	Yes	All mobile plant and equipment on site will have non-tonal reversing alarms equipped.
Staff to be briefed before works - no loud talking, excessive use of radios, music, swearing, be mindful of the community. Turn off equipment when not in use. Do not drop tools, equipment, and materials	Yes	Included in inductions and pre-starts.
Supervisors will make note of, and have removed off site and replaced any equipment item observed to have defective noise controls e.g. defective muffler, loose or missing cowling or engine compartment panels etc	Yes	Defective plant and equipment will be identified during plant inductions and during site inspections. Any defective plant/equipment will be removed and/or replaced.
During high noise impact works 3 hours on 1 hour off must be enforced unless the high noise activity is to be completed before midnight.	Yes	High noise impact work will be prioritised to be completed during the day period wherever possible. Where high noise impact works are carried out after 12am these will continue with 3 hours on and 1 hour off.
Can temporary relocation (eg. accommodation) be offered to the adjacent sensitive receivers?	N/A	Alternative accommodation is not proposed as part of this community agreement.
Is minimum distance for cosmetic damage or human comfort triggered	N/A	No vibratory works will be carried out within the minimum working distance.
Are there any additional measures that could be incorporated to further mitigate any noise impacts?	Y	<ul style="list-style-type: none"> All workers are to have completed the project induction and attended the pre-start toolbox. Pre-start toolbox is to include the requirement for workers to leave the site in a quiet and considerate manner after the completion of works, being mindful of the site's neighbours. Workers to communicate through walkie talkies when communicating over large distances (no shouting). Flood lights will be directed down to prevent light spill. Reversing alarms to be non-tonal only. Plant not in use to be switched off. Residential grade mufflers will be fitted. Air brake silencers will be installed and operational. No signalling by horns. No whistles to be used. No shouting.

		<ul style="list-style-type: none"> No radios. No dropping of materials from height, throwing of metal items and slamming of doors. No excessive revving of plant and vehicle engines.
Additional Mitigation Measures	Reasonable/Feasible (Y/N/NA)	Comments
Notification (N)	Y	<ul style="list-style-type: none"> A Gatewave noise model has been developed which models the activity occurring in the work area. The model identified residents to be impacted. The residents were consulted and notified prior to works taking place.
Specific Notification (SN)	Y	<ul style="list-style-type: none"> A specific community consultation script regarding the works was delivered to each of the identified receivers as part of the community agreement process.
Individual Briefing (IB)	Y	<ul style="list-style-type: none"> A specific community consultation script regarding the works was delivered to each of the identified receivers as part of the community agreement process.
Alternative Accommodation (AA)	N	<ul style="list-style-type: none"> Alternative accommodation has not been considered as part of the community agreement.
Verification of predicted noise (V)	Y	<ul style="list-style-type: none"> Attended verification noise monitoring will be carried out at the nearest residential receiver during the start of the works (the closest available location).
Phone Call (PC)	Y	<ul style="list-style-type: none"> A specific community consultation script regarding the works was delivered to each of the identified receivers as part of the community agreement process.
Project Specific Respite Offer (RO)	N	<ul style="list-style-type: none"> Works will continue for 5 consecutive nights in accordance with the community agreement. Respite will be provided on Saturdays and Sundays until completion of the works. High noise activities will be completed during the day period wherever possible.
Duration Respite (DR)	N	<ul style="list-style-type: none"> The works proposed to be completed in accordance with the community agreement will allow the scope of work on Park Road to be completed within a shorter timeframe.

D. Approval Status	
<input checked="" type="checkbox"/> OOHW Approved / Endorsed <input type="checkbox"/> OOHW Approved with conditions (see below) <input type="checkbox"/> OOHW Rejected	
Conditions for Approval: 	

Assessment of Risk Factors: <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High			
Position	Name	Signature	Date
Environmental Manager	Alyce Harrington		05/03/2024
Senior Project Engineer	Mina Mousa		05/03/2024
Construction Manager	Aidan O'Driscoll		05/03/2024
Community Manager	Sheila Maidment		05/03/2024

Appendix 1: Gatewave Noise Model

Appendix 2: Community Consultation Script

Appendix 2 – Gatewave Noise Model

09 February 2024

2024-02-09_TM588-04 Park Road - OOHW Worst Case - ID TM588_071.docx

John Holland

Adrian Morris

adrian.morris@renzotonin.com.au

From: Renzo Tonin and Associates via Gatewave

Calculation scenario: **Park Road - OOHW Worst Case** (Gatewave ID TM588_071)

Upper South Creek – Noise and Vibration Assessment Report

1 Introduction

The Renzo Tonin and Associates web-based construction assessment tool (Gatewave) has been used to prepare this noise and vibration assessment report for John Holland and the Upper South Creek Advanced Water Recycling Centre project (the Project).

The overall noise and vibration impacts from the Project works and associated mitigation measures (e.g. hoardings) have already been addressed in previous Construction Noise and Vibration Impact Statements (CNVIS) in accordance with CoA E48. This tool allows specific work areas and activities to be assessed as construction works progress. It also allows cumulative noise impact from other aspects of the Project or, where relevant noise from other construction projects, to be assessed and managed in accordance with the Construction Noise and Vibration Management Plan (USCP-JHG-MPL-ENV-0007, the 'CNVMP').

2 Assessment methodology

2.1 Construction noise

Results for the assessment of airborne noise were determined using a CadnaA computer noise model developed for the Project. The CadnaA noise model incorporates ground elevation contours, building heights, the built environment and atmospheric conditions to predict construction noise in accordance with the International Standard ISO 9613-2:1996 implementing quality standard ISO 17534-1:2015.

Results from the CadnaA noise model are exported and stored into the Gatewave database which allows for the prediction of the total cumulative noise from all construction activities.

A summary of the noise calculation parameters is detailed in Table 1.

Table 1: Summary of noise modelling parameters

Parameters	Inputs
Calculation method	ISO 9613-2:1996 implementing quality standard ISO 17534-1:2015
Location of noise sources above the local ground	1.5m
Height of receivers	1.5m above ground level to represent 1.5m above ground floor level Additional 3m height for every additional floor assessed (i.e. 4.5m above ground for first floor, 7.5m for second floor etc.)
Sound Power Levels (L_w) of plant and equipment	All L_w data obtained from Renzo Tonin & Associates database Detailed in Section 3
Construction activities	Detailed in Section 3
Ground absorption	Varying from 1 for absorptive surfaces (e.g. park land), 0.5 (e.g. residential areas) to 0 for reflective surfaces (e.g. water, concrete, paving);
Noise barriers and screening	As detailed in Project CNVIS

2.2 Construction vibration

If there are any vibration intensive plant and equipment, the recommended minimum working distances (MWD) are presented in Table 4.

3 Construction activities, work areas and NCAs

3.1 Justification to complete the works OOH

Works completed in accordance with a community agreement.

3.2 Construction activities

3.2.1 Plant and equipment use

A summary of the plant and equipment operating during each assessment time period is presented in Table 2. Note that Table 2 identifies if a plant/equipment item is used for part or all of the assessment period on a given day, and does not necessarily denote if the plant/equipment are operating concurrently (refer APPENDIX A for details on which plant/equipment are operating together).

Table 2: Proposed construction activities and associated sound power levels

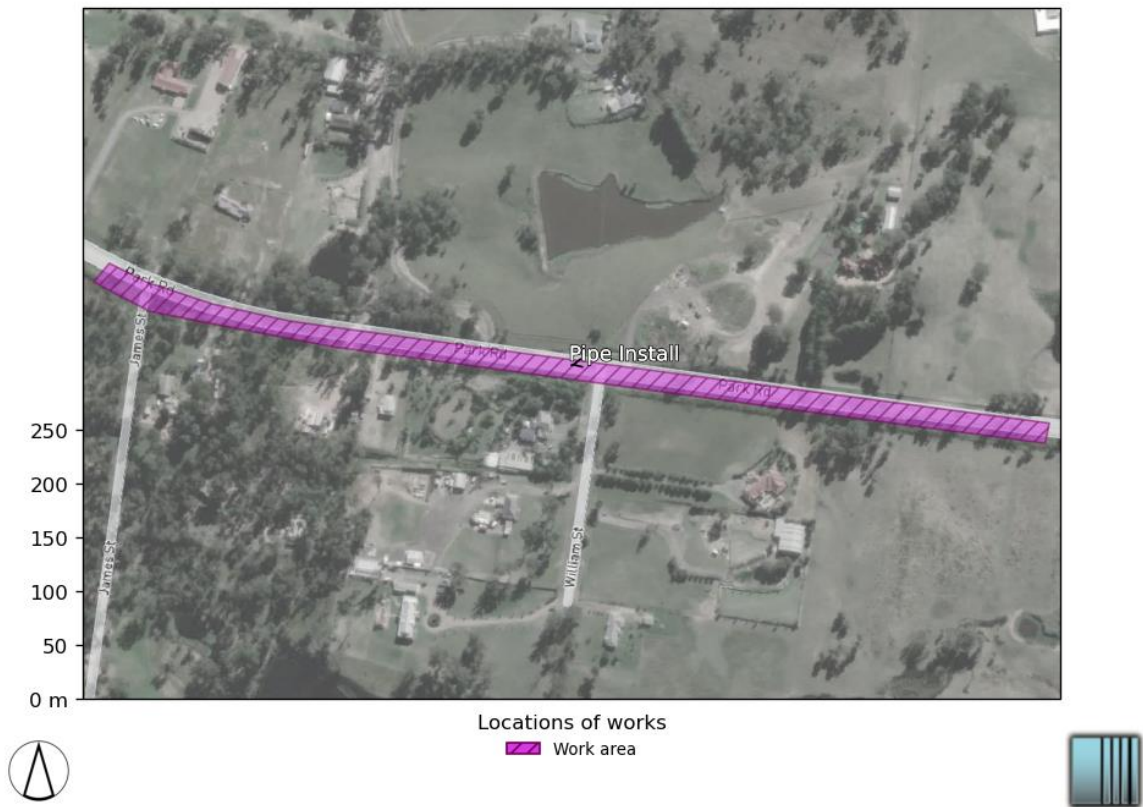
Activity/plant/equipment	Number in use				Sound power level, dB(A)		High impact item	Noise reduction from mitigation measures, dB(A)
	Day	Day (OOH)	Evening	Night	Leq	Lmax		
Pipe Install								
Truck and Dog	-	-	1	1	106	111	-	-
Lighting tower	-	-	4	4	105	102	-	-
Trench Roller	-	-	1	1	114	113	Yes	-
Tipper	-	-	1	1	103	111	-	-
Light vehicles	-	-	8	8	98	100	-	-
Vacuum truck	-	-	1	1	107	111	-	-
Excavator w bucket (25t)	-	-	2	2	106	108	-	-
Welding tools /oxy	-	-	1	1	102	105	-	-
Concrete vibrator	-	-	1	1	97	100	-	-
Compactor / Wacker packer	-	-	1	1	108	110	-	-

Notes:

- 1) Refer APPENDIX A for plant/equipment timings and to identify which items operate concurrently.
- 2) Equipment marked in orange are not verified by Renzo Tonin and Associates

The locations of the construction activities are presented in Figure 1.

Figure 1: Construction work areas



4 Construction noise and vibration impacts

4.1 Predicted noise levels

4.1.1 Construction $L_{Aeq,15min}$ assessment

Noise levels were determined by modelling the noise sources, receiver locations, and operating activities, based on the information presented in Table 2.

The noise predictions presented in this report represent a realistic worst-case scenario when construction occurs at the closest location within a specific work area. At each receiver, noise levels will vary during the construction period based on the position of equipment within the work area, the distance to the receiver, the construction activities being undertaken and the noise levels of particular plant items and equipment. Actual noise levels will often be less than the predicted levels presented.

A summary of the results is presented in Table 3. NMLs and predictions for the three worst-affected receivers for each works area are provided in Table 5. Detailed noise results including additional mitigation measures are provided in APPENDIX B and presented visually in noise maps in APPENDIX C.

Table 3: Summary of receivers above relevant NMLs

NCA	Day		Day (OOH)		Evening		Night	
	dB(A) above NML	No. of properties	dB(A) above NML	No. of properties	dB(A) above NML	No. of properties	dB(A) above NML	No. of properties
NCA T5	0 to 10		0 to 5		0 to 5	7	0 to 5	5
	> 10		6 to 15		6 to 15	12	6 to 15	12
	Over 75 dB(A)		16 to 25		16 to 25	6	16 to 25	11
			> 25		> 25	0	> 25	0
NCA T6	0 to 10		0 to 5		0 to 5	0	0 to 5	28
	> 10		6 to 15		6 to 15	0	6 to 15	0
	Over 75 dB(A)		16 to 25		16 to 25	0	16 to 25	0
			> 25		> 25	0	> 25	0
Horse Stable	0 to 10		0 to 5		0 to 5	0	0 to 5	0
	> 10		6 to 15		6 to 15	0	6 to 15	0
	Over 75 dB(A)		16 to 25		16 to 25	0	16 to 25	0
			> 25		> 25	0	> 25	0
Industrial	0 to 10		0 to 5		0 to 5	0	0 to 5	0
	> 10		6 to 15		6 to 15	0	6 to 15	0
	Over 75 dB(A)		16 to 25		16 to 25	0	16 to 25	0
			> 25		> 25	0	> 25	0
Commercial	0 to 10		0 to 5		0 to 5	0	0 to 5	0
	> 10		6 to 15		6 to 15	0	6 to 15	0
	Over 75 dB(A)		16 to 25		16 to 25	0	16 to 25	0
			> 25		> 25	0	> 25	0

4.2 Predicted vibration levels

The recommended MWDs for cosmetic damage and human annoyance are presented in Table 4.

Table 4: Generic minimum working distances for cosmetic damage and human annoyance

Plant item	Reference	Minimum working distance, m			
		Cosmetic damage (screening criteria)		Human comfort (screening limit)	
		Heritage buildings	Non-heritage	Residential ¹	Non-residential ²
Trench Roller		5	5	20	5
Compactor / Wacker packer	RTA COMPAC_007	5	5	15	5

Notes:

1. Screening limit for residences, night time
2. Screening limit for offices, schools, educational institutions and places of worship (day or night)

4.3 Mitigation measures

4.3.1 Specific reasonable and feasible mitigation measures

Specific mitigation measures detailed in Out of Hours Permit and community agreement.

4.3.2 Additional noise mitigation measures

In accordance with the CNVG, where, after application of all reasonable and feasible mitigation measures, the $L_{Aeq(15\text{minute})}$ airborne construction noise levels are still predicted to exceed the NMLs, additional airborne noise mitigation measures can be applied to further limit the risk of annoyance from construction noise.

Figure 2 presents a summary of the additional noise mitigation measures applicable for construction activities where, after application of all reasonable and feasible mitigation options, construction noise levels still exceed the NMLs.

Figure 2: Additional airborne noise mitigation measures

When is the work being undertaken?	How much does the predicted noise level exceed the ANML by?	Identify additional management measures to be implemented	Additional mitigation measure code
All Hours	75 dB(A) or greater	V, N, PC, RO	AM2
Standard Hours M-F 7am to 6pm Sat 8am to 6pm	0 dB(A)	-	-
	< 10 dB(A)	-	-
	10 to 20 dB(A)	V, N	AM1
	> 20 dB(A)	V, N	AM1
OOHW Period 1 M-F 6pm to 10pm Sat 6pm to 10pm Sun/ PH 8am to 10pm	< 5 dB(A)	-	-
	5 to 15 dB(A)	N, R1, DR	AM3
	15 to 25 dB(A)	V, N, R1, DR	AM4
	> 25 dB(A)	V, N, SN, IB, PC, R1, DR	AM5
OOHW Period 2* M-F 10pm to 7am Sat 10pm to 8am Sun/ PH 6pm to 8am	< 5 dB(A)	N	AM6
	5 to 15 dB(A)	V, N, R2, DR	AM7
	15 to 25 dB(A)	V, N, SN, IB, PC, R2, DR	AM8
	> 25 dB(A)	AA, V, N, SN, IB, PC, R2, DR	AM9

Notes: Use the abbreviation codes in the table above to confirm management measures required

* Where OOHV occur in the evening/night shoulder period (10pm to 12am) or the night/morning shoulder period (5am to 7am) apply additional airborne mitigation measures from the OOHV Period 2, excluding AA.

N = Notification (should be issued a minimum of five working days prior to the start of works)

SN = Specific notifications (issued no later than seven calendar days ahead of construction activities)

IB = Individual briefing

PC = Phone Call

AA = Alternative accommodation**

RO = Project specific respite offer

R1 = Respite period 1

V = Verification of predicted noise

DR = Duration respite

R2 = Respite period 2

** Where construction activity impacts receiver for more than two consecutive nights. AA is not applicable to shoulder periods.

4.3.3 Noise monitoring plan

Attended noise monitoring is to be undertaken to verify that noise levels resulting from works are in accordance with the levels predicted in this noise and vibration assessment report, subject to obtaining the property owner/occupier's consent to access the property (where required). Noise monitoring should be carried out on or near the property boundary at a location representative of the worst affected location (i.e. in publicly accessible areas on or near the nominated receivers, typically at ground level).

Table 5 identifies potential monitoring locations in each NCA, which are the three worst noise-affected receivers for each NCA from the works.

Note: Gatewave tries to find the most affected receivers in each NCA (up to 3 locations) purely based on the numerical results. These locations will be reviewed for suitability based on safety, accessibility, will provide valid data, etc. If not suitable, alternative suitable locations will be selected for verification monitoring.

If monitoring levels exceed predicted levels, continual improvement and corrective action measures will be implemented, (e.g. investigate cause, review work or activity, scheduling, etc).

Table 5: Nominated verification monitoring locations

Receiver			Noise management levels (NMLs), dB(A)				Sleep disturbance goals, dB(A)		Predicted noise levels, dB(A) Leq,15min				Predicted noise levels, dB(A) Lmax
NCA	Address	Land use	NML Day	NML Day (OOH)	NML Evening	NML Night	Lmax (screening)	Lmax (limit)	Day	Day (OOH)	Evening	Night	Night
NCA T5	148 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	72	72	70
NCA T5	1 WILLIAM STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	71	71	70
NCA T5	2-10 WILLIAM STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	66	66	65
NCA T6	72 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	44	44	43
NCA T6	5 MONTELIMAR PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	44	44	43
NCA T6	3 MONTELIMAR PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	44	44	43

4.3.4 Vibration monitoring

It is noted that the generic MWDs in Table 4 are taken from a database of vibration levels measured at various sites or obtained from other sources (e.g. BS5228-2:2009). They are not specific to these works as final vibration levels are dependent on many factors including the actual plant used, its operation and the intervening geology between the activity and the receiver.

Site specific MWDs for vibration significant plant items must be measured on site where plant and equipment are likely to operate close to or within the generic MWDs for both cosmetic damage and human annoyance. These site specific MWDs will then be included in Gatewave.

If works are likely to be within the generic or site specific MWDs, attended vibration monitoring is to be undertaken to verify that vibration levels comply with the vibration objectives described in the CNVMP.

Additional monitoring for human annoyance from vibration would be carried out proactively and in response to vibration complaints.

Vibration monitoring should follow the procedures outlined in Appendix F of the CNVG.

Important disclaimer

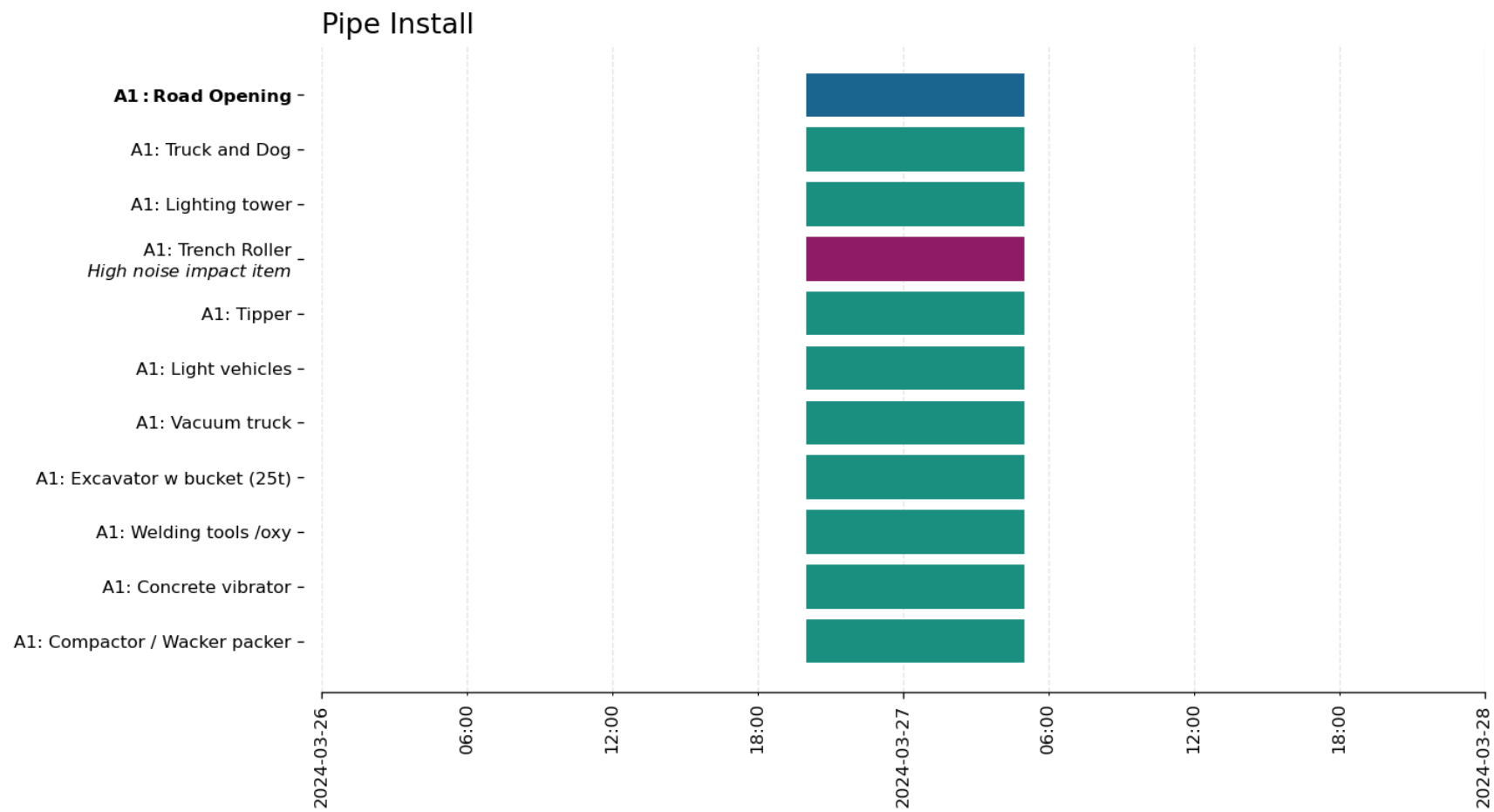
- * This document has been partly automatically generated by Gatewave™, software for prediction, assessment and management of noise and vibration, developed by Renzo Tonin and Associates.
- * This document is uncontrolled. Please contact Renzo Tonin and Associates if you suspect there are any errors in this report.
- * Results in this report are based on the assumptions described in Section 0 and inputs presented in Section 3. Noise and vibration monitoring data will be collected to ensure Gatewave is verified and adjusted, if required.
- * Renzo Tonin and Associates cannot be held liable for the misuse of the software Gatewave™, including any errors that may be contained within the software.

APPENDIX A Summary of works

A.1 Plant and equipment

Table 6: Plant and equipment schedule for work area: Pipe Install

Equipment	Penalty, dB(A)	Quantity	Intensity	Reduction, dB	Sound power level, dB(A)		Start time	End time
					L _{eq,15min}	L _{max}		
Road Opening								
Truck and Dog	-	1	100%	0	106	111	20:00:00	05:00:00
Lighting tower	-	4	100%	0	105	102	20:00:00	05:00:00
Trench Roller	5	1	100%	0	114	113	20:00:00	05:00:00
Tipper	-	1	100%	0	103	111	20:00:00	05:00:00
Light vehicles	-	8	100%	0	98	100	20:00:00	05:00:00
Vacuum truck	-	1	100%	0	107	111	20:00:00	05:00:00
Excavator w bucket (25t)	-	2	100%	0	106	108	20:00:00	05:00:00
Welding tools /oxy	-	1	100%	0	102	105	20:00:00	05:00:00
Concrete vibrator	-	1	100%	0	97	100	20:00:00	05:00:00
Compactor / Wacker packer	-	1	100%	0	108	110	20:00:00	05:00:00



APPENDIX B Detailed construction noise results

Table 7: Construction noise results

Receiver		Noise management levels (NMLs), dB(A)				Sleep disturbance goals, dB(A)		Predicted noise levels, dB(A) Leq,15min				Predicted noise levels, dB(A) Lmax		Additional mitigation			
		NML Day	NML Day (OOH)	NML Evening	NML Night	Lmax (screening)	Lmax (limit)	Day	Day (OOH)	Evening	Night	Night	Day	Day (OOH)	Evening	Night	
148 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	72	72	70	-	-	AM5	AM7	
1 WILLIAM STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	71	71	70	-	-	-	-	
1 WILLIAM STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	71	71	70	-	-	AM5	AM7	
1 WILLIAM STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	69	69	68	-	-	-	-	
2-10 WILLIAM STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	66	66	65	-	-	AM4	AM7	
2 JAMES STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	66	66	65	-	-	AM4	AM7	
1 WILLIAM STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	65	65	64	-	-	AM4	AM6	
1 WILLIAM STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	65	65	64	-	-	-	-	
127 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	65	65	64	-	-	AM4	AM6	
1-9 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	64	64	62	-	-	-	-	
2 JAMES STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	63	63	62	-	-	-	-	
12-20 WILLIAM STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	62	62	61	-	-	AM4	AM6	
1-9 JAMES STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	62	62	61	-	-	-	-	
169 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	62	62	60	-	-	AM4	AM6	
2 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	61	61	60	-	-	-	-	
169 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	61	61	60	-	-	-	-	
2-10 WILLIAM STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	60	60	59	-	-	-	-	
2 JAMES STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	60	60	59	-	-	AM1	AM6	
9 WILLIAM STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	60	60	59	-	-	AM1	AM6	
9 WILLIAM STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	60	60	58	-	-	-	-	
1-9 JAMES STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	59	59	58	-	-	AM1	AM6	
11-19 JAMES STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	58	58	57	-	-	AM1	AM6	
None	Non-receiver	999	999	999	999	None	None	-	-	58	58	56	-	-	-	-	
1-9 JAMES STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	57	57	56	-	-	-	-	
2 JAMES STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	57	57	56	-	-	AM1	AM6	
11-19 JAMES STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	57	57	56	-	-	AM1	AM6	
137 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	56	56	55	-	-	AM1	AM6	
9 WILLIAM STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	56	56	55	-	-	-	-	
9 WILLIAM STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	55	55	54	-	-	-	-	
22-34 WILLIAM STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	55	55	54	-	-	AM1	AM2	
137 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	55	55	54	-	-	-	-	
115 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	55	55	54	-	-	-	-	
1-9 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	54	54	53	-	-	-	-	
19-29 WILLIAM STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	54	54	53	-	-	AM1	AM2	
115 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	54	54	53	-	-	AM1	AM2	
127 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	54	54	53	-	-	-	-	
137 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	54	54	53	-	-	-	-	
137 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	54	54	53	-	-	-	-	

Receiver		Noise management levels (NMLs), dB(A)				Sleep disturbance goals, dB(A)		Predicted noise levels, dB(A) Leq,15min				Predicted noise levels, dB(A) Lmax		Additional mitigation		
Address	Land use	NML Day	NML Day (OOH)	NML Evening	NML Night	Lmax (screening)	Lmax (limit)	Day	Day (OOH)	Evening	Night	Night	Day	Day (OOH)	Evening	Night
169 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	54	54	53	-	-	-	-
19-29 WILLIAM STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	53	53	52	-	-	-	-
11-19 JAMES STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	53	53	52	-	-	AM1	AM2
19-29 WILLIAM STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	53	53	52	-	-	-	-
90 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	53	53	52	-	-	AM1	AM2
137 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	53	53	52	-	-	-	-
1-9 JAMES STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	52	52	51	-	-	-	-
151 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	52	52	51	-	-	-	-
19-29 WILLIAM STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	52	52	51	-	-	-	-
22-34 WILLIAM STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	52	52	51	-	-	-	-
137 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	52	52	51	-	-	-	-
151 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	51	51	50	-	-	-	-
169 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	51	51	50	-	-	-	-
35-39 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	51	51	50	-	-	-	-
35-39 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	51	51	50	-	-	-	-
169 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	51	51	50	-	-	-	-
197 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	51	51	50	-	-	-	-
21-33 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	51	51	50	-	-	-	-
223 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	51	51	50	-	-	-	-
90 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	50	50	49	-	-	-	-
82 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	50	50	49	-	-	-	-
151 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	49	49	48	-	-	-	AM2
90 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	49	49	48	-	-	-	-
21-33 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	49	49	48	-	-	-	-
223 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	49	49	48	-	-	-	-
21-33 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	48	48	47	-	-	-	-
21-33 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	48	48	47	-	-	-	-
35-39 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	48	48	47	-	-	-	-
19-29 WILLIAM STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	48	48	47	-	-	-	-
21-33 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	48	48	46	-	-	-	-
223 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	48	48	46	-	-	-	AM2
1-9 JAMES STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	47	47	46	-	-	-	-
235 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	47	47	46	-	-	-	AM2
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	46	46	45	-	-	-	-
35-39 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	46	46	45	-	-	-	-
82 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	46	46	45	-	-	-	AM2
90 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	46	46	45	-	-	-	AM2
235 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	46	46	45	-	-	-	AM2
35-39 JAMES STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	46	46	45	-	-	-	AM2

Receiver		Noise management levels (NMLs), dB(A)				Sleep disturbance goals, dB(A)		Predicted noise levels, dB(A) Leq,15min				Predicted noise levels, dB(A) Lmax		Additional mitigation		
Address	Land use	NML Day	NML Day (OOH)	NML Evening	NML Night	Lmax (screening)	Lmax (limit)	Day	Day (OOH)	Evening	Night	Night	Day	Day (OOH)	Evening	Night
197 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	46	46	45	-	-	-	-
223 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	46	46	45	-	-	-	-
41-49 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	46	46	45	-	-	-	-
217 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	45	45	44	-	-	-	-
76 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	45	45	44	-	-	-	-
76 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	45	45	44	-	-	-	-
223 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	44	44	44	-	-	-	-
72 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	44	44	43	-	-	-	AM1
5 MONTELMAR PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	44	44	43	-	-	-	AM1
22 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	44	44	43	-	-	-	-
35-39 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	44	44	43	-	-	-	-
3 MONTELMAR PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	44	44	43	-	-	-	AM1
30-32 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	44	44	43	-	-	-	AM1
22 JAMES STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	44	44	43	-	-	-	-
41-49 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	44	44	43	-	-	-	-
4 MONTELMAR PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	43	43	42	-	-	-	-
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	43	43	42	-	-	-	-
82 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	43	43	42	-	-	-	-
223 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	43	43	42	-	-	-	-
22 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	43	43	42	-	-	-	-
22 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	43	43	42	-	-	-	-
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	43	43	42	-	-	-	-
6 MONTELMAR PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	43	43	42	-	-	-	AM1
197 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	43	43	42	-	-	-	-
22 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	43	43	42	-	-	-	-
257-277 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	43	43	42	-	-	-	-
62 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	43	43	42	-	-	-	AM1
22 JAMES STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	42	42	41	-	-	-	-
10 DENTON PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	42	42	41	-	-	-	AM1
31-34 KADIERA CLOSE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	42	42	41	-	-	-	AM1
72 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	42	42	41	-	-	-	-
9 DENTON PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	42	42	41	-	-	-	AM1
27-30 KADIERA CLOSE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	42	42	41	-	-	-	AM1
34-36 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	42	42	41	-	-	-	AM1
149 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	42	42	41	-	-	-	AM1
22 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	42	42	41	-	-	-	-
217 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	42	42	41	-	-	-	AM1
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	42	42	41	-	-	-	-
46-48 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	42	42	41	-	-	-	AM1

Receiver		Noise management levels (NMLs), dB(A)				Sleep disturbance goals, dB(A)		Predicted noise levels, dB(A) Leq,15min				Predicted noise levels, dB(A) Lmax		Additional mitigation			
Address	Land use	NML Day	NML Day (OOH)	NML Evening	NML Night	Lmax (screening)	Lmax (limit)	Day	Day (OOH)	Evening	Night	Night	Day (OOH)	Evening	Night		
68 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	42	42	41	-	-	AM1		
217 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	42	42	41	-	-	-		
10 MONTELMAR PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	42	42	41	-	-	AM1		
18-26 KADIERA CLOSE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	42	42	41	-	-	AM1		
68 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	42	42	41	-	-	AM1		
22 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	42	42	40	-	-	-		
147 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	41	41	40	-	-	AM1		
12 DENTON PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	41	41	40	-	-	AM1		
27-30 KADIERA CLOSE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	41	41	40	-	-	AM1		
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	41	41	40	-	-	-		
18-26 KADIERA CLOSE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	41	41	40	-	-	AM1		
54-56 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	41	41	40	-	-	AM1		
6 MONTELMAR PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	41	41	40	-	-	-		
22 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	41	41	40	-	-	-		
21-27 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	41	41	40	-	-	AM1		
42-44 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	41	41	40	-	-	AM1		
22 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	41	41	40	-	-	-		
30-32 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	41	41	40	-	-	AM1		
34-36 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	41	41	40	-	-	AM1		
58-60 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	41	41	40	-	-	AM1		
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	41	41	40	-	-	-		
13 DENTON PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	41	41	40	-	-	AM1		
42-44 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	41	41	40	-	-	AM1		
5 MONTELMAR PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	41	41	40	-	-	-		
62 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	41	41	40	-	-	-		
7 MONTELMAR PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	41	41	40	-	-	AM1		
22 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	41	41	40	-	-	-		
22 JAMES STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	41	41	40	-	-	-		
22 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	41	41	40	-	-	-		
51-59 JAMES STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	41	41	40	-	-	AM1		
71-79 JAMES STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	41	41	40	-	-	AM1		
147 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	40	40	40	-	-	-		
27-30 KADIERA CLOSE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	40	40	40	-	-	-		
30-32 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	40	40	40	-	-	-		
11 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	40	40	39	-	-	-		
5 MONTELMAR PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	40	40	39	-	-	-		
6 MONTELMAR PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	40	40	39	-	-	-		
66-68 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	40	40	39	-	-	-		
22 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	40	40	39	-	-	-		

Receiver		Noise management levels (NMLs), dB(A)				Sleep disturbance goals, dB(A)		Predicted noise levels, dB(A) Leq,15min					Predicted noise levels, dB(A) Lmax		Additional mitigation		
Address	Land use	NML Day	NML Day (OOH)	NML Evening	NML Night	Lmax (screening)	Lmax (limit)	Day		Day (OOH)	Evening	Night	Night	Day	Day (OOH)	Evening	Night
30 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	40	40	39	-	-	-	-
31-34 KADIERA CLOSE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	40	40	39	-	-	-	-
278 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-		-	40	40	39	-	-	-	-
71-79 JAMES STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	40	40	39	-	-	-	-
1-4 KADIERA CLOSE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	40	40	39	-	-	-	-
11 DENTON PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	40	40	39	-	-	-	-
6 MONTELMAR PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	40	40	39	-	-	-	-
76 PARK ROAD, WALLACIA, NSW	Under construction	999	999	999	999	None	None	-		-	40	40	39	-	-	-	-
22 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-		-	40	40	39	-	-	-	-
10 DENTON PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	40	40	39	-	-	-	-
13 DENTON PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	40	40	39	-	-	-	-
2 MONTELMAR PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	40	40	39	-	-	-	-
8 DENTON PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	40	40	39	-	-	-	-
8 DENTON PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	40	40	39	-	-	-	-
22 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-		-	40	40	39	-	-	-	-
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-		-	40	40	39	-	-	-	-
51-59 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-		-	40	40	39	-	-	-	-
18-20 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	40	40	39	-	-	-	-
5 MONTELMAR PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	40	40	39	-	-	-	-
68 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	40	40	39	-	-	-	-
7 DENTON PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	40	40	39	-	-	-	-
219 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	40	40	39	-	-	-	-
257-277 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-		-	40	40	39	-	-	-	-
1-4 KADIERA CLOSE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	40	40	39	-	-	-	-
5 MONTELMAR PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	40	40	39	-	-	-	-
5-10 KADIERA CLOSE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	40	40	39	-	-	-	-
62-64 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	40	40	39	-	-	-	-
8 MONTELMAR PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	40	40	39	-	-	-	-
278 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	40	40	39	-	-	-	-
11-16 KADIERA CLOSE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	40	40	39	-	-	-	-
15-19 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	40	40	39	-	-	-	-
149 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	40	40	39	-	-	-	-
219 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	40	40	39	-	-	-	-
22 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-		-	40	40	39	-	-	-	-
223 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-		-	40	40	39	-	-	-	-
4 MONTELMAR PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	40	40	39	-	-	-	-
223 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-		-	40	40	39	-	-	-	-
12-13 SALADILLO GROVE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	40	40	39	-	-	-	-
31-34 KADIERA CLOSE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	40	40	39	-	-	-	-

Receiver		Noise management levels (NMLs), dB(A)				Sleep disturbance goals, dB(A)		Predicted noise levels, dB(A) Leq,15min				Predicted noise levels, dB(A) Lmax		Additional mitigation		
Address	Land use	NML Day	NML Day (OOH)	NML Evening	NML Night	Lmax (screening)	Lmax (limit)	Day	Day (OOH)	Evening	Night	Night	Day	Day (OOH)	Evening	Night
18 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	40	40	38	-	-	-	-
29 DAVENPORT DRIVE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	40	40	38	-	-	-	-
37-43 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	40	40	38	-	-	-	-
9 MONTELMAR PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	40	40	38	-	-	-	-
223 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	39	39	38	-	-	-	-
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	39	39	38	-	-	-	-
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	39	39	38	-	-	-	-
257-277 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	39	39	38	-	-	-	-
2 ROMA AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	39	39	38	-	-	-	-
38-40 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	39	39	38	-	-	-	-
45-49 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	39	39	38	-	-	-	-
50-52 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	39	39	38	-	-	-	-
58-60 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	39	39	38	-	-	-	-
22 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	39	39	38	-	-	-	-
27-30 KADIERA CLOSE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	39	39	38	-	-	-	-
3 MONTELMAR PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	39	39	38	-	-	-	-
22 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	39	39	38	-	-	-	-
22 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	39	39	38	-	-	-	-
6 ROMA AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	39	39	38	-	-	-	-
68 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	39	39	38	-	-	-	-
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	39	39	38	-	-	-	-
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	39	39	38	-	-	-	-
1-4 KADIERA CLOSE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	39	39	38	-	-	-	-
279-299 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	39	39	38	-	-	-	-
1 PETER PAN AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	39	39	38	-	-	-	-
10 MONTELMAR PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	39	39	38	-	-	-	-
2 MONTELMAR PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	39	39	38	-	-	-	-
29 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	39	39	38	-	-	-	-
5 DENTON PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	39	39	38	-	-	-	-
59-61 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	39	39	38	-	-	-	-
169 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	39	39	38	-	-	-	-
22 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	39	39	38	-	-	-	-
21-27 DAVENPORT DRIVE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	39	39	38	-	-	-	-
22 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	39	39	38	-	-	-	-
22 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	39	39	38	-	-	-	-
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	39	39	38	-	-	-	-
279-299 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	39	39	38	-	-	-	-
12 ROMA AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	39	39	38	-	-	-	-
34 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	39	39	38	-	-	-	-

Receiver		Noise management levels (NMLs), dB(A)				Sleep disturbance goals, dB(A)		Predicted noise levels, dB(A) Leq,15min				Predicted noise levels, dB(A) Lmax		Additional mitigation		
Address	Land use	NML Day	NML Day (OOH)	NML Evening	NML Night	Lmax (screening)	Lmax (limit)	Day	Day (OOH)	Evening	Night	Night	Day	Day (OOH)	Evening	Night
7 GREEN STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	39	39	38	-	-	-	-
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	39	39	38	-	-	-	-
61-69 JAMES STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	39	39	38	-	-	-	-
7 MONTELMAR PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	39	39	38	-	-	-	-
221 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	38	38	38	-	-	-	-
2-4 GREEN STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	38	-	-	-	-
279-299 PARK ROAD, WALLACIA, NSW	Commercial	70	70	70	70	None	None	-	-	38	38	37	-	-	-	-
6 DENTON PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
2-4 GREEN STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
7 DENTON PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
22 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	38	38	37	-	-	-	-
10 ROMA AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
11-16 KADIERA CLOSE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
2 LARK PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
4 DENTON PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
6 DENTON PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
70-72 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
257-277 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	38	38	37	-	-	-	-
12-16 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
3 DENTON PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
42-44 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
70-72 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	38	38	37	-	-	-	-
71-79 JAMES STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	38	38	37	-	-	-	-
29 DAVENPORT DRIVE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	38	38	37	-	-	-	-
46-48 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
5-6 SALADILLO GROVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
15-19 DAVENPORT DRIVE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	38	38	37	-	-	-	-
26 DRIVER AVENUE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	38	38	37	-	-	-	-
37 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	38	38	37	-	-	-	-
26 DRIVER AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
3 LARK PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
11-16 KADIERA CLOSE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
13 PETER PAN AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
24 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
28 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
32 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
4 ROMA AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
70-72 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-

Receiver		Noise management levels (NMLs), dB(A)				Sleep disturbance goals, dB(A)		Predicted noise levels, dB(A) Leq,15min				Predicted noise levels, dB(A) Lmax		Additional mitigation		
Address	Land use	NML Day	NML Day (OOH)	NML Evening	NML Night	Lmax (screening)	Lmax (limit)	Day	Day (OOH)	Evening	Night	Night	Day	Day (OOH)	Evening	Night
9 ROMA AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	37	-	-	-	-
257-277 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	38	38	36	-	-	-	-
257-277 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	38	38	36	-	-	-	-
11 MONTELMAR PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	36	-	-	-	-
11 PETER PAN AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	36	-	-	-	-
1A PETER PAN AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	36	-	-	-	-
21-27 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	36	-	-	-	-
5 DENTON PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	38	38	36	-	-	-	-
257-277 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	37	37	36	-	-	-	-
5 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	37	37	36	-	-	-	-
51-53 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	37	37	36	-	-	-	-
6 MONTELMAR PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	37	37	36	-	-	-	-
74-76 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	37	37	36	-	-	-	-
16 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	37	37	36	-	-	-	-
36 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	37	37	36	-	-	-	-
54-56 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	37	37	36	-	-	-	-
290-298 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	37	37	36	-	-	-	-
61-69 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	37	37	36	-	-	-	-
20 DRIVER AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	37	37	36	-	-	-	-
28 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	37	37	36	-	-	-	-
46-48 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	37	37	36	-	-	-	-
279-299 PARK ROAD, WALLACIA, NSW	Horse Stable	60	60	60	60	None	None	-	-	37	37	36	-	-	-	-
279-299 PARK ROAD, WALLACIA, NSW	Horse Stable	60	60	60	60	None	None	-	-	37	37	36	-	-	-	-
10 DRIVER AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	37	37	36	-	-	-	-
10 GREEN STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	37	37	36	-	-	-	-
12 DRIVER AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	37	37	36	-	-	-	-
12-13 SALADILLO GROVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	37	37	36	-	-	-	-
18-20 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	37	37	36	-	-	-	-
221 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	37	37	36	-	-	-	-
11-16 KADIERA CLOSE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	37	37	36	-	-	-	-
29 DAVENPORT DRIVE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	37	37	36	-	-	-	-
8 DRIVER AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	37	37	36	-	-	-	-
10 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	37	37	36	-	-	-	-
10-11 SALADILLO GROVE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	37	37	36	-	-	-	-
8 ROMA AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	37	37	36	-	-	-	-
257-277 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	37	37	36	-	-	-	-
1 ROMA AVENUE, WALLACIA, NSW	Commercial	70	70	70	70	None	None	-	-	37	37	36	-	-	-	-
10-11 SALADILLO GROVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	37	37	36	-	-	-	-
11 GREEN STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	37	37	36	-	-	-	-

Receiver		Noise management levels (NMLs), dB(A)				Sleep disturbance goals, dB(A)		Predicted noise levels, dB(A) Leq,15min				Predicted noise levels, dB(A) Lmax		Additional mitigation			
Address	Land use	NML Day	NML Day (OOH)	NML Evening	NML Night	Lmax (screening)	Lmax (limit)	Day	Day (OOH)	Evening	Night	Night	Day (OOH)	Evening	Night		
4 DENTON PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	37	37	36	-	-	-		
5 PETER PAN AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	37	37	36	-	-	-		
12 DENTON PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	36	36	36	-	-	-		
36 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	36	-	-	-		
6 MONTELMAR PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	36	36	36	-	-	-		
7 MONTELMAR PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	36	-	-	-		
7 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	36	-	-	-		
8-10 DAVENPORT DRIVE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	36	36	36	-	-	-		
10A PETER PAN AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	35	-	-	-		
22 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	35	-	-	-		
55-57 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	35	-	-	-		
6 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	35	-	-	-		
3 GOLFVIEW DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	35	-	-	-		
33 DRIVER AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	35	-	-	-		
34-36 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	35	-	-	-		
223 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	36	36	35	-	-	-		
279-299 PARK ROAD, WALLACIA, NSW	Horse Stable	60	60	60	60	None	None	-	-	36	36	35	-	-	-		
279-299 PARK ROAD, WALLACIA, NSW	Horse Stable	60	60	60	60	None	None	-	-	36	36	35	-	-	-		
11 ROMA AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	35	-	-	-		
30 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	35	-	-	-		
58-62 GREENDALE ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	35	-	-	-		
8-10 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	35	-	-	-		
14 ROMA AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	35	-	-	-		
26 DRIVER AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	35	-	-	-		
149 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	36	36	35	-	-	-		
279-299 PARK ROAD, WALLACIA, NSW	Commercial	70	70	70	70	None	None	-	-	36	36	35	-	-	-		
29 DRIVER AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	35	-	-	-		
149 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	36	36	35	-	-	-		
257-277 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	36	36	35	-	-	-		
81 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	36	36	35	-	-	-		
16 ROMA AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	35	-	-	-		
26 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	35	-	-	-		
8 MONTELMAR PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	36	36	35	-	-	-		
8-9 SALADILLO GROVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	35	-	-	-		
219 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	36	36	35	-	-	-		
3 GREEN STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	35	-	-	-		
5 GOLFVIEW DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	35	-	-	-		
5 GREEN STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	35	-	-	-		
279-299 PARK ROAD, WALLACIA, NSW	Horse Stable	60	60	60	60	None	None	-	-	36	36	35	-	-	-		

Receiver		Noise management levels (NMLs), dB(A)				Sleep disturbance goals, dB(A)		Predicted noise levels, dB(A) Leq,15min					Predicted noise levels, dB(A) Lmax		Additional mitigation		
Address	Land use	NML Day	NML Day (OOH)	NML Evening	NML Night	Lmax (screening)	Lmax (limit)	Day	Day (OOH)	Evening	Night	Night	Day (OOH)	Evening	Night		
81, JAMES STREET, WALLACIA NSW 2745	Residential	55	50	45	40	55	65	-	-	36	36	35	-	-	-		
13 ROMA AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	35	-	-	-		
300-320 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	36	36	35	-	-	-		
2 LARK PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	36	36	35	-	-	-		
27 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	35	-	-	-		
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	36	36	34	-	-	-		
278 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	36	36	34	-	-	-		
279-299 PARK ROAD, WALLACIA, NSW	Horse Stable	60	60	60	60	None	None	-	-	36	36	34	-	-	-		
300-320 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	36	36	34	-	-	-		
300-320 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	36	36	34	-	-	-		
8 LARK PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	36	36	34	-	-	-		
279-299 PARK ROAD, WALLACIA, NSW	Horse Stable	60	60	60	60	None	None	-	-	35	35	34	-	-	-		
5-10 KADIERA CLOSE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	35	35	34	-	-	-		
62-64 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	35	35	34	-	-	-		
9 GREEN STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	35	35	34	-	-	-		
300-320 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	35	35	34	-	-	-		
300-320 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	35	35	34	-	-	-		
55-57 DAVENPORT DRIVE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	35	35	34	-	-	-		
279-299 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	35	35	34	-	-	-		
279-299 PARK ROAD, WALLACIA, NSW	Horse Stable	60	60	60	60	None	None	-	-	35	35	34	-	-	-		
300-320 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	35	35	34	-	-	-		
14 PETER PAN AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	35	35	34	-	-	-		
18-20 DAVENPORT DRIVE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	35	35	34	-	-	-		
6 LARK PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	35	35	34	-	-	-		
300-320 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	35	35	34	-	-	-		
1 ROMA AVENUE, WALLACIA, NSW	Commercial	70	70	70	70	None	None	-	-	35	35	34	-	-	-		
45-49 DAVENPORT DRIVE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	35	35	34	-	-	-		
7 MONTELMAR PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	35	35	34	-	-	-		
300-320 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	35	35	34	-	-	-		
71-79 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	35	35	34	-	-	-		
12A MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	35	35	34	-	-	-		
5 LARK PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	35	35	34	-	-	-		
300-320 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	35	35	34	-	-	-		
10A PETER PAN AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	35	35	34	-	-	-		
5-6 SALADILLO GROVE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	35	35	34	-	-	-		
300-320 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	35	35	34	-	-	-		
14 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	35	35	34	-	-	-		
22 JAMES STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	35	35	34	-	-	-		
279-299 PARK ROAD, WALLACIA, NSW	Horse Stable	60	60	60	60	None	None	-	-	35	35	34	-	-	-		

Receiver		Noise management levels (NMLs), dB(A)				Sleep disturbance goals, dB(A)		Predicted noise levels, dB(A) Leq,15min				Predicted noise levels, dB(A) Lmax		Additional mitigation		
Address	Land use	NML Day	NML Day (OOH)	NML Evening	NML Night	Lmax (screening)	Lmax (limit)	Day	Day (OOH)	Evening	Night	Night	Day	Day (OOH)	Evening	Night
11-13 DAVENPORT DRIVE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	35	35	34	-	-	-	-
12A MURROOBAH ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	35	35	34	-	-	-	-
32 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	35	35	34	-	-	-	-
221 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	35	35	34	-	-	-	-
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	35	35	34	-	-	-	-
279-299 PARK ROAD, WALLACIA, NSW	Horse Stable	60	60	60	60	None	None	-	-	35	35	34	-	-	-	-
12 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	35	35	34	-	-	-	-
22 MURROOBAH ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	35	35	34	-	-	-	-
37-43 DAVENPORT DRIVE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	35	35	34	-	-	-	-
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	34	34	34	-	-	-	-
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	34	34	34	-	-	-	-
257-277 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	34	34	34	-	-	-	-
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	34	34	33	-	-	-	-
300-320 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	34	34	33	-	-	-	-
1 DENTON PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	34	34	33	-	-	-	-
1 ROMA AVENUE, WALLACIA, NSW	Commercial	70	70	70	70	None	None	-	-	34	34	33	-	-	-	-
12 MURROOBAH ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	34	34	33	-	-	-	-
12-16 DAVENPORT DRIVE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	34	34	33	-	-	-	-
18 DRIVER AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	34	34	33	-	-	-	-
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	34	34	33	-	-	-	-
25 DRIVER AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	34	34	33	-	-	-	-
9 LARK PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	34	34	33	-	-	-	-
9 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	34	34	33	-	-	-	-
9 PETER PAN AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	34	34	33	-	-	-	-
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	34	34	33	-	-	-	-
66-68 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	34	34	33	-	-	-	-
8 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	34	34	33	-	-	-	-
12 GREEN STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	34	34	33	-	-	-	-
13 ROMA AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	34	34	33	-	-	-	-
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	34	34	33	-	-	-	-
10 GREEN STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	34	34	33	-	-	-	-
11-13 DAVENPORT DRIVE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	34	34	33	-	-	-	-
27 DRIVER AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	34	34	33	-	-	-	-
34 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	34	34	33	-	-	-	-
58-62 GREENDALE ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	34	34	33	-	-	-	-
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	34	34	33	-	-	-	-
279-299 PARK ROAD, WALLACIA, NSW	Horse Stable	60	60	60	60	None	None	-	-	34	34	33	-	-	-	-
2-6 DAVENPORT DRIVE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	34	34	33	-	-	-	-
22 DRIVER AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	34	34	33	-	-	-	-

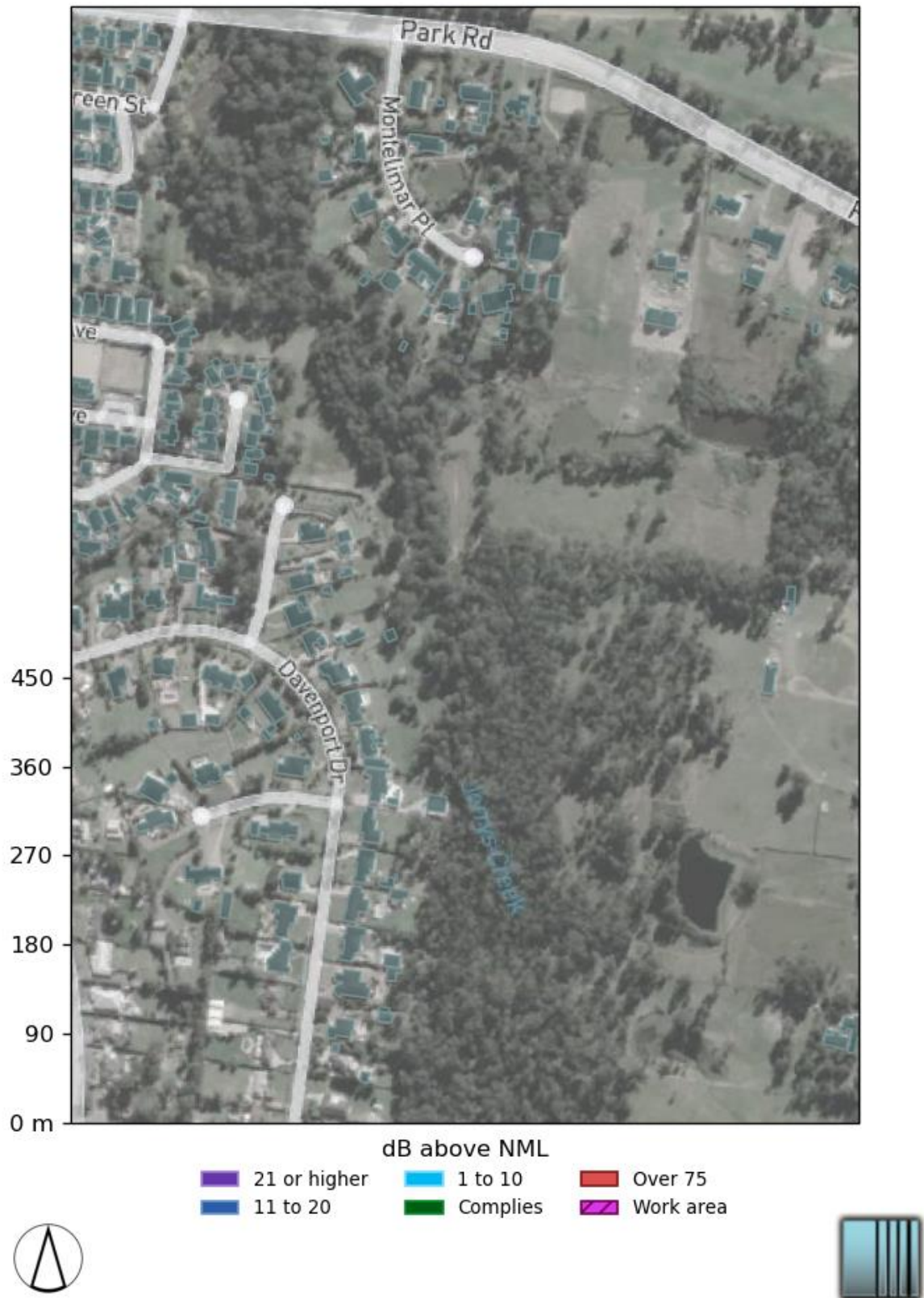
Receiver		Noise management levels (NMLs), dB(A)				Sleep disturbance goals, dB(A)		Predicted noise levels, dB(A) Leq,15min					Predicted noise levels, dB(A) Lmax		Additional mitigation		
Address	Land use	NML Day	NML Day (OOH)	NML Evening	NML Night	Lmax (screening)	Lmax (limit)	Day		Day (OOH)	Evening	Night	Night	Day	Day (OOH)	Evening	Night
290-298 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	34	34	33	-	-	-	-
22 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	34	34	33	-	-	-	-
6 GREEN STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	34	34	33	-	-	-	-
301 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-		-	34	34	33	-	-	-	-
16 MURROOBAH ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	34	34	33	-	-	-	-
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-		-	34	34	33	-	-	-	-
11 ROMA AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	34	34	33	-	-	-	-
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-		-	34	34	32	-	-	-	-
81 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-		-	34	34	32	-	-	-	-
8 MURROOBAH ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	34	34	32	-	-	-	-
8 MURROOBAH ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	34	34	32	-	-	-	-
11-13 DAVENPORT DRIVE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	33	33	32	-	-	-	-
20 DRIVER AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	33	33	32	-	-	-	-
278 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	33	33	32	-	-	-	-
10 MURROOBAH ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	33	33	32	-	-	-	-
14 GREEN STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	33	33	32	-	-	-	-
16 PETER PAN AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	33	33	32	-	-	-	-
20 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	33	33	32	-	-	-	-
20 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	33	33	32	-	-	-	-
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-		-	33	33	32	-	-	-	-
20 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	33	33	32	-	-	-	-
33 DRIVER AVENUE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	33	33	32	-	-	-	-
36 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	33	33	32	-	-	-	-
6 GREEN STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	33	33	32	-	-	-	-
7 MURROOBAH ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	33	33	32	-	-	-	-
223 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-		-	33	33	32	-	-	-	-
14C DRIVER AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	33	33	32	-	-	-	-
2-4 GREEN STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	33	33	32	-	-	-	-
74-76 DAVENPORT DRIVE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	33	33	32	-	-	-	-
235 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-		-	33	33	32	-	-	-	-
12 ROMA AVENUE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	33	33	32	-	-	-	-
3 GOLFVIEW DRIVE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	33	33	32	-	-	-	-
3 PETER PAN AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	33	33	32	-	-	-	-
24 DRIVER AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	33	33	32	-	-	-	-
31 DRIVER AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	33	33	32	-	-	-	-
8-10 DAVENPORT DRIVE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	33	33	32	-	-	-	-
1504-1508 MULGOA ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	33	33	32	-	-	-	-
26 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-		-	33	33	32	-	-	-	-
10 MONTELIMAR PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-		-	32	32	32	-	-	-	-

Receiver		Noise management levels (NMLs), dB(A)				Sleep disturbance goals, dB(A)		Predicted noise levels, dB(A) Leq,15min				Predicted noise levels, dB(A) Lmax		Additional mitigation		
Address	Land use	NML Day	NML Day (OOH)	NML Evening	NML Night	Lmax (screening)	Lmax (limit)	Day	Day (OOH)	Evening	Night	Night	Day	Day (OOH)	Evening	Night
31-35 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	32	32	32	-	-	-	-
300-320 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	32	32	31	-	-	-	-
28 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	32	32	31	-	-	-	-
219 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	32	32	31	-	-	-	-
7 MURROOBAH ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	32	32	31	-	-	-	-
7 PETER PAN AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	32	32	31	-	-	-	-
279-299 PARK ROAD, WALLACIA, NSW	Horse Stable	60	60	60	60	None	None	-	-	32	32	31	-	-	-	-
15 PETER PAN AVENUE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	32	32	31	-	-	-	-
7 LARK PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	32	32	31	-	-	-	-
257-277 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	32	32	31	-	-	-	-
300-320 PARK ROAD, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	32	32	31	-	-	-	-
17 PETER PAN AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	32	32	31	-	-	-	-
26 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	32	32	31	-	-	-	-
5-10 KADIERA CLOSE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	32	32	31	-	-	-	-
9 LARK PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	32	32	31	-	-	-	-
11 GREEN STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	32	32	31	-	-	-	-
24 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	32	32	31	-	-	-	-
5 LARK PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	32	32	31	-	-	-	-
14 GREEN STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	32	32	31	-	-	-	-
14 ROMA AVENUE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	32	32	31	-	-	-	-
279-299 PARK ROAD, WALLACIA, NSW	Horse Stable	60	60	60	60	None	None	-	-	32	32	31	-	-	-	-
301 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	32	32	31	-	-	-	-
13 PETER PAN AVENUE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	32	32	31	-	-	-	-
12 GREEN STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	32	32	31	-	-	-	-
13 GREEN STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	32	32	31	-	-	-	-
19 PETER PAN AVENUE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	32	32	31	-	-	-	-
25 DRIVER AVENUE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	32	32	31	-	-	-	-
8 GREEN STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	32	32	31	-	-	-	-
81 JAMES STREET, WALLACIA, NSW	Industrial	75	75	75	75	None	None	-	-	32	32	31	-	-	-	-
22 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	32	32	31	-	-	-	-
3 GREEN STREET, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	32	32	30	-	-	-	-
4 LARK PLACE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	31	31	30	-	-	-	-
23 DRIVER AVENUE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	31	31	30	-	-	-	-
24 DRIVER AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	31	31	30	-	-	-	-
4 LARK PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	31	31	30	-	-	-	-
279-299 PARK ROAD, WALLACIA, NSW	Horse Stable	60	60	60	60	None	None	-	-	31	31	30	-	-	-	-
24 PARK ROAD, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	31	31	30	-	-	-	-
12 PETER PAN AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	31	31	30	-	-	-	-
1 DENTON PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	31	31	30	-	-	-	-

											Predicted noise levels, dB(A) Lmax		Additional mitigation			
Receiver		Noise management levels (NMLs), dB(A)				Sleep disturbance goals, dB(A)		Predicted noise levels, dB(A) Leq,15min								
Address	Land use	NML Day	NML Day (OOH)	NML Evening	NML Night	Lmax (screening)	Lmax (limit)	Day	Day (OOH)	Evening	Night	Night	Day	Day (OOH)	Evening	Night
6 GREEN STREET, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	31	31	30	-	-	-	-
301 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	30	30	29	-	-	-	-
15 PETER PAN AVENUE, WALLACIA, NSW	Residential	55	50	45	40	55	65	-	-	30	30	29	-	-	-	-
7 MONTELMAR PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	30	30	29	-	-	-	-
32 PARK ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	28	28	27	-	-	-	-
20 MURROOBAH ROAD, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	26	26	25	-	-	-	-
8 MONTELMAR PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	25	25	24	-	-	-	-
3 LARK PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	25	25	24	-	-	-	-
8 MONTELMAR PLACE, WALLACIA, NSW	Non-receiver	999	999	999	999	None	None	-	-	23	23	22	-	-	-	-

APPENDIX C Noise level above nominated target

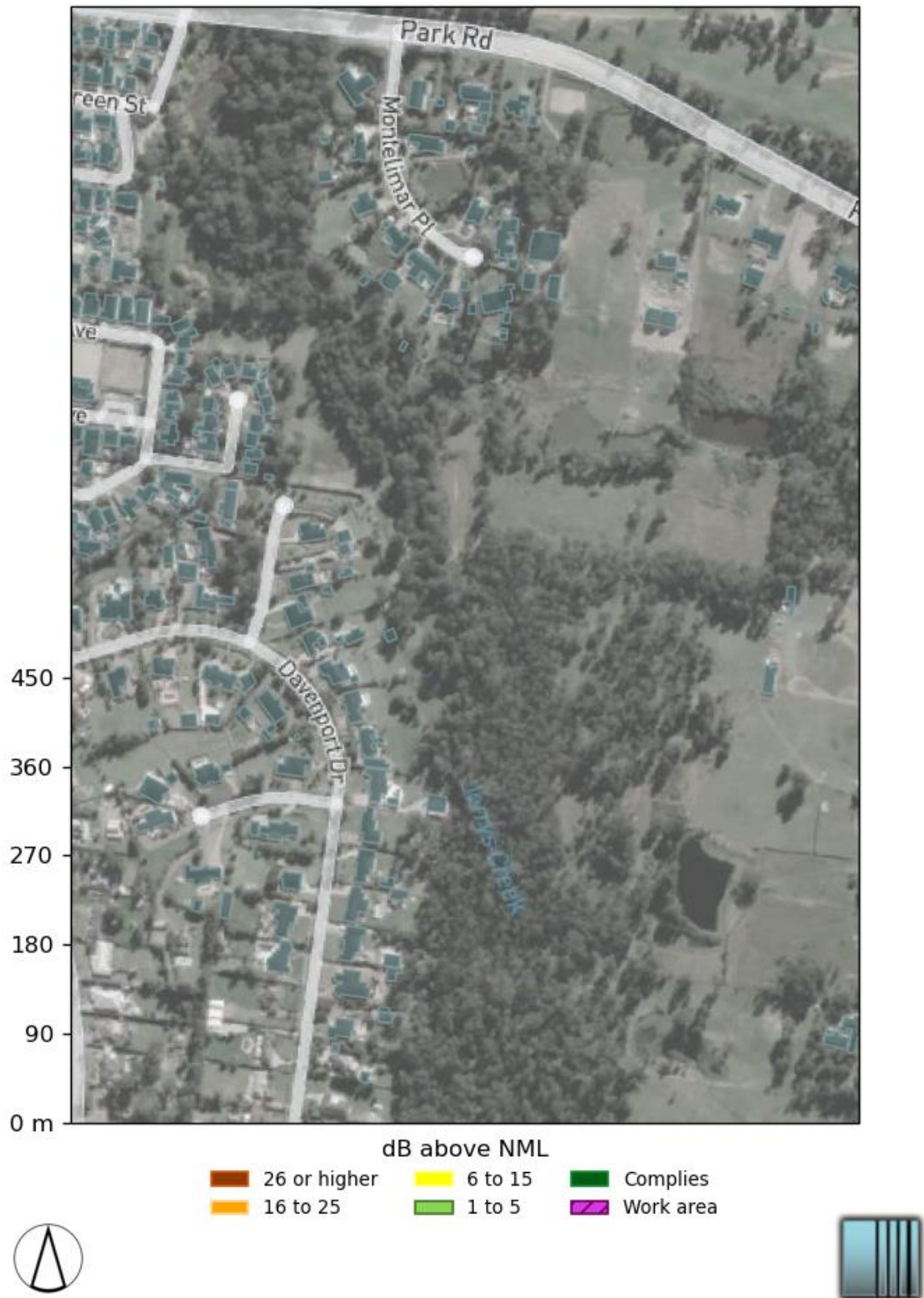
Noise level above NML Day (area 1 of 2)



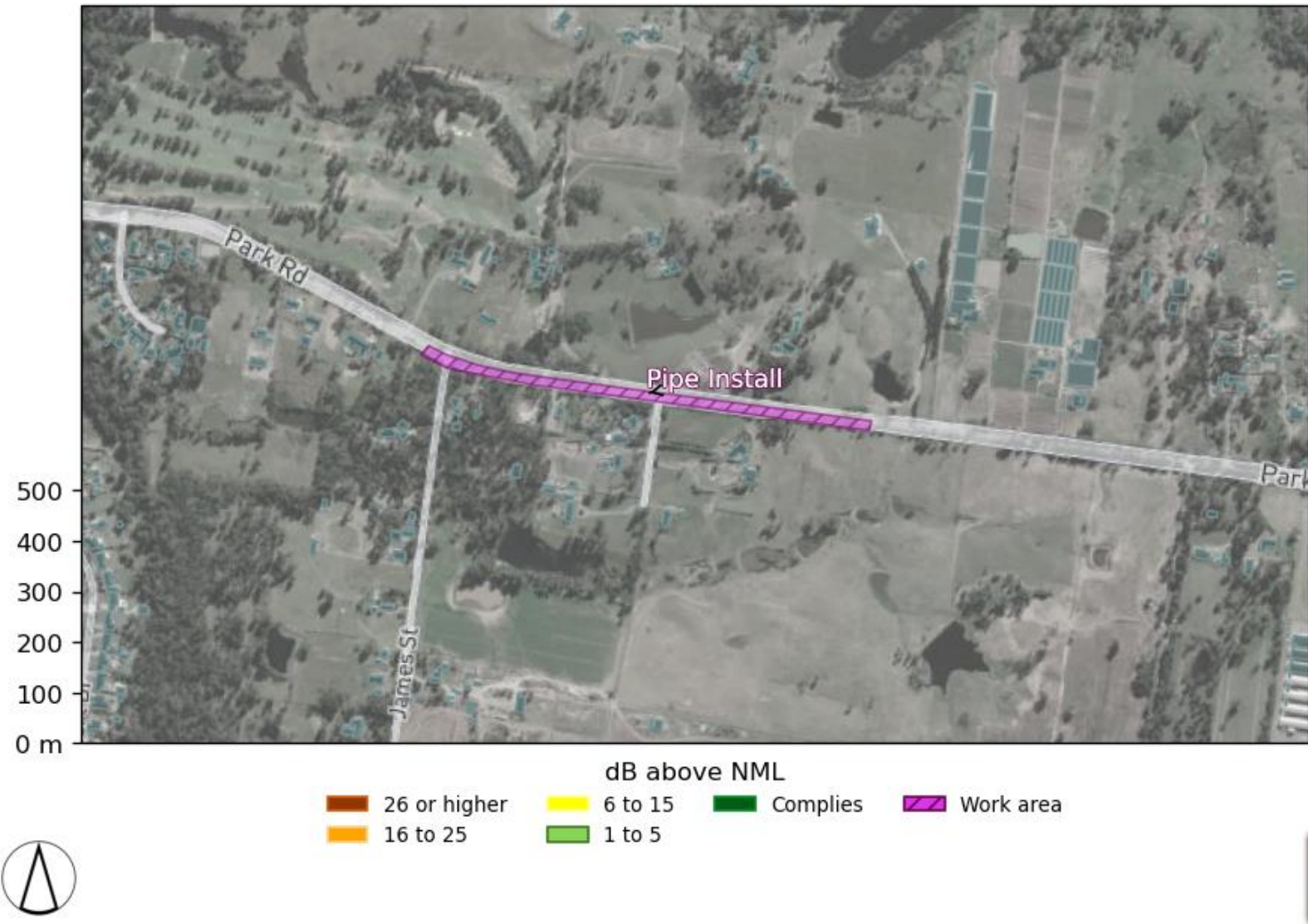
Noise level above NML Day (area 2 of 2)



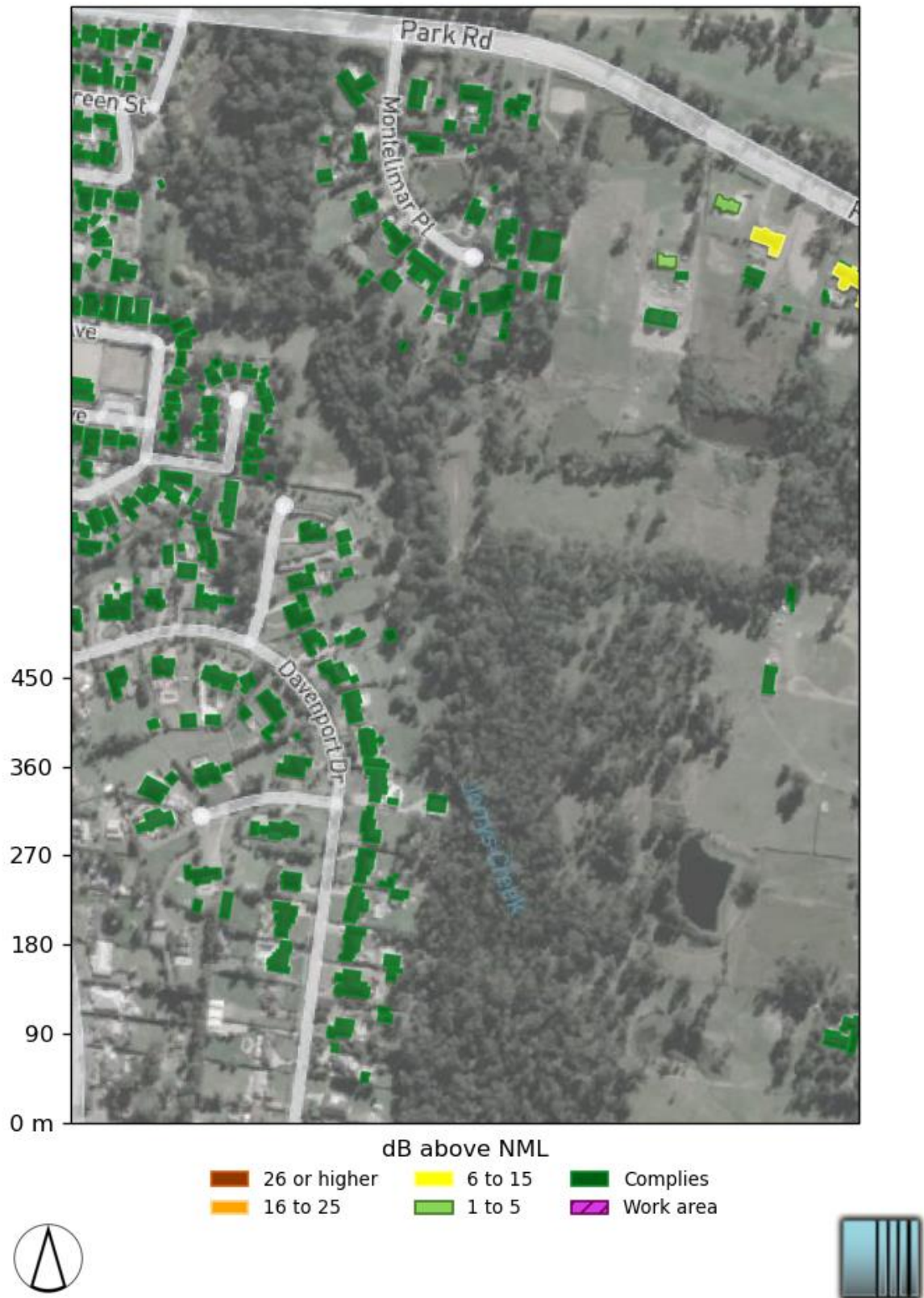
Noise level above NML Day (OOH) (area 1 of 2)



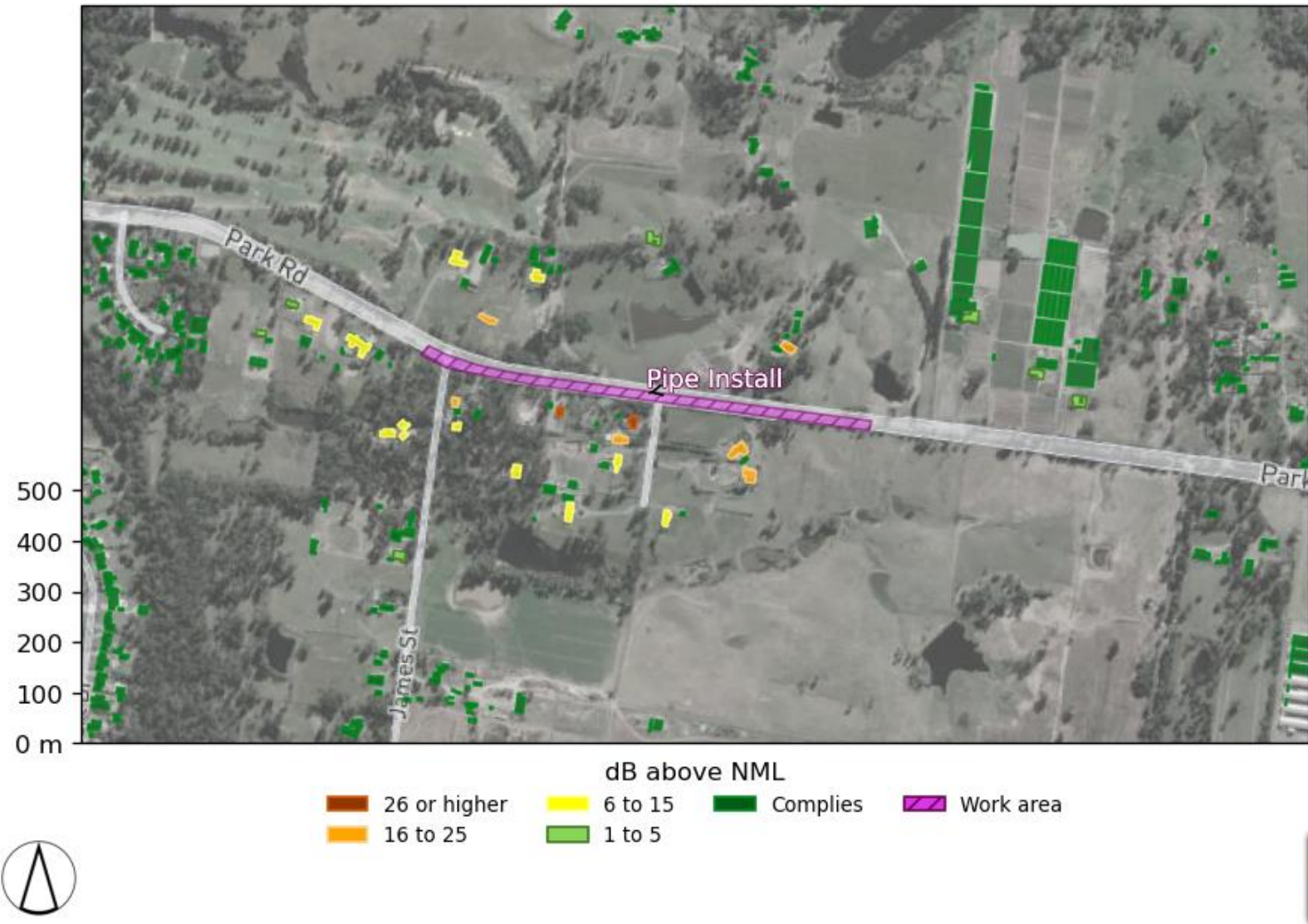
Noise level above NML Day (OOH) (area 2 of 2)



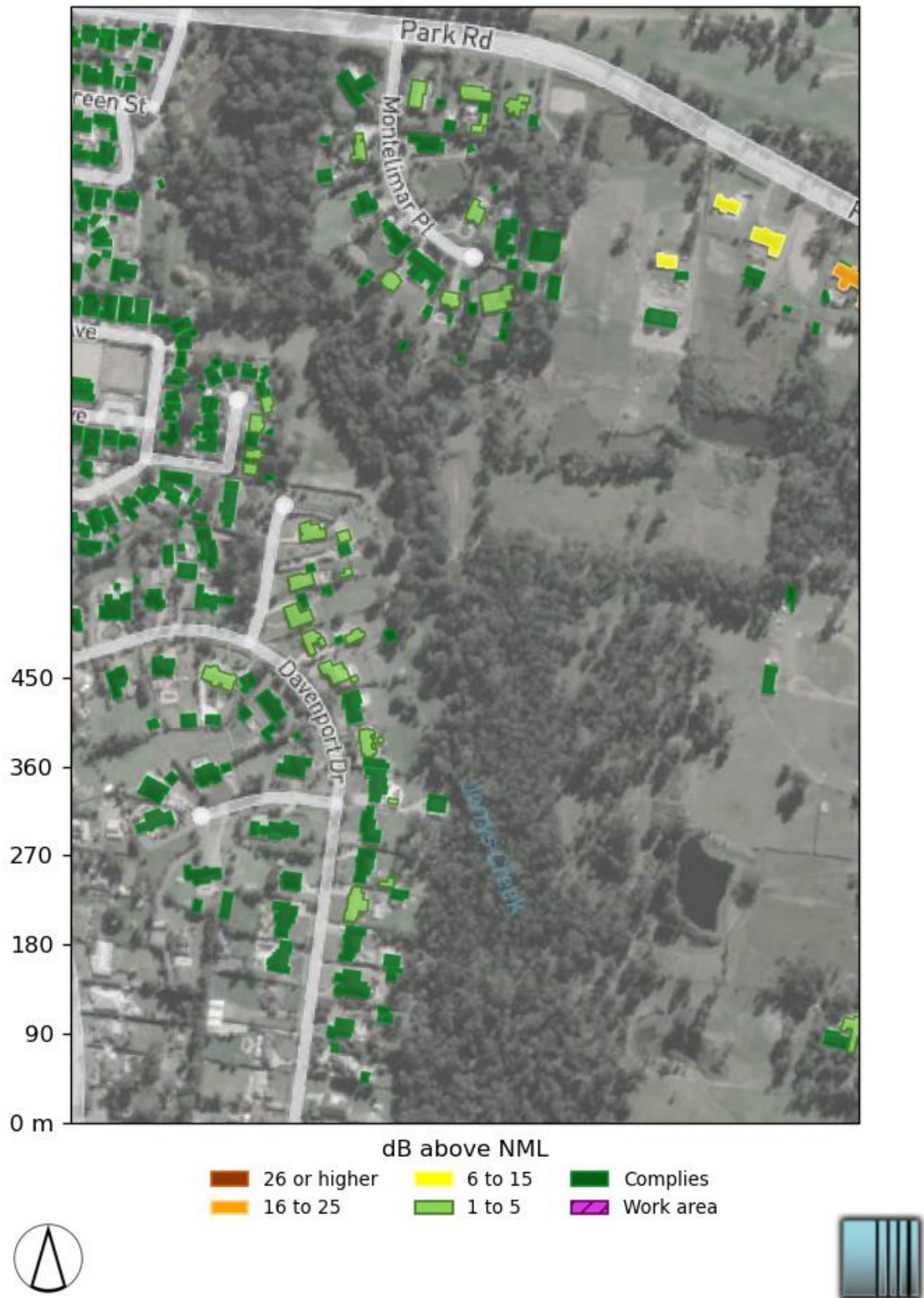
Noise level above NML Evening (area 1 of 2)



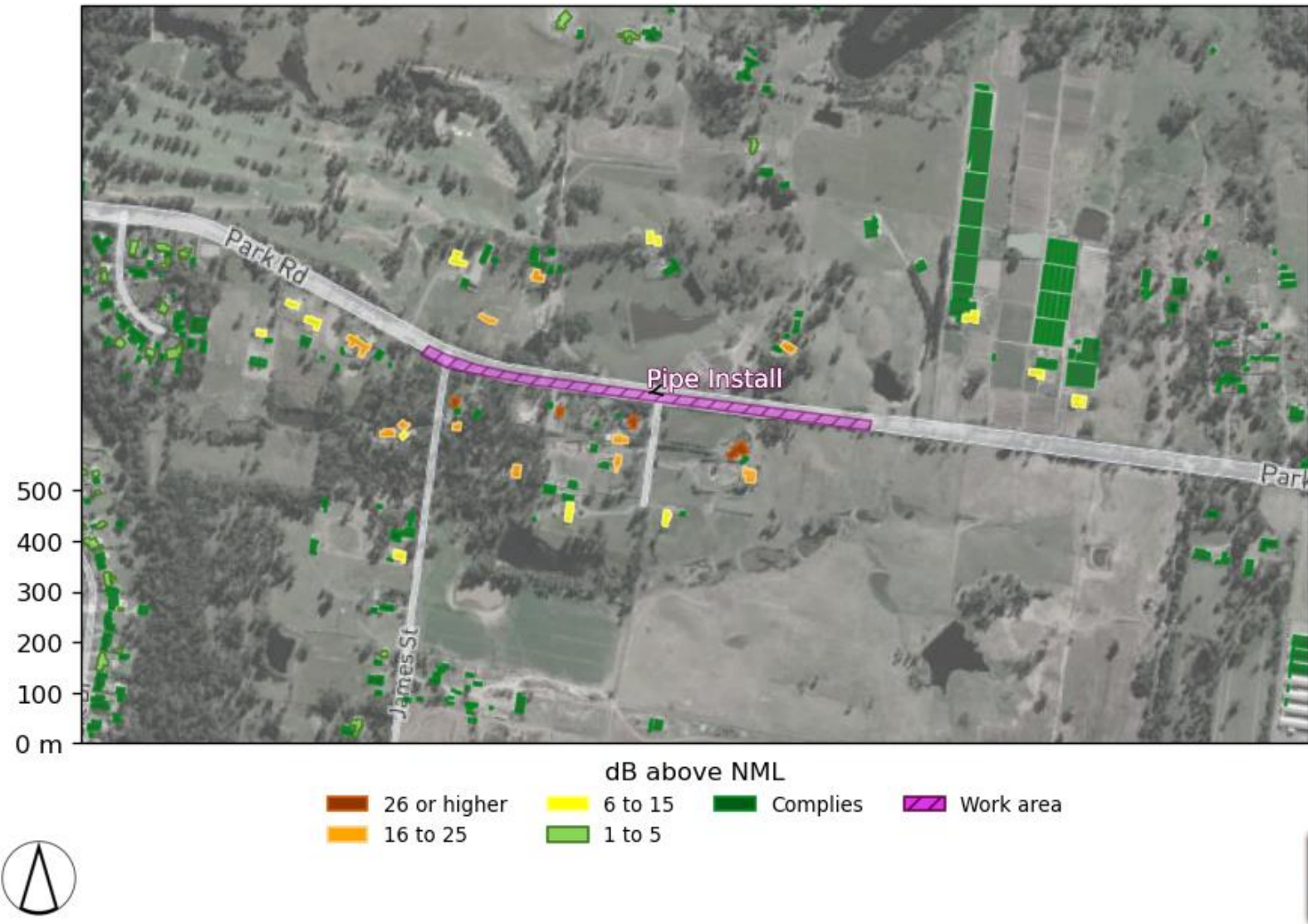
Noise level above NML Evening (area 2 of 2)



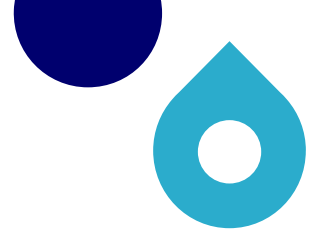
Noise level above NML Night (area 1 of 2)



Noise level above NML Night (area 2 of 2)



Appendix 3 – Community Consultation



1 February 2024

Upper South Creek Advanced Water Recycling Centre – Park Road condensed night work program, community agreement script

In April we will start a program of night work along Park Road to reduce impacts on daytime traffic. Completing the works at night also allows us to close more lanes to traffic. This is safer for workers and motorists and reduces disruption during a shift, meaning we can get the work done faster.

Park Road pipe installation by trenching

We are seeking the community's support to complete our night work in some locations on Park Road up to five nights a week.

Our proposal is to close both sides of Park Road between James Street and east of William Street, five nights a week between 8pm and 5am. This would be for 40 shifts over two months, Monday to Friday. This is dependent on site conditions and weather.

This would improve the overall efficiency of our program of works throughout Wallacia, as it allows us to run a full week of night shift, while a second crew can continue working day shift.

Access would be maintained for residents who live within the work zone, though delays may be experienced.

The work front would move, meaning individual homes would not be affected by noise for the full two months. Also, where possible the noisiest activities, such as saw cutting and rock breaking, would be completed during dayshifts within a single lane closure.

Night work would include:

- Setting up the road closure from 8pm
- Excavating trenches for pipe installation
- Laying and welding pipe
- Covering sections of pipeline in concrete
- Backfilling and reinstating affected areas
- Re-opening the road in time for morning traffic.

The equipment would include temporary lighting, light vehicles, heavy vehicles, compaction rollers, generators and excavators.

Map of work area:



Noise levels:

Residents from James Street heading east:

This work is expected to be noisy while it is immediately in front of your property. We expect the noise to be similar to an excavator 15 metres away from you.

The work is of a rolling nature, so we don't expect to remain directly in front of your property for more than 2 nights in a row. After two nights of this noise impact, you can expect to hear noise similar to a loud TV or radio, with noise levels continuing to drop as we move further away.

Some night work is also planned for the intersection of Park Road and Driver Avenue, as well for the intersection of Park Road and Willmington Road. We do not expect this work to be noisy for you and will be carrying out the works under our usual arrangement of three nights per week, with only two consecutive nights per week and no more than 10 nights per month.

Residents from James Street heading west:

The work carried out on Park Road is expected to be almost silent for the duration of the 40 shifts. Due to work being of rolling nature, as we get closer to James Street, for a short period of time you may hear noise similar to what you would hear during the daytime from Park Road.

Some night work is also planned for the intersection of Park Road and Driver Avenue, as well for the intersection of Park Road and Willmington Road. This would be completed under our usual arrangement of three nights per week, with only two consecutive nights per week and no more than 10 nights per month. This work will be noisy and we will ensure that you are not affected by noise from further down Park Rd during the same weeks.

Consent:

Do you support this proposed condensed work program?

Are you ok for me to provide your name and your response to the EPA?

Sydney Water Corporation ABN 49 776 225 038

1 Smith Street, Parramatta, NSW 2150 | PO Box 399, Parramatta, NSW 2124

Telephone 13 20 92 Media (24/7) 8849 5151 sydneywater.com.au



After a 28-day period of carrying out this work, we would contact you again to confirm you still support this program. This contact will remain ongoing for every 28-day period as this work is carried out.

Consultation record

[Park Road Community Agreement.xlsx](#)

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Park Road Community Agreement - 5 nights/week							
Address	Name	Attempt 1	Comments	Attempt 2	Comments	Attempt 3	Comments
1 WILLIAM STREET, WALLACIA, NSW	David	12/02/2024	Consented to EPA, conversation over the gate camera, he wasn't home but happy with 5 nights works.				
2-10 WILLIAM STREET, WALLACIA, NSW	Steven Henson	12/02/2024	Consented to EPA and 5 nights of week work.				
9 WILLIAM STREET, WALLACIA, NSW	No one home	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Not home, left <i>sorry we missed you</i> card.	19/02/2024	Not home, left <i>sorry we missed you</i> card.
22-34 WILLIAM STREET, WALLACIA, NSW	Mary Rufalo	12/02/2024	Consented to EPA, fine with the works as long as local access is available, mentioned that grass and tree is overgrown outside her property, JHG redirected to Council.				
19-29 WILLIAM STREET, WALLACIA, NSW	Jenny McBride	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Consented to EPA and 5 nights of week work.		
2 JAMES STREET, WALLACIA, NSW	No one home/no answer	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Not home, left <i>sorry we missed you</i> card.	19/02/2024	People at home but didn't open the door to the JHG community team.
12 JAMES STREET, WALLACIA, NSW	No one home	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Not home, left <i>sorry we missed you</i> card.	19/02/2024	Not home, left <i>sorry we missed you</i> card.
11-19 JAMES STREET, WALLACIA, NSW	Chelsea Jones	12/02/2024	Consented to 5 nights a week work and her details being provided to the EPA.				
20 JAMES STREET, WALLACIA, NSW	Kim	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Consented to EPA and 5 nights of week work.		
22-80 JAMES STREET, WALLACIA, NSW	Dominic	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Consented to EPA and 5 nights of week work. Requested door knock for 28 day follow-up.		
21 JAMES STREET, WALLACIA, NSW	Daniel Hill	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Not home, left <i>sorry we missed you</i> card.	19/02/2024	Phone call on 20/02/2024 - JHG community team spoke to Daniel. He enquired about timing of the works, local access for trucks, semi trailers and horse trucks. He also mentioned that they can come and go at anytime dependent on people's need of horses.
35-39 JAMES STREET, WALLACIA, NSW	Linda Matthews	12/02/2024	Consented to EPA and 5 nights of week work.				
41 JAMES STREET, WALLACIA, NSW	Ellie	12/02/2024	Consented to EPA and 5 nights of week work, asked about local access as she works night shifts, she is a nurse. Bob's house - he is the owner of a few properties including this one.				
51-59 JAMES STREET, WALLACIA, NSW	Patricia Munton	12/02/2024	Consented to EPA and 5 nights of week work. Bob's house - he is the owner of a few properties including this one.				
61 JAMES STREET, WALLACIA, NSW	Sibohan Junod	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Not home, left <i>sorry we missed you</i> card.	19/02/2024	Consented to EPA and 5 nights of week work.
71-79 JAMES STREET, WALLACIA, NSW	Michael Gibson	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Consented to EPA and 5 nights of week work		
81 JAMES STREET, WALLACIA, NSW	No one home	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Not home, left <i>sorry we missed you</i> card.	19/02/2024	Not home, left <i>sorry we missed you</i> card.
102 PARK ROAD, WALLACIA	Francesca Fenech	12/02/2024	Consented to EPA and 5 nights of week work, tenant at the property.				
148 PARK ROAD, WALLACIA, NSW	Sheirady Micallef	12/02/2024	Consented to EPA and night work and mentioned owner lives at the back. She is a tenant.				
127 PARK ROAD, WALLACIA, NSW	No one home	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Not home, left <i>sorry we missed you</i> card.	19/02/2024	Not home, left <i>sorry we missed you</i> card.
169 PARK ROAD, WALLACIA, NSW	Jeff Camenzuli	12/02/2024	Consented to EPA and 5 nights of week work, tenant at the property.				
137 PARK ROAD, WALLACIA, NSW	Melissa Pulo Mr. Pulo	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Not home, left <i>sorry we missed you</i> card.	19/02/2024	Phone call 20/02/2024 -JHG community team member spoke to Melissa. She mentioned that they have a horizontal drilling business and they also have night work around the time of the night work. They need access to the property. She will brief her husband and send an email to USC email with their response. She consented to providing her response to EPA. Phone call - 21/02/2024 - Mr. Pulo called JHG community team
115 PARK ROAD, WALLACIA, NSW	Lilian	12/02/2024	Lilian asked the project team to send an email to her husband outlining the proposed program.	13/02/2024	Project team sent an email outlining the proposed condensed work program and the expected work impacts.	20/02/2024	Sent follow-up email requesting feedback about proposal.
151 PARK ROAD, WALLACIA, NSW	Inge	12/02/2024	Consented to EPA and 5 nights of week work				

223 and 223B PARK ROAD, WALLACIA, NSW	K Nung	12/02/2024	Consented to EPA and 5 nights of week work, requires heavy vehicle access at all hours for agriculture business - Grima produce.				
235 PARK ROAD, WALLACIA, NSW	Bona Kim	12/02/2024	Didn't consent to night works, concerned about babies sleep routine, concerned about the noise impact on his family, not bothered by the road closure, mentioned that machinery coming in earlier than 7am.				
82 PARK ROAD, WALLACIA, NSW	No one home	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Not home, left <i>sorry we missed you</i> card.	19/02/2024	Not home, left <i>sorry we missed you</i> card.
90A PARK ROAD, WALLACIA, NSW	Travis McKenzie	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Consented to EPA and 5 nights a week work.		
90 PARK ROAD, WALLACIA, NSW	Diane Buttigieg	12/02/2024	Consented to EPA and 5 nights of week work.	14/02/2024	Spoke to Anthony Buttigieg and Travis McKenzie Together. Anthony had been told about the works by his wife Diane, and asked if the trees in front of their property could be removed (0419 993 671).		
72 PARK ROAD, WALLACIA, NSW	Ned and Rhonda	12/02/2024	Not home, left <i>sorry we missed you</i> card.	15/02/2024	Phone call -JHG community advisor contacted Ned and Rhonda and spoke to both of them. She explained the upcoming works and requested for feedback on 5 nights a week work agreement. Rhonda mentioned she doesn't get home till 8:30pm, asked if there is local access. She mentioned that flashing lights and reversing vehicle sound are an issue, the light shines directly into their bedroom. Consented to the night works and EPA.		
149 PARK ROAD, WALLACIA, NSW	Kerrie	12/02/2024	Kerrie asked the project team to send an email to her husband outlining the proposed program.	13/02/2024	Project team sent an email outlining the proposed condensed work program and the expected work impacts.		Sent follow-up email requesting feedback about proposal.
217 PARK ROAD, WALLACIA, NSW	Victoria Xerri	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Consented to EPA and 5 nights a week work.		
68 PARK ROAD, WALLACIA, NSW	Nicole	12/02/2024	Not home, left <i>sorry we missed you</i> card.	15/02/2024	Phone call - JHG community advisor contacted Nicole and explained the upcoming works and requested for feedback on 5 nights a week work agreement. Nicole mentioned the work doesn't affect them and consented to the night works and EPA.		
147 PARK ROAD, WALLACIA, NSW	Couldn't locate the house or a letter box	12/02/2024	Couldn't locate the house or a letter box.	14/02/2024	Left a slip at 149 Park Road	19/02/2024	Left a slip at 149 Park Road
64 PARK ROAD, WALLACIA, NSW	Carmen Genevieve	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Not home, left <i>sorry we missed you</i> card.	19/02/2024	Phone call on 20/02/2024- JHG community team spoke to Carmen. Carmen mentioned she has been getting the slips recently, had questions around local access, enquired about the timing of night works, project finish date, vegetation restoration and consented to night works and EPA. JHG team member tried to contact again to clarify the address but no answer.
11 MONTELIMAR PLACE, WALLACIA, NSW	Richard Witton	12/02/2024	Consented to EPA and 5 nights a week work.				
2 MONTELIMAR PLACE, WALLAICA, NSW	Ken Samuels	12/02/2024	Consented to EPA and 5 nights a week work and had questions about the progress of the works so far.				
4 MONTELIMAR PLACE, WALLACIA, NSW	Catherine Garton	12/02/2024	Consented to EPA and 5 nights a week work.				
5 MONTELIMAR PLACE, WALLACIA, NSW	Diane Challenor	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Left a slip with a resident at the property, she mentioned her uncle owns the house and her parents and uncle isn't home currently.	19/02/2024	Phone call- JHG community team spoke to Diane on the phone as she had called to follow up about the SWMY. She mentioned that her son leaves for work around 2:30am-3:00am and son-in-law leaves around 4:30am. She shared concerns about local access but had no issues with the work. She consented to the night works and EPA.
3 MONTELIMAR PLACE, WALLACIA, NSW	Fiona Sween	12/02/2024	Consented to EPA and night works, mentioned gravel on the road.				

6 MONTELIMAR PLACE, WALLACIA, NSW	Scott Gordon	12/02/2024	Consented to EPA and night works. Spoke to his wife, who mentioned that Scott knows people on James Street and can pass on the message to them also. Shared concerns about driver behaviours on the road (unrelated to the project) and requested for consistent signage around road works.				
8 MONTELIMAR PLACE, WALLACIA, NSW	Rod Davies	12/02/2024	Consented to EPA and nightworks.				
9 MONTELIMAR PLACE, WALLACIA, NSW	Micka Chahada	12/02/2024	Consented to EPA and nightworks, shared concerns about the previous works, the bus coming to the area didn't know where to go.				
10 MONTELIMAR PLACE, WALLACIA, NSW	Jane McLuckie	12/02/2024	Consented to night work, complimented the team on the HDD works at Jerrys Creek, mentioned the traffic control was great. Trucks at the property leave by 5:30am so no issues with the night work. She wanted to know about the bio-diversity offset, had questions about the trees being removed from Wallacia and what is being done to offset the removal - if the trees are being kept in Wallacia, impact on birdlife.				
7 MONTELIMAR PLACE, WALLACIA, NSW	Narelle Horne	12/02/2024	Mentioned she can hear the lion noise from the wildlife park and the construction works. General feedback about project around previous barricade around Park Road and affecting visibility. Consented to EPA and 5 nights a week of work.				
5 KADIERA CLOSE, WALLACIA, NSW	Melissa	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Consented to EPA and 5 nights of week work		
27-30 KADIERA CLOSE, WALLACIA, NSW	No one home	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Not home, left <i>sorry we missed you</i> card.	19/02/2024	Not home, left <i>sorry we missed you</i> card.
28 KADIERA CLOSE, WALLACIA, NSW	David Roy	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Consented to EPA and 5 nights a week of work.		
11 KADIERA CLOSE, WALLACIA, NSW	Steve	12/02/2024	Consented to EPA and 5 nights a week of work. Not comfortable to provide phone number for 28-day follow-up.				
18-26 KADIERA CLOSE, WALLACIA, NSW	Pauline	12/02/2024	Consented to EPA and 5 nights a week of work. Requested door knock for 28-day follow-up.				
30-32 DAVENPORT DRIVE, WALLACIA, NSW	Jim Murray	12/02/2024	Not supportive of the project and any other development impacting the Wallacia village.				
34-36 DAVENPORT DRIVE, WALLACIA, NSW	Lisa Polistena	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Consented to EPA and 5 nights a week of work.		
46-48 DAVENPORT DRIVE, WALLACIA, NSW	Nicole	12/02/2024	Consented to EPA and 5 nights a week of work.				
54-56 DAVENPORT DRIVE, WALLACIA, NSW	No one home	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Not home, left <i>sorry we missed you</i> card.	19/02/2024	Not home, left <i>sorry we missed you</i> card.
21-27 DAVENPORT DRIVE, WALLACIA, NSW	No one home	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Not home, left <i>sorry we missed you</i> card.	19/02/2024	Not home, left <i>sorry we missed you</i> card.
42-44 DAVENPORT DRIVE, WALLACIA, NSW	Cheryl	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Unable to talk and asked the team to call to discuss.	19/02/2024	Phone call - JHG community team called Cheryl who mentioned she only has time for a brief chat, She had queries about local access and mentioned if the local access if maintained then the works shouldn't impact them. She consented to night works and EPA.
58-60 DAVENPORT DRIVE, WALLACIA, NSW	Michael Cortis	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Consented to EPA and 5 nights a week of work.		
5-9 DAVENPORT DRIVE, WALLACIA, NSW	No one home	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Not home, left <i>sorry we missed you</i> card.	19/02/2024	Not home, left <i>sorry we missed you</i> card.
10 DENTON PLACE, WALLACIA, NSW	Lina	12/02/2024	Consented to EPA and 5 nights a week of work. Requested door knock for 28-day follow-up.				
9 DENTON PLACE, WALLACIA, NSW	Stephen Odd	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Not home, left <i>sorry we missed you</i> card.	19/02/2024	Phone call on 27/02/2024 - Stephen called the JHG community team and let them know that he is fine with the works. Agreed to the works. Spoke to a gentleman at the door steps who was home but unable to chat so JHG team left a SWMY slip.

12 DENTON PLACE, WALLACIA, NSW	No one home	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Not home, left <i>sorry we missed you</i> card.	19/02/2024	Not home, left <i>sorry we missed you</i> card.
13 DENTON PLACE, WALLACIA, NSW	No one home	12/02/2024	Not home, left <i>sorry we missed you</i> card.	14/02/2024	Not home, left <i>sorry we missed you</i> card.	19/02/2024	Not home, left <i>sorry we missed you</i> card.