



19 March 2021

Jake Shackleton  
A/Director, Infrastructure Management  
4 Parramatta Square  
12 Darcy Street  
Parramatta NSW 2124

Dear Jake

**Re: CSSI 8285 – Parramatta Light Rail Stage 1, Condition E37 Variation**

I refer to condition of approval E37 provided for the Parramatta Light Rail Project (Stage 1 also known as CSSI 8285). This condition calls for the Proponent to:

*Condition E37: Where works are undertaken outside hours specific in Condition E21 and E22 and construction noise levels exceed 65 dB(A) LAeq (15 mins) at the façade of the building of a residential receiver, the Proponent must only work 4 nights in any 7 day period. The 4 nights worked must be informed by community consultation referenced in Condition E39.*

*Outcomes of the community consultation, the identified works and respite periods and the scheduling of the likely out-of-hour works must be provided to the AA, ER and the Secretary for information.*

*Relocation of work following 4 nights of works in any 7 day period must be sufficiently removed so as to provide clear respite of 3 days. Works in areas of respite must be subject to noise levels of no more than 5 dB(A) above the rating background level at any residence in accordance with the Interim Construction Noise Guideline (DECC, 2009).*

*The requirements of this condition may be varied with the approval of the Secretary following the Secretary's review of community consultation outcomes, construction noise and vibration impacts and the implementation of noise management and mitigation measures.*

Parramatta Connect are proposing to vary the requirements of condition of approval E37 to reduce the duration of construction works at the intersection of Church Street and Phillip Street, Parramatta. The purpose of this correspondence is to describe the works, detail the justification for the works, and request approval of the Secretary to vary the requirements of condition of approval E37.

**Description of Works**

A key stage of Light Rail construction is the installation of the track slab and associated services within the road reserve. In the majority of the alignment, these works are mostly within closed sections of road and can therefore largely be carried out during standard hours. However, the works within the Church Street intersections require road closures and therefore a Road Occupancy Licence.

During school holiday periods, an extended Road Occupancy Licence is granted by the road authority due to the reduction in traffic volumes. It is proposed to leverage the extended Road Occupancy Licence to complete crucial track slab installation works at the intersection of Church Street and Phillip Street during the April 2021 school holidays (1 April to 19 April 2021).

Completing these works within the 'business as usual' scenario – utilising limited weekend Road Occupancy Licences – would require at least 26 weekends of night works. In comparison, by leveraging the extended Road Occupancy Licence, the duration of the works and associated impacts can be reduced to 2.5 weeks.



In accordance with the Environment Protection Licence (EPL 21347), a variation has been sought from the EPA to enable continuous works to be undertaken at the intersection of Church Street and Phillip Street between 1 April and 19 April 2021. In response, the EPA have provided a draft condition which will be accepted (**Annexure A** – refer to condition O5.5).

### **Construction Noise and Vibration Impacts and Mitigation Measures**

Parramatta Connect has an ongoing commitment to the implementation and use of best-practice noise management. Reflecting the requirements of the Construction Noise and Vibration Management Sub-plan, a Construction Noise and Vibration Impact Assessment (CNVIS) was prepared in April 2020 for all light rail infrastructure works in the CBD, including intersection works. The CNVIS was endorsed by the Acoustic Advisor at that time.

An additional site-specific Construction Noise and Vibration Report was prepared to assess the impacts of the intersection works and inform the community consultation approach (**Annexure B**). The Construction Noise and Vibration Report determined that a maximum of two residential properties are predicted to experience night-time noise levels of 16 to 25dBA above the Noise Management Level (NML). There are no residential or business receptors that are predicted to experience noise levels greater than 25dBA above the Noise Management Level (NML) during the day, evening or night.

Reflecting the outcomes of the Construction Noise and Vibration Report, the following additional noise management and mitigation measures are proposed where feasible:

- Program works which have highest impact to residential receivers to occur during day shift
- Should HNIW occur during night periods, limit the duration and consecutive nights.
- Program low noise works, such as curing of concrete and use of hand tools, during night periods
- Enclose the work area with noise blankets
- Additional noise blankets around any HNIW, such as hammering or concrete cutting, on a minimum of 3 sides. Temporary noise screens can provide 5 to 10 dB noise reduction, where they can break line of sight.
- Undertake consultation with businesses and residents regarding predicted impacts
- Any plant not in operation for extended periods of time shall be switched off. This will predominantly be applicable for delivery vehicles, traffic control vehicles and excavators
- Minimise the amount of reversing required and therefore sounds of the squawker
- Fixed plant to be located at locations where buildings will block direct line of sight to residential receivers and enclosed by noise blankets where safe to do so
- Direct noise-emitting plant away from sensitive receivers where practicable.
- When loading material into dump trucks, minimise the height material is dropped from.

The above noise management and mitigation measures have been reflected in the Out of Hours Works Permit which has been endorsed by the Acoustic Advisor and Environmental Representative (**Annexure C**).

It should be noted that the noise model is inherently conservative; the area assessed by the model is larger than the actual works and mitigation measures such as noise blankets (which can reduce impacts by 5 to 10dBA) are not considered. Further, high noise impact works will primarily be associated with the initial removal of the road pavement, taking approximately 3 to 4 shifts (2 nights). The remainder of the works will be lower noise levels associated with excavation works, operation of hand tools and concrete pours.

During previous extended works at the Phillip Street intersection to replace the water main, there were no complaints received from stakeholders (business or residential). Noise monitoring conducted at the Meriton Suites (nearest residential receptor) during the removal of the road pavement (high noise impact works) determined that noise levels varied from 57.7 dBA to 62.9 dBA. As such, the proposed installation of the track slab and associated services is not anticipated to exceed 65dBA at the Meriton Suites.



### Community Consultation Outcomes

To demonstrate compliance with the Infrastructure Approval, consultation has been undertaken with affected receivers, including residents and businesses (**Annexure D**). Parramatta Connect directly consulted with 66 stakeholders of which 94% had no objection to the proposed program. The face-to-face consultation included the Eat Street businesses and the Business Reference Group. While the businesses were overwhelmingly supportive of the proposed works and duration reduction, a formal response from the Business Reference Group is pending.

### Approval Request

Approval is requested from the Secretary to vary the requirements of condition of approval E37 to enable continuous works to be undertaken at the intersection of Church Street and Phillip Street between 1 April and 19 April 2021.

Please contact me at [denise.corish@pcplr.com.au](mailto:denise.corish@pcplr.com.au) or on 0448 039 552 if you have any further questions in relation to the matters set out in this letter.

Yours sincerely  
on behalf of Parramatta Connect

Denise Corish  
Environment and Sustainability Manager

Encl:   Annexure A Extract of the draft variation of EPL 21347  
          Annexure B Construction Noise and Vibration Assessment Report  
          Annexure C Out of Hours Works Permit (endorsed by Acoustic Advisor and Environmental Representative)  
          Annexure D Eat Street Consultation Report



**Annexure A - Extract of the draft variation of EPL 21347**

# Environment Protection Licence

Licence - 21347

stabilised.

Erosion and sediment controls are to be selected, installed and maintained taking into consideration the guidance in "Managing Urban Stormwater – Soils and Construction, Volume 2D, Main road construction" (DECC 2008) and "Managing urban stormwater: soils and construction – Volume 1" (Landcom 2006).

O5.3 The erosion and sediment controls to be implemented are to include but not be limited to:

- a) minimising the area of exposed soil as much as practicable, including stabilising disturbed areas as soon as practicable;
- b) diversion of run-off from land upslope of the premises or undisturbed portions of the premises away from areas of soil disturbance as much as practicable;
- c) diversion of run-off from areas of exposed soil to appropriate sediment and erosion control devices as much as practicable; and
- d) installing erosion controls in the base of drains used to divert runoff, to minimise erosion of sediment from the drain.

O5.4 The licensee must ensure that all erosion and sediment control measures installed on the premises are inspected and works undertaken to repair and/or maintain these controls if practicable and safe to do so:

- a) at least weekly;
- b) daily during periods of rainfall;
- c) immediately before site closure greater than 48 hours;
- d) within 24 hours of the cessation of a rainfall event causing runoff to occur on or from the premises; and
- e) prior to any major rainfall event forecasted.

The licensee must record all such inspections including observations and works undertaken to repair and/or maintain erosion and sediment controls and provide these records to an authorised officer upon request.

## Continuous Road Intersection Track Installation Works

O5.5 The licensee must ensure that no Continuous Road Intersection Track Installation Works occur at the intersection of Phillip Street and Church Street Parramatta prior to 1 April 2021 or after 19 April 2021.

**Note:** Any Continuous Road Intersection Track Installation Works occurring at the intersection of Phillip Street and Church Street Parramatta between 1 April 2021 and 19 April 2021 are exempt from complying with conditions L4.2, L4.3, L4.7 and L4.9.



## **Annexure B Construction Noise and Vibration Assessment Report**



# Construction Noise and Vibration Assessment Report (CNVR)

## CNVR-A2\_005 – Phillip Street Track Installation – Typical Construction Impacts

Project Name: Parramatta Light Rail Stage 1  
Infrastructure Contract

<b>Project number</b>	<b>N81080</b>
<b>Document number</b>	TBC
<b>Revision date</b>	18/03/21
<b>Revision</b>	01

<b>Rev.</b>	<b>Date</b>	<b>Prepared By</b>	<b>Reviewed By</b>	<b>Approved By</b>	<b>Remarks</b>
00	18/03/21	T. Ferris	D. Corish		Initial Submission to Acoustic Advisor
01	18/03/21	T. Ferris	D. Corish		Amended following comments from Acoustic Advisor

18 March 2021

2021-03-18\_TK528-10 Phillip Street Track Installation - Typical Construction Impacts (2) - ID 1484.docx

CPB Downer JV PLR

Tristan Ferris

Tristan.Ferris@pcplr.com.au

From: Renzo Tonin and Associates via Gatewave

Calculation scenario: **Phillip Street Track Installation - Typical Construction Impacts (2)** (Gatewave ID 1484)

## Parramatta Light Rail - 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 the Parramatta Light Rail project.

The overall noise and vibration impacts from Parramatta Light Rail Stage 1 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 E42. 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 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 model input 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	1m
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.)
Ground topography	1m digital ground contours
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 and the buildings/structures potentially within these MWDs are identified in APPENDIX C.

### 2.3 Limitations to Gatewave assessment

The assessment areas within Gatewave are predefined by the software and often extend to an area far greater than of the actual scenario. This is particularly the case for intersection works where sections of the alignment are selected in addition to the intersection itself.

Separating works scopes is not able to be achieved within a single assessment and assumes that all plant/equipment are operating simultaneously. For this reason – and given the limited scope of High

Noise Impact Works (HNIW) – it was determined that this assessment would focus on the ‘typical’ construction activities being undertaken as part of the Phillip Street Track Install works as these form the main scope of works.

The Gatewave assessment does not take into consideration mitigation measures implemented during the calculations. Implementation of mitigation measures such as noise blankets can reduce impacts by 5-10dB.

### 3 Construction activities

Key details regarding the construction work locations, the likely plant and equipment, and hours of operation are presented in Table 2.

**Table 2: Proposed construction activities and associated sound power levels**

Crew ID <sup>1</sup>	Activity	Plant and equipment	No. of Items				Sound power level per item, dB(A)		High impact item
			Day (standard hours)	Day (out of hours)	Evening	Night	Leq	Lmax	
1	Phillip Street Track Installation - Typical Construction Impacts	Excavator w bucket (25t)	2	2	2	2	103	108	-
		Trench Roller	1	1	1	1	109	113	-
		Dump truck	1	1	1	1	106	111	-
		Lighting tower	-	-	-	4	99	102	-
		Concrete Agi	1	1	1	1	108	111	-
		Hand tools	5	5	5	5	107	111	-

Notes:

- 1) Construction activities with the same crew ID do not occur concurrently (i.e. are not cumulative)

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

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 and detailed results of all assessed receivers are available in APPENDIX A.

**Table 3: Summary of exceedances**

NCA <sup>1</sup>	Day (standard hours)		Day (out of hours)		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
NCA08	0 to 10	0	0 to 5	0	0 to 5	0	0 to 5	1
	> 10	0	6 to 15	0	6 to 15	0	6 to 15	1
	Over 75 dB(A)	0	16 to 25	0	16 to 25	0	16 to 25	0
			> 25	0	> 25	0	> 25	0
NCA09	0 to 10	2	0 to 5	0	0 to 5	0	0 to 5	0
	> 10	0	6 to 15	2	6 to 15	2	6 to 15	1
	Over 75 dB(A)	0	16 to 25	0	16 to 25	0	16 to 25	2
			> 25	0	> 25	0	> 25	0
OSR <sup>2</sup>	0 to 10	15	0 to 5	11	0 to 5	11	0 to 5	11
	> 10	18	6 to 15	5	6 to 15	5	6 to 15	5
			16 to 25	17	16 to 25	17	16 to 25	17
			> 25	0	> 25	0	> 25	0

1. NCR: Noise Catchment Area as defined in the EIS
2. OSR: Other Sensitive Receivers which means all non-residential properties

## 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 <sup>1</sup>	Non-residential <sup>2</sup>
Trench Roller	None	5	5	20	5

Notes:

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

The building/structures potentially within MWDs during the proposed works are identified in APPENDIX C.

## 4.3 Mitigation measures

### 4.3.1 Specific reasonable and feasible mitigation measures

The GateWave Noise Assessment undertaken represents a worst-case scenario with all plant operating for the full 15 minute monitoring period, and no mitigation measures in place.

To mitigate the identified impacts, the below measures are proposed, where feasible:

- Program works which have highest impact to residential receivers to occur during day shift
- Should HNIW occur during night periods, limit the duration and consecutive nights
- Program low noise works, such as curing of concrete and use of hand tools, during night periods
- Enclose the work area with noise blankets
- Additional noise blankets around any HNIW, such as hammering or concrete cutting, on a minimum of 3 sides (temporary noise screens can provide 5 to 10 dB noise reduction, where they can break line of sight)
- Undertake consultation with businesses and residents regarding predicted impacts
- Any plant not in operation for extended periods of time shall be switched off (predominantly applicable for delivery vehicles, traffic control vehicles and excavators)
- Minimise the amount of reversing required and therefore sounds of the squawker
- Fixed plant to be located at locations where buildings will block direct line of sight to residential receivers and enclosed by noise blankets where safe to do so (e.g. concrete pumps)
- Direct noise-emitting plant away from sensitive receivers where practicable
- When loading material into dump trucks, minimise the height material is dropped from
- Regular inspections upon commencement of works to ensure mitigation measures are implemented and effective

- additional mitigation measures in Appendix A and Table 6 to be reviewed and implemented where practicable:
  - o Project Notification (PN) to be provided to impacted stakeholders no less than 5 days prior to commencement of works
  - o Specific Notification (SN) briefing those stakeholders directly impacted by the works
  - o Verification Monitoring (V) upon commencement ensuring effectiveness of controls
  - o Respite Offer (RO) provided to those impacted receivers in accordance with Business Reference Group Agreement:
    - During scheduled events on 11 April and 16 April 2021 at Bankwest Stadium, the works would be limited to low noise activities between the hours of 6:00pm and 12:00am to minimise impact on adjacent restaurants.
    - During the weekends of 9/10 April and 16/17 April 2021, works between the hours of 6:00pm and 12:00am on Friday and Saturday will be limited to low noise activities where practicable

#### 4.3.2 Additional noise mitigation measures

In accordance with the CNVS, where, after application of all reasonable and feasible mitigation measures, the  $L_{Aeq(15minute)}$  airborne construction noise levels are still predicted to exceed the NMLs, additional airborne noise mitigation measures can be applied to limit the risk of annoyance from construction noise. The steps to be carried out to determine the additional management measures to be implemented are identified in Table 5.

Table 5 present 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.

**Table 5: Additional airborne noise mitigation measures**

Construction hours	Predicted airborne $L_{Aeq(15min)}$ noise level at receiver			Additional mitigation measures	Additional mitigation measure code
	Receiver perception	dB(A) above RBL	dB(A) above NML		
Standard Hours	Noticeable	5 to 10	0	-	-
	Clearly Audible	10 to 20	$\leq 10$	-	-
	Moderately intrusive	20 to 30	10 to 20	PN, V	AM2
	Highly intrusive	30	20	PN, V	AM2
	75dBA or greater	N/A	N/A	PN, SN, V	AM3
OOHW Period 1	Noticeable	5 to 10	$\leq 5$	-	
	Clearly Audible	10 to 20	5 to 15	PN	AM1
	Moderately intrusive	20 to 30	15 to 25	PN, V, SN, RO	AM4
	Highly intrusive	30	25	PN, V, SN, RO, RP <sup>#</sup> , DR <sup>#</sup>	AM5
OOHW Period 2	Noticeable	0 to 10	$\leq 5$	PN	AM1
	Clearly Audible	10 to 20	5 to 15	PN, V	AM2
	Moderately intrusive	20 to 30	15 to 25	PN, V, SN, RP, DR	AM6
	Highly intrusive	30	25	PN, V, SN, AA, RP, DR	AM7

Notes: PN = Project notification V = Verification monitoring SN = Specific notifications, individual briefing or phone call  
 RO = Project specific respite offer RP = Project specific respite offer DR = Duration reduction

<sup>#</sup> Respite periods and duration reduction are not applicable when works are carried out during OOHW Period 1 Day only (i.e. Saturday 6am – 7am and 1pm to 6pm, Sundays/ Public Holidays 8am to 6pm)

### 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 6 identifies potential monitoring locations in each NCA, which are predicted to be the most affected receivers from the works.



**Table 6: Nominated verification monitoring locations**

Receiver		Noise criteria, dB(A)				Predicted noise levels, dB(A) Leq,15min						Predicted noise levels, dB(A) Lmax
NCA	Address	NML Day dB(A) Leq 15min	NML Day (OOH) dB(A) Leq 15min	NML Evening dB(A) Leq 15min	NML Night dB(A) Leq 15min	Lmax (screening) dB(A) Lmax	Lmax (limit) dB(A) Lmax	Day (standard hours)	Day (out of hours)	Evening	Night	Night
NCA08	354-366 CHURCH STREET, PARRAMATTA, NSW	69	64	62	51	61	65	57	57	57	57	57
NCA08	346 CHURCH STREET, PARRAMATTA, NSW	69	64	62	51	61	65	56	56	56	56	56
NCA09	330 CHURCH STREET, PARRAMATTA, NSW	68	63	58	48	58	65	73	73	73	73	73
NCA09	330 CHURCH STREET, PARRAMATTA, NSW	68	63	58	48	58	65	69	69	69	69	69
NCA09	101 MARSDEN STREET, PARRAMATTA, NSW	68	63	58	48	58	65	58	58	58	58	58

Receiver		Noise criteria, dB(A)				Predicted noise levels, dB(A) Leq,15min						Predicted noise levels, dB(A) Lmax
NCA	Address	NML Day dB(A) Leq 15min	NML Day (OOH) dB(A) Leq 15min	NML Evening dB(A) Leq 15min	NML Night dB(A) Leq 15min	Lmax (screening) dB(A) Lmax	Lmax (limit) dB(A) Lmax	Day (standard hours)	Day (out of hours)	Evening	Night	Night
OSR	287 CHURCH STREET, PARRAMATTA , NSW	70	70	70	70	0	0	90	90	90	90	90
OSR	302 CHURCH STREET, PARRAMATTA , NSW	70	70	70	70	0	0	90	90	90	90	90
OSR	292 CHURCH STREET, PARRAMATTA , NSW	70	70	70	70	0	0	90	90	90	90	90

#### **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 Construction Noise and Vibration Management Plan (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 Section 8.4 of the CNVS.

## 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 2 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**     Detailed construction noise results

Table 7: Construction noise results

Receiver		Noise criteria, dB(A)					Predicted noise levels, dB(A) Leq,15min					Predicted noise levels, dB(A) Lmax	Exceedance, dB(A)		Additional mitigation							
NCA	Address	NML Day dB(A) Leq 15min	NML Day (OOH) dB(A) Leq 15min	NML Evening dB(A) Leq 15min	NML Night dB(A) Leq 15min	Lmax (screening) dB(A) Lmax	Lmax (limit) dB(A) Lmax	Day (standard hours)	Day (out of hours)	Evening	Night	Night	NML Day dB(A) Leq 15min	NML Day (OOH) dB(A) Leq 15min	NML Evening dB(A) Leq 15min	NML Night dB(A) Leq 15min	Lmax (screening) dB(A) Lmax	Lmax (limit) dB(A) Lmax	Day (standard hours)	Day (out of hours)	Evening	Night
NCA08	354-366 CHURCH STREET, PARRAMATTA, NSW	69	64	62	51	61	65	57	57	57	57	57	-	-	-	6	-	-	-	-	-	AM2
NCA08	346 CHURCH STREET, PARRAMATTA, NSW	69	64	62	51	61	65	56	56	56	56	56	-	-	-	5	-	-	-	-	-	AM1
NCA08	6 SORRELL STREET, PARRAMATTA, NSW	69	64	62	51	61	65	46	46	46	46	46	-	-	-	-	-	-	-	-	-	-
NCA08	3 SORRELL STREET, PARRAMATTA, NSW	69	64	62	51	61	65	47	47	47	47	47	-	-	-	-	-	-	-	-	-	-
NCA08	7 SORRELL STREET, PARRAMATTA, NSW	69	64	62	51	61	65	33	33	33	33	33	-	-	-	-	-	-	-	-	-	-
NCA08	5 SORRELL STREET, PARRAMATTA, NSW	69	64	62	51	61	65	32	32	32	32	32	-	-	-	-	-	-	-	-	-	-
NCA08	5 SORRELL STREET, PARRAMATTA, NSW	69	64	62	51	61	65	33	33	33	33	33	-	-	-	-	-	-	-	-	-	-
NCA08	1 SORRELL STREET, PARRAMATTA, NSW	69	64	62	51	61	65	47	47	47	47	47	-	-	-	-	-	-	-	-	-	-
NCA08	5 SORRELL STREET, PARRAMATTA, NSW	69	64	62	51	61	65	33	33	33	33	33	-	-	-	-	-	-	-	-	-	-
NCA08	5 SORRELL STREET, PARRAMATTA, NSW	69	64	62	51	61	65	33	33	33	33	33	-	-	-	-	-	-	-	-	-	-
NCA08	7-9 VICTORIA ROAD, PARRAMATTA, NSW	69	64	62	51	61	65	31	31	31	31	31	-	-	-	-	-	-	-	-	-	-
NCA08	17 Sorrell St, Parramatta NSW 2150	69	64	62	51	61	65	30	30	30	30	30	-	-	-	-	-	-	-	-	-	-
NCA08	15 Sorrell St, Parramatta NSW 2150	69	64	62	51	61	65	29	29	29	29	29	-	-	-	-	-	-	-	-	-	-
NCA09	330 CHURCH STREET, PARRAMATTA, NSW	68	63	58	48	58	65	73	73	73	73	73	5	10	15	25	15	8	-	AM1	AM1	AM6
NCA09	330 CHURCH STREET, PARRAMATTA, NSW	68	63	58	48	58	65	69	69	69	69	69	1	6	11	21	11	4	-	AM1	AM1	AM6
NCA09	101 MARSDEN STREET, PARRAMATTA, NSW	68	63	58	48	58	65	58	58	58	58	58	-	-	-	10	-	-	-	-	-	AM2
OSR	287 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	90	90	90	90	90	20	20	20	20			-	-	-	-
OSR	302 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	90	90	90	90	90	20	20	20	20			-	-	-	-
OSR	292 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	90	90	90	90	90	20	20	20	20			-	-	-	-
OSR	286 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	90	90	90	90	90	20	20	20	20			-	-	-	-
OSR	267 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	90	90	90	90	90	20	20	20	20			-	-	-	-
OSR	277 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	90	90	90	90	90	20	20	20	20			-	-	-	-
OSR	308-314 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	90	90	90	90	90	20	20	20	20			-	-	-	-
OSR	263 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	89	89	89	89	89	19	19	19	19			-	-	-	-
OSR	279 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	89	89	89	89	89	19	19	19	19			-	-	-	-
OSR	316-318 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	89	89	89	89	89	19	19	19	19			-	-	-	-
OSR	293 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	88	88	88	88	88	18	18	18	18			-	-	-	-
OSR	291 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	88	88	88	88	88	18	18	18	18			-	-	-	-
OSR	289 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	88	88	88	88	88	18	18	18	18			-	-	-	-
OSR	298 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	88	88	88	88	88	18	18	18	18			-	-	-	-
OSR	295 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	88	88	88	88	88	18	18	18	18			-	-	-	-
OSR	306 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	87	87	87	87	87	17	17	17	17			-	-	-	-
OSR	281 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	87	87	87	87	87	17	17	17	17			-	-	-	-
OSR	320 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	83	83	83	83	83	13	13	13	13			-	-	-	-
OSR	30 PHILLIP STREET, PARRAMATTA, NSW	60	60	60	60	0	0	69	69	69	69	69	9	9	9	9			-	-	-	-

Receiver		Noise criteria, dB(A)						Predicted noise levels, dB(A) Leq,15min					Predicted noise levels, dB(A) Lmax	Exceedance, dB(A)		Additional mitigation						
NCA	Address	NML Day dB(A) Leq 15min	NML Day (OOH) dB(A) Leq 15min	NML Evening dB(A) Leq 15min	NML Night dB(A) Leq 15min	Lmax (screening) dB(A) Lmax	Lmax (limit) dB(A) Lmax	Day (standard hours)	Day (out of hours)	Evening	Night	Night	NML Day dB(A) Leq 15min	NML Day (OOH) dB(A) Leq 15min	NML Evening dB(A) Leq 15min	NML Night dB(A) Leq 15min	Lmax (screening) dB(A) Lmax	Lmax (limit) dB(A) Lmax	Day (standard hours)	Day (out of hours)	Evening	Night
OSR	278-282 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	79	79	79	79	79	9	9	9	9			-	-	-	-
OSR	328 Church St, Parramatta NSW	70	70	70	70	0	0	77	77	77	77	77	7	7	7	7			-	-	-	-
OSR	253 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	77	77	77	77	77	7	7	7	7			-	-	-	-
OSR	272 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	75	75	75	75	75	5	5	5	5			-	-	-	-
OSR	311-313 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	75	75	75	75	75	5	5	5	5			-	-	-	-
OSR	28 PHILLIP STREET, PARRAMATTA, NSW	70	70	70	70	0	0	74	74	74	74	74	4	4	4	4			-	-	-	-
OSR	49 PHILLIP STREET, PARRAMATTA, NSW	60	60	60	60	0	0	63	63	63	63	63	3	3	3	3			-	-	-	-
OSR	330 CHURCH STREET, PARRAMATTA, NSW	60	60	60	60	0	0	63	63	63	63	63	3	3	3	3			-	-	-	-
OSR	232 CHURCH STREET, PARRAMATTA, NSW	55	55	55	55	0	0	58	58	58	58	58	3	3	3	3			-	-	-	-
OSR	243 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	72	72	72	72	72	2	2	2	2			-	-	-	-
OSR	211 CHURCH STREET, PARRAMATTA, NSW	55	55	55	55	0	0	57	57	57	57	57	2	2	2	2			-	-	-	-
OSR	317 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	72	72	72	72	72	2	2	2	2			-	-	-	-
OSR	323 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	71	71	71	71	71	1	1	1	1			-	-	-	-
OSR	321 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	71	71	71	71	71	1	1	1	1			-	-	-	-
OSR	353 Church Street, Parramatta 2150	70	70	70	70	0	0	61	61	61	61	61	-	-	-	-			-	-	-	-
OSR	353-353 CHURCH STREET, PARRAMATTA, NSW	60	60	60	60	0	0	57	57	57	57	57	-	-	-	-			-	-	-	-
OSR	Parramatta River Walk - 340A Church St, Parramatta NSW 2150	60	60	60	60	0	0	48	48	48	48	48	-	-	-	-			-	-	-	-
OSR	Prince Alfred Square-353D Church St, Parramatta NSW 2150	60	60	60	60	0	0	43	43	43	43	43	-	-	-	-			-	-	-	-
OSR	Parramatta Stadium, O'Connell St	65	65	65	65	0	0	44	44	44	44	44	-	-	-	-			-	-	-	-
OSR	348 CHURCH STREET, PARRAMATTA, NSW	65	65	65	65	0	0	57	57	57	57	57	-	-	-	-			-	-	-	-
OSR	356 CHURCH STREET, PARRAMATTA, NSW	65	65	65	65	0	0	34	34	34	34	34	-	-	-	-			-	-	-	-
OSR	Old King's Parade Ground - 24A O'Connell St, Parramatta NSW 2150	60	60	60	60	0	0	39	39	39	39	39	-	-	-	-			-	-	-	-
OSR	1 MARIST PLACE, PARRAMATTA, NSW	55	55	55	55	0	0	41	41	41	41	41	-	-	-	-			-	-	-	-
OSR	3 MARIST PLACE, PARRAMATTA, NSW	55	55	55	55	0	0	48	48	48	48	48	-	-	-	-			-	-	-	-
OSR	1 MARIST PLACE, PARRAMATTA, NSW	55	55	55	55	0	0	46	46	46	46	46	-	-	-	-			-	-	-	-
OSR	1 MARIST PLACE, PARRAMATTA, NSW	55	55	55	55	0	0	36	36	36	36	36	-	-	-	-			-	-	-	-
OSR	2 SORRELL STREET, PARRAMATTA, NSW	55	55	55	55	0	0	48	48	48	48	48	-	-	-	-			-	-	-	-
OSR	1 MARIST PLACE, PARRAMATTA, NSW	55	55	55	55	0	0	43	43	43	43	43	-	-	-	-			-	-	-	-
OSR	1 MARIST PLACE, PARRAMATTA, NSW	70	70	70	70	0	0	45	45	45	45	45	-	-	-	-			-	-	-	-
OSR	1 MARIST PLACE, PARRAMATTA, NSW	55	55	55	55	0	0	46	46	46	46	46	-	-	-	-			-	-	-	-
OSR	2 SORRELL STREET, PARRAMATTA, NSW	55	55	55	55	0	0	48	48	48	48	48	-	-	-	-			-	-	-	-
OSR	1 MARIST PLACE, PARRAMATTA, NSW	55	55	55	55	0	0	32	32	32	32	32	-	-	-	-			-	-	-	-
OSR	1 MARIST PLACE, PARRAMATTA, NSW	55	55	55	55	0	0	36	36	36	36	36	-	-	-	-			-	-	-	-
OSR	350 CHURCH STREET, PARRAMATTA, NSW	60	60	60	60	0	0	53	53	53	53	53	-	-	-	-			-	-	-	-
OSR	353-353 CHURCH STREET, PARRAMATTA, NSW	60	60	60	60	0	0	60	60	60	60	60	-	-	-	-			-	-	-	-
OSR	370-376 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	53	53	53	53	53	-	-	-	-			-	-	-	-

Receiver		Noise criteria, dB(A)						Predicted noise levels, dB(A) Leq,15min					Predicted noise levels, dB(A) Lmax	Exceedance, dB(A)		Additional mitigation						
NCA	Address	NML Day dB(A) Leq 15min	NML Day (OOH) dB(A) Leq 15min	NML Evening dB(A) Leq 15min	NML Night dB(A) Leq 15min	Lmax (screening) dB(A) Lmax	Lmax (limit) dB(A) Lmax	Day (standard hours)	Day (out of hours)	Evening	Night	Night	NML Day dB(A) Leq 15min	NML Day (OOH) dB(A) Leq 15min	NML Evening dB(A) Leq 15min	NML Night dB(A) Leq 15min	Lmax (screening) dB(A) Lmax	Lmax (limit) dB(A) Lmax	Day (standard hours)	Day (out of hours)	Evening	Night
OSR	366-368 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	52	52	52	52	52	-	-	-	-			-	-	-	-
OSR	356 CHURCH STREET, PARRAMATTA, NSW	55	55	55	55	0	0	55	55	55	55	55	-	-	-	-			-	-	-	-
OSR	12 PALMER STREET, PARRAMATTA, NSW	70	70	70	70	0	0	28	28	28	28	28	-	-	-	-			-	-	-	-
OSR	19 SORRELL STREET, PARRAMATTA, NSW	70	70	70	70	0	0	30	30	30	30	30	-	-	-	-			-	-	-	-
OSR	6 PALMER STREET, PARRAMATTA, NSW	70	70	70	70	0	0	41	41	41	41	41	-	-	-	-			-	-	-	-
OSR	8-10 PALMER STREET, PARRAMATTA, NSW	70	70	70	70	0	0	31	31	31	31	31	-	-	-	-			-	-	-	-
OSR	2 PALMER STREET, PARRAMATTA, NSW	70	70	70	70	0	0	33	33	33	33	33	-	-	-	-			-	-	-	-
OSR	Parramatta River Walk - 340A Church St, Parramatta NSW 2150	60	60	60	60	0	0	37	37	37	37	37	-	-	-	-			-	-	-	-
OSR	90 George St, Parramatta NSW	70	70	70	70	0	0	35	35	35	35	35	-	-	-	-			-	-	-	-
OSR	211 CHURCH STREET, PARRAMATTA, NSW	55	55	55	55	0	0	44	44	44	44	44	-	-	-	-			-	-	-	-
OSR	89 Marsden St, Parramatta NSW 2150	70	70	70	70	0	0	38	38	38	38	38	-	-	-	-			-	-	-	-
OSR	89 Marsden St, Parramatta NSW 2150	70	70	70	70	0	0	38	38	38	38	38	-	-	-	-			-	-	-	-
OSR	20-22 Macquarie St, Parramatta NSW	70	70	70	70	0	0	38	38	38	38	38	-	-	-	-			-	-	-	-
OSR	91 Marsden St, Parramatta NSW 2150	70	70	70	70	0	0	51	51	51	51	51	-	-	-	-			-	-	-	-
OSR	223 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	62	62	62	62	62	-	-	-	-			-	-	-	-
OSR	219 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	60	60	60	60	60	-	-	-	-			-	-	-	-
OSR	215-217 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	59	59	59	59	59	-	-	-	-			-	-	-	-
OSR	256 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	63	63	63	63	63	-	-	-	-			-	-	-	-
OSR	220 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	56	56	56	56	56	-	-	-	-			-	-	-	-
OSR	42 MACQUARIE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	39	39	39	39	39	-	-	-	-			-	-	-	-
OSR	43 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	42	42	42	42	42	-	-	-	-			-	-	-	-
OSR	260 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	62	62	62	62	62	-	-	-	-			-	-	-	-
OSR	240 Church Street, Parramatta NSW 2150	70	70	70	70	0	0	59	59	59	59	59	-	-	-	-			-	-	-	-
OSR	238 Church Street, Parramatta NSW 2150	70	70	70	70	0	0	58	58	58	58	58	-	-	-	-			-	-	-	-
OSR	236 Church Street, Parramatta NSW 2150	70	70	70	70	0	0	58	58	58	58	58	-	-	-	-			-	-	-	-
OSR	17 George St, Parramatta NSW	70	70	70	70	0	0	40	40	40	40	40	-	-	-	-			-	-	-	-
OSR	156 Marsden St, Parramatta NSW	65	65	65	65	0	0	39	39	39	39	39	-	-	-	-			-	-	-	-
OSR	41 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	45	45	45	45	45	-	-	-	-			-	-	-	-
OSR	69 GEORGE STREET, PARRAMATTA 2150	70	70	70	70	0	0	36	36	36	36	36	-	-	-	-			-	-	-	-
OSR	11 George St, Parramatta NSW 2150	70	70	70	70	0	0	38	38	38	38	38	-	-	-	-			-	-	-	-
OSR	44 MACQUARIE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	44	44	44	44	44	-	-	-	-			-	-	-	-
OSR	69 GEORGE STREET, PARRAMATTA 2150	70	70	70	70	0	0	37	37	37	37	37	-	-	-	-			-	-	-	-
OSR	207 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	56	56	56	56	56	-	-	-	-			-	-	-	-
OSR	71 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	45	45	45	45	45	-	-	-	-			-	-	-	-
OSR	30 PHILLIP STREET, PARRAMATTA, NSW	70	70	70	70	0	0	40	40	40	40	40	-	-	-	-			-	-	-	-
OSR	75 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	44	44	44	44	44	-	-	-	-			-	-	-	-

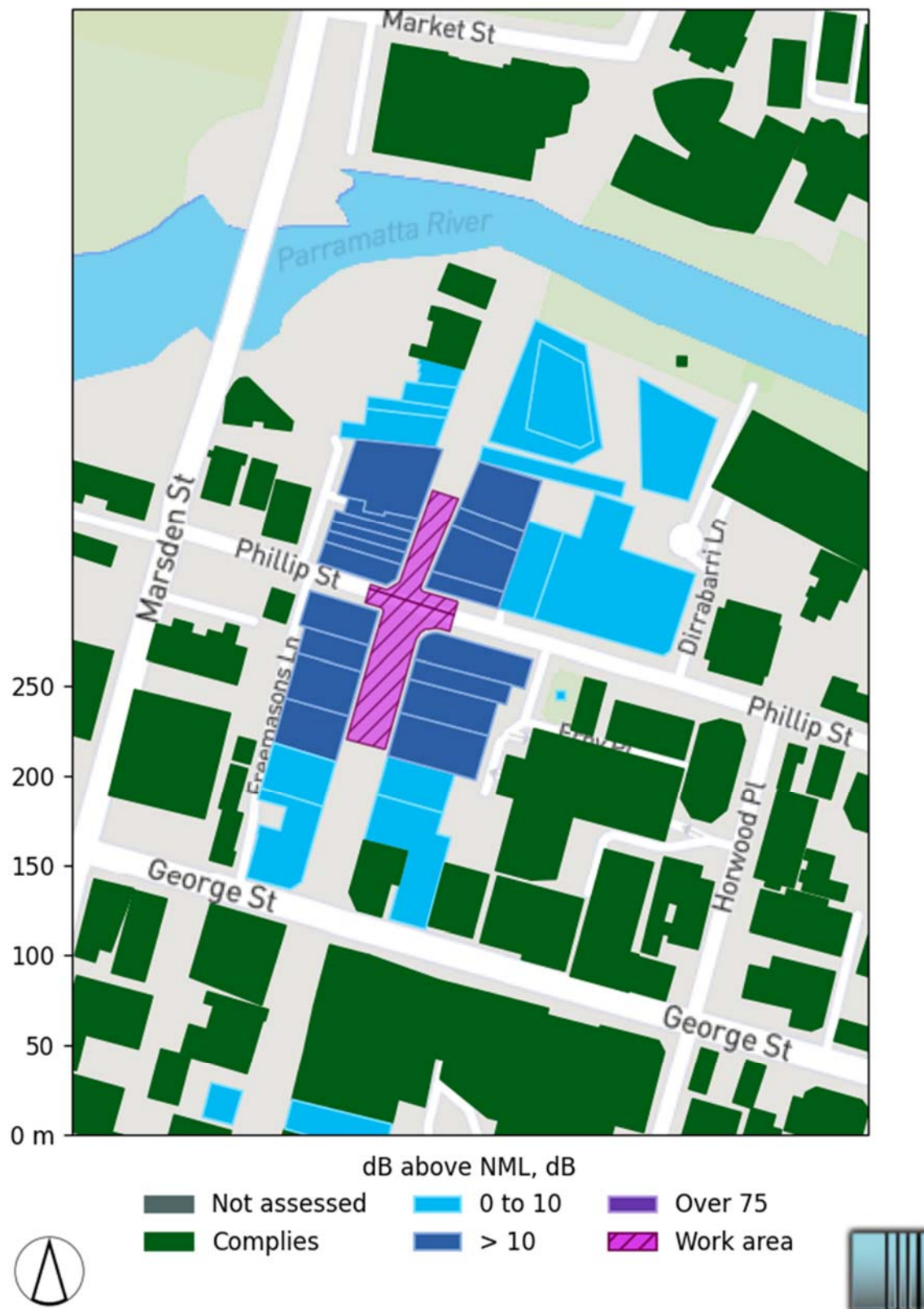


Receiver		Noise criteria, dB(A)						Predicted noise levels, dB(A) Leq,15min					Predicted noise levels, dB(A) Lmax	Exceedance, dB(A)				Additional mitigation				
NCA	Address	NML Day dB(A) Leq 15min	NML Day (OOH) dB(A) Leq 15min	NML Evening dB(A) Leq 15min	NML Night dB(A) Leq 15min	Lmax (screening) dB(A) Lmax	Lmax (limit) dB(A) Lmax	Day (standard hours)	Day (out of hours)	Evening	Night	Night	NML Day dB(A) Leq 15min	NML Day (OOH) dB(A) Leq 15min	NML Evening dB(A) Leq 15min	NML Night dB(A) Leq 15min	Lmax (screening) dB(A) Lmax	Lmax (limit) dB(A) Lmax	Day (standard hours)	Day (out of hours)	Evening	Night
OSR	48 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	52	52	52	52	52	-	-	-	-			-	-	-	-
OSR	222-230 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	57	57	57	57	57	-	-	-	-			-	-	-	-
OSR	30 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	57	57	57	57	57	-	-	-	-			-	-	-	-
OSR	55-67 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	40	40	40	40	40	-	-	-	-			-	-	-	-
OSR	49-57 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	42	42	42	42	42	-	-	-	-			-	-	-	-
OSR	197-205 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	57	57	57	57	57	-	-	-	-			-	-	-	-
OSR	242-244 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	61	61	61	61	61	-	-	-	-			-	-	-	-
OSR	20 O'CONNELL STREET, PARRAMATTA, NSW	70	70	70	70	0	0	55	55	55	55	55	-	-	-	-			-	-	-	-
OSR	15 George St, Parramatta NSW 2150	70	70	70	70	0	0	41	41	41	41	41	-	-	-	-			-	-	-	-
OSR	12 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	58	58	58	58	58	-	-	-	-			-	-	-	-
OSR	3 HORWOOD PLACE, PARRAMATTA, NSW	70	70	70	70	0	0	51	51	51	51	51	-	-	-	-			-	-	-	-
OSR	9 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	47	47	47	47	47	-	-	-	-			-	-	-	-
OSR	16 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	55	55	55	55	55	-	-	-	-			-	-	-	-
OSR	210 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	55	55	55	55	55	-	-	-	-			-	-	-	-
OSR	216 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	55	55	55	55	55	-	-	-	-			-	-	-	-
OSR	1 HORWOOD PLACE, PARRAMATTA, NSW	70	70	70	70	0	0	52	52	52	52	52	-	-	-	-			-	-	-	-
OSR	150 MARSDEN STREET, PARRAMATTA, NSW	70	70	70	70	0	0	45	45	45	45	45	-	-	-	-			-	-	-	-
OSR	25 SMITH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	44	44	44	44	44	-	-	-	-			-	-	-	-
OSR	48 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	46	46	46	46	46	-	-	-	-			-	-	-	-
OSR	12 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	56	56	56	56	56	-	-	-	-			-	-	-	-
OSR	32 PHILLIP STREET, PARRAMATTA, NSW	70	70	70	70	0	0	63	63	63	63	63	-	-	-	-			-	-	-	-
OSR	21 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	43	43	43	43	43	-	-	-	-			-	-	-	-
OSR	68-80 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	53	53	53	53	53	-	-	-	-			-	-	-	-
OSR	235 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	65	65	65	65	65	-	-	-	-			-	-	-	-
OSR	16 MACQUARIE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	42	42	42	42	42	-	-	-	-			-	-	-	-
OSR	60 MACQUARIE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	49	49	49	49	49	-	-	-	-			-	-	-	-
OSR	30 PHILLIP STREET, PARRAMATTA, NSW	70	70	70	70	0	0	38	38	38	38	38	-	-	-	-			-	-	-	-
OSR	91 PHILLIP STREET, PARRAMATTA, NSW	70	70	70	70	0	0	55	55	55	55	55	-	-	-	-			-	-	-	-
OSR	40 MACQUARIE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	39	39	39	39	39	-	-	-	-			-	-	-	-
OSR	28 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	61	61	61	61	61	-	-	-	-			-	-	-	-
OSR	160 MARSDEN STREET, PARRAMATTA, NSW	70	70	70	70	0	0	59	59	59	59	59	-	-	-	-			-	-	-	-
OSR	29 MACQUARIE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	30	30	30	30	30	-	-	-	-			-	-	-	-
OSR	67-69 PHILLIP STREET, PARRAMATTA, NSW	70	70	70	70	0	0	63	63	63	63	63	-	-	-	-			-	-	-	-
OSR	44-54 PHILLIP STREET, PARRAMATTA, NSW	70	70	70	70	0	0	55	55	55	55	55	-	-	-	-			-	-	-	-
OSR	202 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	54	54	54	54	54	-	-	-	-			-	-	-	-
OSR	160 MARSDEN STREET, PARRAMATTA, NSW	70	70	70	70	0	0	61	61	61	61	61	-	-	-	-			-	-	-	-
OSR	198 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	54	54	54	54	54	-	-	-	-			-	-	-	-

Receiver		Noise criteria, dB(A)						Predicted noise levels, dB(A) Leq,15min					Predicted noise levels, dB(A) Lmax		Exceedance, dB(A)		Additional mitigation					
NCA	Address	NML Day dB(A) Leq 15min	NML Day (OOH) dB(A) Leq 15min	NML Evening dB(A) Leq 15min	NML Night dB(A) Leq 15min	Lmax (screening) dB(A) Lmax	Lmax (limit) dB(A) Lmax	Day (standard hours)	Day (out of hours)	Evening	Night	Night	NML Day dB(A) Leq 15min	NML Day (OOH) dB(A) Leq 15min	NML Evening dB(A) Leq 15min	NML Night dB(A) Leq 15min	Lmax (screening) dB(A) Lmax	Lmax (limit) dB(A) Lmax	Day (standard hours)	Day (out of hours)	Evening	Night
OSR	264 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	68	68	68	68	68	-	-	-	-			-	-	-	-
OSR	46 MACQUARIE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	43	43	43	43	43	-	-	-	-			-	-	-	-
OSR	69 GEORGE STREET, PARRAMATTA, NSW	60	60	60	60	0	0	43	43	43	43	43	-	-	-	-			-	-	-	-
OSR	68 MACQUARIE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	33	33	33	33	33	-	-	-	-			-	-	-	-
OSR	152 MARSDEN STREET, PARRAMATTA, NSW	70	70	70	70	0	0	42	42	42	42	42	-	-	-	-			-	-	-	-
OSR	96 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	35	35	35	35	35	-	-	-	-			-	-	-	-
OSR	1 HORWOOD PLACE, PARRAMATTA, NSW	70	70	70	70	0	0	37	37	37	37	37	-	-	-	-			-	-	-	-
OSR	210 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	54	54	54	54	54	-	-	-	-			-	-	-	-
OSR	6-8 PHILLIP STREET, PARRAMATTA, NSW	70	70	70	70	0	0	56	56	56	56	56	-	-	-	-			-	-	-	-
OSR	37 SMITH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	36	36	36	36	36	-	-	-	-			-	-	-	-
OSR	6-8 PHILLIP STREET, PARRAMATTA, NSW	70	70	70	70	0	0	63	63	63	63	63	-	-	-	-			-	-	-	-
OSR	81 PHILLIP STREET, PARRAMATTA, NSW	70	70	70	70	0	0	58	58	58	58	58	-	-	-	-			-	-	-	-
OSR	19 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	45	45	45	45	45	-	-	-	-			-	-	-	-
OSR	35 SMITH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	48	48	48	48	48	-	-	-	-			-	-	-	-
OSR	36-38 PHILLIP STREET, PARRAMATTA, NSW	70	70	70	70	0	0	58	58	58	58	58	-	-	-	-			-	-	-	-
OSR	9 PHILLIP STREET, PARRAMATTA, NSW	70	70	70	70	0	0	68	68	68	68	68	-	-	-	-			-	-	-	-
OSR	55 PHILLIP STREET, PARRAMATTA, NSW	70	70	70	70	0	0	64	64	64	64	64	-	-	-	-			-	-	-	-
OSR	48 MACQUARIE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	42	42	42	42	42	-	-	-	-			-	-	-	-
OSR	52 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	39	39	39	39	39	-	-	-	-			-	-	-	-
OSR	164 MARSDEN STREET, PARRAMATTA, NSW	70	70	70	70	0	0	40	40	40	40	40	-	-	-	-			-	-	-	-
OSR	51 PHILLIP STREET, PARRAMATTA, NSW	70	70	70	70	0	0	66	66	66	66	66	-	-	-	-			-	-	-	-
OSR	252 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	62	62	62	62	62	-	-	-	-			-	-	-	-
OSR	73 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	36	36	36	36	36	-	-	-	-			-	-	-	-
OSR	10 PHILLIP STREET, PARRAMATTA, NSW	70	70	70	70	0	0	70	70	70	70	70	-	-	-	-			-	-	-	-
OSR	262 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	64	64	64	64	64	-	-	-	-			-	-	-	-
OSR	40 PHILLIP STREET, PARRAMATTA, NSW	70	70	70	70	0	0	41	41	41	41	41	-	-	-	-			-	-	-	-
OSR	75 PHILLIP STREET, PARRAMATTA, NSW	70	70	70	70	0	0	60	60	60	60	60	-	-	-	-			-	-	-	-
OSR	255 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	49	49	49	49	49	-	-	-	-			-	-	-	-
OSR	46 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	44	44	44	44	44	-	-	-	-			-	-	-	-
OSR	38-40 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	46	46	46	46	46	-	-	-	-			-	-	-	-
OSR	174 MARSDEN STREET, PARRAMATTA, NSW	70	70	70	70	0	0	64	64	64	64	64	-	-	-	-			-	-	-	-
OSR	2 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	36	36	36	36	36	-	-	-	-			-	-	-	-
OSR	18 SMITH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	46	46	46	46	46	-	-	-	-			-	-	-	-
OSR	2 O'CONNELL STREET, PARRAMATTA, NSW	70	70	70	70	0	0	37	37	37	37	37	-	-	-	-			-	-	-	-
OSR	10 SMITH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	45	45	45	45	45	-	-	-	-			-	-	-	-
OSR	2 O'CONNELL STREET, PARRAMATTA, NSW	70	70	70	70	0	0	58	58	58	58	58	-	-	-	-			-	-	-	-
OSR	325-327 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	68	68	68	68	68	-	-	-	-			-	-	-	-

Receiver		Noise criteria, dB(A)				Predicted noise levels, dB(A) Leq,15min				Predicted noise levels, dB(A) Lmax			Exceedance, dB(A)		Additional mitigation							
NCA	Address	NML Day dB(A) Leq 15min	NML Day (OOH) dB(A) Leq 15min	NML Evening dB(A) Leq 15min	NML Night dB(A) Leq 15min	Lmax (screening) dB(A) Lmax	Lmax (limit) dB(A) Lmax	Day (standard hours)	Day (out of hours)	Evening	Night	Night	NML Day dB(A) Leq 15min	NML Day (OOH) dB(A) Leq 15min	NML Evening dB(A) Leq 15min	NML Night dB(A) Leq 15min	Lmax (screening) dB(A) Lmax	Lmax (limit) dB(A) Lmax	Day (standard hours)	Day (out of hours)	Evening	Night
OSR	329 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	67	67	67	67	67	-	-	-	-			-	-	-	-
OSR	4 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	37	37	37	37	37	-	-	-	-			-	-	-	-
OSR	4 GEORGE STREET, PARRAMATTA, NSW	70	70	70	70	0	0	36	36	36	36	36	-	-	-	-			-	-	-	-
OSR	333 CHURCH STREET, PARRAMATTA, NSW	70	70	70	70	0	0	63	63	63	63	63	-	-	-	-			-	-	-	-
OSR	146 MARSDEN STREET, PARRAMATTA, NSW	70	70	70	70	0	0	42	42	42	42	42	-	-	-	-			-	-	-	-
OSR	22 O'CONNELL STREET, PARRAMATTA, NSW	70	70	70	70	0	0	39	39	39	39	39	-	-	-	-			-	-	-	-

## **APPENDIX B**    Noise exceedance maps

**Predicted exceedance of noise criteria, Day (standard hours) (area 1 of 1)**

**Predicted exceedance of noise criteria, Day (out of hours) (area 1 of 1)**



**Predicted exceedance of noise criteria, Evening (area 1 of 1)**

**Predicted exceedance of noise criteria, Night (area 1 of 1)**



## APPENDIX C    Vibration impact maps

**Predicted vibration impact (area 1 of 1)**

Vibration impact, buildings within minimum work distance

■ Human comfort (non-residential)

■ Human comfort (residential)

■ Cosmetic damage

■ Heritage

■ Work area





**Annexure C Out of Hours Works Permit**

## PLR OUT-OF-HOURS WORK PERMIT

(For works conducted under an Environment Protection Licence)

Permit No.	OOHW-A2_089		Application Date	18/03/2021
Revision No.	01		Revision Date	18/03/2021
Summary of Update	00	Initial Permit. Inclusion of AA and ER for extraordinary activity (extended shutdown)		
	01	Additional mitigation measures added to ensure consistency with Consultation Report.		
Title of Works	Church St/Phillip St Intersection			
Person Requesting OOHW	Dongju Kim – Project Engineer			

1.0 - JUSTIFICATION	
Justification why OOHW required	<p>Extended out of hours works proposed to reduce the duration of track installation works at intersection of Phillip and Church Street from 26 weekends to 2.5 weeks (1 April 2021 to 19 April 2021).</p> <p>Works will be undertaken during the day and night shift on both weekdays, weekends and public holidays.</p>
EPL Condition under which works are permitted	<p><i>Include additional details if required</i></p> <p>Confirm with EPL Conditions <a href="#">here</a></p> <p><input type="checkbox"/> <b>L4.4 - Exemptions to standard hours - Eat Street</b> Works in Eat Street outside of the standard construction hours must only be undertaken if the CPBDJV has reached an agreement with the Parramatta Light Rail Business Reference Group.</p> <p><input type="checkbox"/> <b>L4.5 - Exemptions to standard hours - low noise impact works</b></p> <p><input type="checkbox"/> <b>L4.6 - Exemptions to standard hours - Emergency works and special deliveries</b></p> <p><b>L4.7 - Works approved outside of standard hours</b></p> <p><input type="checkbox"/> a) carrying on those works and activities during standard hours would result in a high risk to construction personnel or public safety, <a href="#">based on a risk assessment carried out in accordance with AS/NZS ISO 31000:2009 "Risk Management"</a>; or</p> <p><input type="checkbox"/> b) the relevant road authority or network operator has advised the licensee in writing that carrying out the works and activities during the hours specified in condition L4.1 would result in a high risk to road network operational performance; or</p> <p><input type="checkbox"/> c) the relevant utility service operator has advised the licensee in writing that carrying out the works and activities during the hours specified in condition L4.1 would result in a high risk to the operation and integrity of the utility network; or</p> <p><input type="checkbox"/> d) TfNSW Transport Management Centre (or other road authority) have refused to issue a road occupancy licence during the hours specified in condition L4.1; or</p> <p><input type="checkbox"/> e) where Sydney Trains (or other rail authority) has advised the</p>

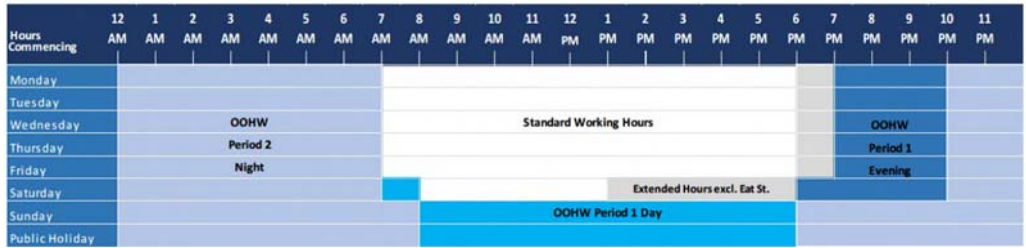
## 1.0 - JUSTIFICATION

	<p>proponent in writing that a rail possession is required.</p> <p><input checked="" type="checkbox"/> <b>O5.5 – Continuous Road Intersection Track Installation Works</b></p> <p>The licensee must ensure that no Continuous Road Intersection Track Installation Works occur at the intersection of Phillip Street and Church Street Parramatta prior to 1 April 2021 or after 19 April 2021.</p> <p>Note: Any Continuous Road Intersection Track Installation Works occurring at the intersection of Phillip Street and Church Street Parramatta between 1 April 2021 and 19 April 2021 are exempt from complying with conditions L4.2, L4.3, L4.7 and L4.9.</p>
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## 2.0 – DESCRIPTION OF THE WORKS

<b>Details of Work</b>  <input checked="" type="checkbox"/> Map attached (showing location / work extent / nearest sensitive receivers / landscape)	Location & Chainage	The intersection of Phillip Street and Church Street, with track tying into Lennox-Phillip and Phillip-George blocks (~10m)
	Description of works	<p><i>Indicative scope includes:</i></p> <ul style="list-style-type: none"> <li>• Site Setup</li> <li>• Traffic Control Implementation / Modification</li> <li>• Removal of existing asphalt               <ul style="list-style-type: none"> <li>○ Saw cutting and hammering (bucket/ripper will be used in preference where possible)</li> </ul> </li> <li>• Boxout to subgrade, subgrade treatment if required               <ul style="list-style-type: none"> <li>○ Excavation</li> <li>○ Rip and recompact</li> <li>○ Remove and replace</li> </ul> </li> <li>• CSR/Subsoil/Services installation               <ul style="list-style-type: none"> <li>○ Excavation</li> <li>○ Pit and Conduit Installation</li> <li>○ Backfill and compact services</li> <li>○ Pour no fines concrete</li> </ul> </li> <li>• FRP Lean mix concrete               <ul style="list-style-type: none"> <li>○ Form up edge boards</li> <li>○ Pour and finish lean mix concrete</li> </ul> </li> <li>• FRP Track Slab               <ul style="list-style-type: none"> <li>○ Form up track slab</li> <li>○ Lay rail</li> <li>○ Steel fix reinforcement</li> <li>○ Pour Track Slab</li> </ul> </li> <li>• Rail Works               <ul style="list-style-type: none"> <li>○ Delivery of Rail</li> <li>○ Welding of rail</li> <li>○ Cutting and grinding of rail</li> </ul> </li> <li>• Pavement/Footpath (inside compound/work area)               <ul style="list-style-type: none"> <li>○ Removal of existing kerbing and footpath inside compound</li> <li>○ FRP new kerbing</li> <li>○ Placement of new paving</li> </ul> </li> <li>• Traffic Reinstatement               <ul style="list-style-type: none"> <li>○ Backfill and compact material on lean mix</li> <li>○ Asphalt</li> <li>○ Removal of site compound / fencing and traffic control</li> </ul> </li> </ul>
	Proposed dates + time	Start: 01/04/2021      Finish: 19/04/2021
	Contingency dates + time	The alternative option is to conduct the works over 26 continuous weekends (56-hour shutdowns).

## 2.0 – DESCRIPTION OF THE WORKS

Proposed Timings	<p>Works and activities at Phillip Street and Church Street Intersection are proposed to be undertaken during an extended shutdown involving works outside of standard hours specified in Conditions L4.1 from 1 April 2021 to 19 April 2021.</p> <p>The proposed OOHW timings are for <b>OOHW Period 1 (Day) and (Evening)</b> and <b>OOHW Period 2 (Night)</b> – Image below for indicative periods</p> <p>OOHW Period 1 (Day) – Saturday afternoons, Sundays and Public Holidays  OOHW Period 1 (Evening) – Weeknights between Standard Hours and 10pm  OOHW Period 2 (Night) – Night works.</p>  <p>The chart shows OOHW periods across a 24-hour cycle for each day of the week. Monday to Friday show standard working hours (8 AM to 6 PM) with OOHW Period 2 (Night) from 6 PM to 11 PM. Saturday and Sunday show OOHW Period 1 (Day) from 12 PM to 6 PM and OOHW Period 1 (Evening) from 6 PM to 10 PM. Public Holiday shows OOHW Period 1 (Day) from 12 PM to 6 PM.</p>
Details on any concurrent construction activities being undertaken OOHW adjacent / in close proximity to the proposed works?	OOHW Respite Coordination is undertaken with other PCPLR works each week.
Names of Foremen supervising the work	Shane Erceg (PCPLR) – 0419 150 201 Neil McGarvey (PCPLR) – 0467 979 440
Subcontractor Details	South West Excavations

## 3.0 – SENSITIVE RECEIVERS

Distance to Nearest Sensitive	Sensitive Receiver	Distance	Sensitive Receiver	Distance
Noise Receiver	<input checked="" type="checkbox"/> Place of Worship	~ 400m from Church at corner of Victoria & Marsden	<input checked="" type="checkbox"/> Educational Institution (inc. Child Care Centres)	~200m from UNE
	<input checked="" type="checkbox"/> N+V Sensitive Business and critical working area	Businesses in immediate area along Church Street	<input checked="" type="checkbox"/> Nearest Residential Receiver	80-100m Meriton & Museum Gardens

## 4.0 – PLANT &amp; EQUIPMENT

<b>Plant and equipment to be used:</b> List all plant and noise generating equipment to be used during the work activities (eg. hand tools, generators, crane etc)	Indicative list of plant: <ul style="list-style-type: none"> <li>• 5T-25T Excavators (including hammer – bucket/ripper used instead where possible)</li> <li>• Heavy Vehicles: (Agitator Trucks, Bogies, Vacuum Trucks etc.)</li> <li>• Light Vehicles: (Vans, Utes, Tipper Trucks)</li> </ul>
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4.0 – PLANT & EQUIPMENT	
	<ul style="list-style-type: none"> <li>Equipment: Lighting Towers, Generators, Pumps, Power Tools (18V Cordless Tools, Grinders, Drills etc.), Whacker Packer, Compactor Plate, Road Saw, Core Drill, Aluminothermic welding machine</li> </ul>
Are alternative, quieter / less vibration intensive equipment options feasible for the activity?  If yes, why are these not being used?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Initial pavement works will be the highest impact with the remainder of the works resulting in 'typical construction' noise from excavators and hand tools.

5.0 – TRAFFIC MANAGEMENT	
Will the work require traffic control?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Describe the location and nature of disruption to traffic proposed	The works will be under a permanent Traffic Management Plan setup, with the intersection of Phillip St & Church St closed. Footpaths will remain open, with detours in place if required.
List any ROLs for the works	ROL / TMP No. to be finalised with TMC/SCO prior to works commencing.

6.0 – Lighting	
What lighting is to be provided for night work?	Existing street lighting will be the predominant source with lamps and day makers used as a contingency where required.
Will lighting be positioned to minimise light spill to nearby receivers?	Existing street lighting will be used as the predominant source.  Where street lighting is insufficient, day makers will be set up to minimise light spill to nearby receivers (Meriton, neighbouring businesses).

7.0 – Noise and Vibration Assessment	
Reference:	<b>Gatewave Construction Noise and Vibration Report CNVR-A2_005</b>  Predicted Impacts below (worst case assessment): <u>Nearest residential receiver:</u> Meriton Apartments. <ul style="list-style-type: none"> <li>- Day OOHW: 73dB (+10)</li> <li>- Evening OOHW: 73dB (+15dB(A))</li> <li>- Night OOHW: 73db (25db)</li> </ul> <u>Nearest OSR:</u> Neighbouring businesses: <ul style="list-style-type: none"> <li>- Day OOHW: 90dB (+20)</li> <li>- Evening OOHW: 90dB (+20db)</li> <li>- Night OOHW: 90db (+20db)</li> </ul> Refer to attached for list of other impacted receives.

7.0 – Noise and Vibration Assessment	
Acoustic Assessment to determine if works are above RBL +5dB(A) at closest receiver	<input type="checkbox"/> ● Below NML <input type="checkbox"/> ○ <5dB(A) above NML – construction noise noticeable <input checked="" type="checkbox"/> ◆ 5 to 15dB(A) above NML – construction noise clearly audible <input checked="" type="checkbox"/> ■ >15 to 25dB(A) above NML – construction noise moderately intrusive <input type="checkbox"/> >25dB(A) above NML – construction noise highly intrusive
What measures are being taken to reduce noise impacts	<input type="checkbox"/> None <input checked="" type="checkbox"/> Restrictive tools ( <i>list</i> ) <input type="checkbox"/> Balloon lights <input checked="" type="checkbox"/> Noise attenuation curtains <input checked="" type="checkbox"/> Other Refer to mitigation measures for list.
Noise monitoring required?	<input checked="" type="checkbox"/> Yes @ 330 Church Street (Meriton) for validation monitoring <input type="checkbox"/> No
Are vibration impacts expected / is vibration monitoring required?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Where vibratory works are within 5m from the building (hammering, saw cutting, vibratory rolling)
Community notification required?	Yes – Provided during consultation. Additional notification for the works will be provided to stakeholders
Works > 15dB(A) above NML Address(es) of the affected receivers and their associated RBL	Refer to attached



## AUTHORISATION

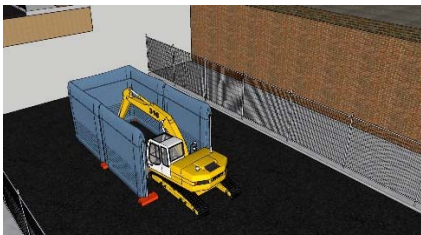
## 1. Environmental

**Mitigation Measures:****EPL Variation Conditions:**

Works and activities at Phillip Street Intersection are permitted to be undertaken outside the hours specified in Conditions L4.1 between 1 April 2021 to 19 April 2021. Works and activities under O5.5 of the EPL (condition to be confirmed following agreement of Draft Conditions) are exempt from Conditions L4.2, L4.3, L4.7 and L4.9.

**General**

- During standard hours High Noise Impact Works (HNIW) activities must provide one hour respite following every three hours of HNIW. High Noise Impact Works must only be conducted between:
  - 8am – 11am,
  - 12pm – 3pm and
  - 4pm – 6pm
- HNIW may be undertaken for extended periods for Track Installation only through an approved variation to the EPL
- Works shall be scheduled to maintain standard hours respite periods to sensitive/residential receivers.
- Where possible, utilise temporary noise screens (e.g. Echo-barrier, FlexShield or similar) around high noise intensive activities (e.g. saw cutting / hammering) to provide noise screening. The screen should be located at the source where reasonably practicable and around a minimum of 3 sides to ensure adequate shielding of the plant to receivers. Enclose at the rear and overhead where possible (Examples shown below)



- Undertake vibration monitoring in accordance with CNVIS where the following activities are within 5m of a sensitive receiver, or in response to a complaint:
  - Jackhammering
  - Concrete saw
  - Excavator with hammer
  - Vibratory Rolling
- Undertake noise monitoring in accordance with CNVIS
- Use quieter and less noise/vibration emitting construction methods in the works where feasible and reasonable. Limit the use of the jack hammer by manually removing concrete where possible.
- Ensure noise levels of plant and equipment (including rental plant) are compliant with Table 19 of the TfNSW CNVS.
- Switch off any equipment not in use for extended periods (e.g. heavy vehicles).
- Avoid/ limit simultaneous operation of noisy plant and equipment within discernible range of a sensitive receiver. Direct noise-emitting plant away from sensitive receivers where practicable. Locate fixed location plant items as far from sensitive receivers as practicable.
- Install alternative non-tonal reverse alarm (e.g. 'quackers') on all plant and equipment, where practicable.
- OOHW restrictions:
  - During scheduled events on 11 April and 16 April 2021 at Bankwest Stadium, the works would be limited to low noise activities between the hours of 6:00pm and 12:00am to minimise impact on adjacent restaurants.
  - During the weekends of 9/10 April and 16/17 April 2021, works between the hours of 6:00pm and 12:00am on Friday and Saturday will be limited to low noise activities where practicable
- Avoid unnecessary noise (e.g. swearing, shouting, loud stereos/radios, dropping of materials from height, throwing of metal items and slamming of doors).
- Use less vibration emitting construction methods where feasible and reasonable, for example vibratory rollers can, where practicable, be operated with the vibratory mode switched off to reduce vibration impact.



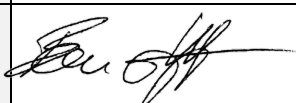
- Plan traffic flow, parking and loading/unloading areas to maximise distances between truck routes and sensitive receivers.
- Mitigate cumulative impacts with other PLR works where reasonable and feasible.

Pavement works:

- Cutting of pavement to be in dedicated cutting area. Cutting area to be established with noise blankets on three sides, without gaps
- Where minor in-situ cuts are required directly before placement, noise blankets to be installed where feasible and reasonable. This may include crowd control barriers placed locally at the source where hand held grinders are used.
- Work are to be inspected regularly (ie – prior to commencement of works following each break) to ensure setup is sufficient and effective.

**Additional Controls (Construction Noise and Vibration Report)**

- Program works which have highest impact to residential receivers to occur during day shift
- Should HNIW occur during night periods, limit the duration and consecutive nights.
- Program low noise works, such as curing of concrete and use of hand tools, during night periods
- Enclose the work area with noise blankets
- Additional noise blankets around any HNIW, such as hammering or concrete cutting, on a minimum of 3 sides. Temporary noise screens can provide 5 to 10 dB noise reduction, where they can break line of sight.
- Undertake consultation with businesses and residents regarding predicted impacts
- Any plant not in operation for extended periods of time shall be switched of. This will predominantly be applicable for delivery vehicles, traffic control vehicles and excavators
- Minimise the amount of reversing required and therefore sounds of the squawker
- Fixed plant to be located at locations where buildings will block direct line of sight to residential receivers and enclosed by noise blankets where safe to do so
- Direct noise-emitting plant away from sensitive receivers where practicable.
- When loading material into dump trucks, minimise the height material is dropped from.

Name	Tristan Ferris	Signature		Date	18/03/21
<b>2. Endorsement by Environmental Representative &amp; Acoustic Advisor</b>					
Note: To be completed where the requirements of Condition E37 are proposed to be varied.					
ER		Signature		Date	19/03/2021
Name	JOSEPH CACDAC				
AA		Signature		Date	19/03/21
Name	Beau Weyers				
<b>3. Community</b>					
<input checked="" type="checkbox"/> Noise affected receivers has been notified of OOHV in accordance with EPL Condition L4.11 (inc. not less than 5 cal. days and not more than 14 cal. days before the works are to be undertaken)					
<input checked="" type="checkbox"/> For works on 'Eat Street' – Evidence that consultation has been undertaken with affected businesses					
Name	Anne Learmonth	Signature		Date	
<b>4. Works Manager / SPE</b>					
Name		Signature		Date	

5. Onsite Supervisor – Foreman / Leading Hand					
Name		Signature		Date	
6. Traffic (only if ROL is required)					
Name		Signature		Date	

**PERMIT SURRENDER**

1. Project Engineer					
Summary of activities – noting any complaints, any works which were not completed					
Name		Signature		Date	
2. Environmental Manager					
Name		Signature		Date	

**Predicted exceedance of noise criteria, Day (standard hours) (area 1 of 1)**

**Predicted exceedance of noise criteria, Day (out of hours) (area 1 of 1)**



**Predicted exceedance of noise criteria, Evening (area 1 of 1)**

**Predicted exceedance of noise criteria, Night (area 1 of 1)**

# Air Noise Environment Pty Ltd

Level 6, 69 Reservoir Road  
Surry Hills  
NSW 2010  
T: 02 8217 0706  
E: [nsw@ane.com.au](mailto:nsw@ane.com.au)

ACN 081 834 513  
ABN 13 081 834 513



Attention: Transport for NSW (PLR)

Ref: 5518\_PLR1INF-OOHW A2\_089 (Phillip St Track Install)\_AA\_Endorsement\_19Mar2021  
19 March 2021

## **RE: PLR1INF-CPBD (OOHW A2\_089 - Phillip St Track Install) Adequacy for Submission (AA Review)**

Beau Weyers, BEng(Mech), MAAS, RPEQ 09343, appointed Acoustic Advisor (AA), reviewed the following documentation with regard to the PLR – Stage 1 project:

Title:	Document Reference:	Version Status	Review Date
Calculation scenario: Phillip Street Track Installation - Typical Construction Impacts (2) (Gatewave ID 1484) Parramatta Light Rail - Noise and vibration assessment report Parramatta Light Rail – Stage 1, Infrastructure Contract	2021-03-18_TK528-10 Phillip Street Track Installation - Typical Construction Impacts (2) - ID 1484.docx	18-03-21	19-03-2021

Pursuant to the requirements of the Conditions of Approval for the CSSI-8285, including A29(e), the CNVIS documents identified above have been reviewed by the AA for consistency with the CNVS and requirements of the CoA and EPL (Environmental Protection Licence – 21347, 3-Jan-2020).

The review confirms the documents have incorporated the recommendations and changes requested by the AA, in ensuring the documents meet the acoustic requirements of the Terms of Approval (NSW Government – Infrastructure Approval (Application No.: SSI 8285)), requirements of the EPL, as well as best practice methodologies for acoustics.

Yours sincerely  
for Air Noise Environment Pty Ltd  
Beau Weyers BE(Mech), MAAS, RPEQ  
Senior Environmental Engineer

*Note: All professional advice provided by Air Noise Environment, including any information contained in this letter, is subject to the terms of the Disclaimer shown on our website at [www.ane.com.au/disclaimer.html](http://www.ane.com.au/disclaimer.html)*







## **Annexure D Eat Street Consultation Report**



# **EAT STREET CONSULTATION REPORT**

**EXTENDED INTERSECTION OUT OF HOURS  
WORKS**

**Parramatta**  
Connect

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<b>Project number</b>	<b>N81080</b>
<b>Document number</b>	PLR1INF-CPBD-ALL-CG-RPT-000005
<b>Date</b>	18 March 2021
<b>Version:</b>	1

<b>Rev.</b>	<b>Date</b>	<b>Prepared By</b>	<b>Reviewed By</b>	<b>Approved By</b>	<b>Remarks</b>
0	16/03/2021	Michelle Femia	Denise Corish	Anne Learmonth	Nil
1	18/03/2021	Michelle Femia	Denise Corish	Anne Learmonth	Nil



# 1. Introduction

## 1.1 Background

Parramatta Light Rail is one of the NSW Government's major infrastructure projects being delivered to serve a growing Sydney.

Parramatta Light Rail Stage 1 ('Stage 1') will connect Westmead to Carlingford via Parramatta Central Business District (CBD) and Camellia. Stage 1 is expected to be operational in 2023.

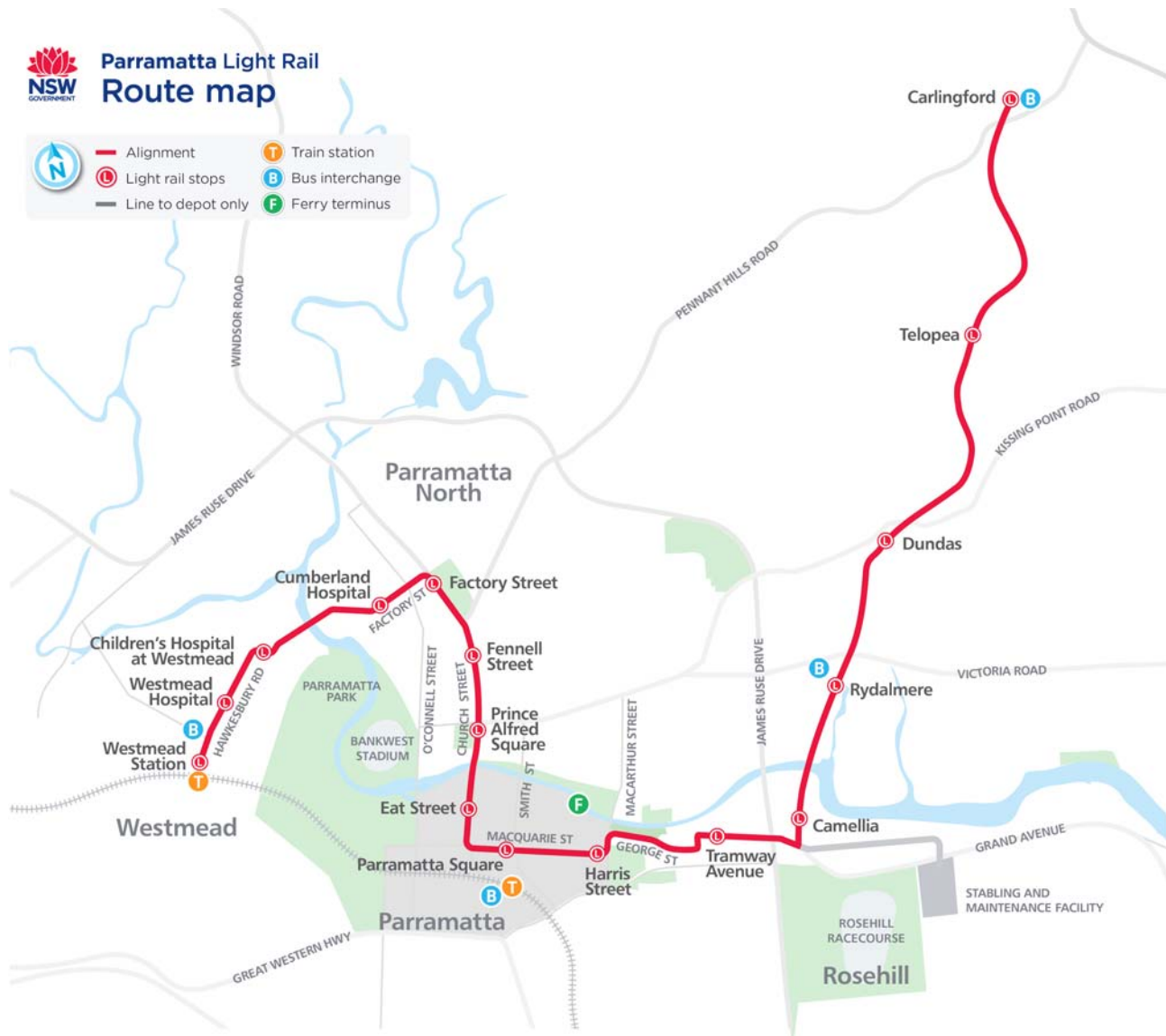
Stage 1 will create new communities, connect great places and help both local residents and visitors move around and explore what the region has to offer. The route will link Parramatta's CBD and train station to a number of key locations, including the Westmead Precinct, the Parramatta North Growth Centre, the new Western Sydney Stadium, the Camellia Town Centre, the new Powerhouse Museum and Riverside Theatre arts and cultural precinct, the private and social housing redevelopment at Telopea, the Rosehill Gardens Racecourse and the three Western Sydney University campuses.

In summary, the key features of Stage 1 include:

- A new dual track light rail network of approximately twelve (12) kilometres in length, including approximately seven (7) kilometres within the existing road corridor and approximately five (5) kilometres within the existing Carlingford Line and Sandown Line, replacing current heavy rail services
- Sixteen (16) stops that are fully accessible and integrated into the urban environment including a terminus stop at each end of Westmead and Carlingford
- High frequency 'turn-up-and-go' services operating seven days a week from 5am to 1am. Weekday services will operate approximately every 7.5 minutes in the peak period between 7am and 7pm
- Modern and comfortable air-conditioned light rail vehicles, nominally 45 metres long and driver-operated, each carrying up to 300 passengers.
- Intermodal interchanges with existing public transport services at Westmead terminus, Parramatta CBD and the Carlingford terminus
- Creation of two light rail and pedestrian zones (no general vehicle access) within the Parramatta CBD along Church Street (generally between Market Street and Macquarie Street) and along Macquarie Street (generally between Horwood Place and Smith Street)
- A Stabling and Maintenance (SaM) Facility located in Camellia for light rail vehicles to be stabled, cleaned and maintained
- New bridge structures along the alignment including over James Ruse Drive and Clay Cliff Creek, Parramatta River (near the Cumberland Hospital), Kissing Point Road and Vineyard Creek, Rydalmere
- Alterations to the existing road network including line marking, additional traffic lanes and turning lanes, new traffic signals, and changes to traffic flows
- Relocation and protection of existing utilities

- Public domain and urban design work along the corridor and at Stop precincts
- Closure of the heavy rail line between Carlingford and Clyde
- Active transport corridors and additional urban design features along sections of the alignment and within Stop precincts
- Integration with the Opal Electronic Ticketing System (ETS)
- Real time information in light rail vehicles and at Stops via visual displays and audio.

An overview of Parramatta Light Rail Stage 1 route is shown in Figure 1-1.



**Figure 1-1 Parramatta Light Rail Stage 1 Route**

The Parramatta Light Rail is subject to environmental impact assessment under the Environmental Planning and Assessment Act 1979 (EP&A Act). It is classified as Critical State Significant Infrastructure (CSSI). The EIS assessed impacts for Parramatta Light Rail Stage 1 (Westmead to Carlingford). This covered the light rail and associated works including road enabling work.



Stage 1 received Infrastructure Approval from the Minister for Planning under Section 5.19 of the EP&A Act on 29 May 2018 (Critical State Significant Infrastructure Application SSI-8285), subject to the conditions provided in the Instrument of Approval, specifically Schedule B – Ministerial Conditions of Approval.

The Infrastructure Approval was subsequently modified under Section 5.25 of the EP&A Act on 21 December 2018 and 25 January 2019.

The planning approval, modifications and related environmental assessment documents are located at: [http://majorprojects.planning.nsw.gov.au/index.pl?action=view\\_job&job\\_id=8285](http://majorprojects.planning.nsw.gov.au/index.pl?action=view_job&job_id=8285).

### 1.2.3 Stage 1 Delivery Strategy

Delivery of Stage 1 is achieved through the following five packages of work:

- **Enabling Works** (Package 1) – Local road network improvements including O’Connell Street and George Street (off-alignment)
- **Westmead Precinct Works** (Package 2) – Hawkesbury Road widening and demolition at Cumberland Hospital (east and west Campus)
- **Early Works** (Package 3) – Remediation of the Stabling and Maintenance (SaM) Facility
- **Infrastructure Works (Package 4) (the subject of this Report)** – Design and construction of civil works, public domain and light rail infrastructure up to road level/top of rail and to the top of the concrete slab at stops, including provision of utility services (excluding high-voltage power supply and cabling for rail systems), and decommissioning of the T6 Carlingford Line)
- **Supply, Operate and Maintain Works** (Package 5) – Design and construction of the light rail systems, high-voltage power supply and stops above slab level, the supply of light rail vehicles, and the design and construction of the SaM Facility, including all light rail operations, customer service and asset management.

Each package of work is to be delivered under separate contracts on behalf of the proponent Transport for NSW (TfNSW). While the packages will commence at different times under separate construction approvals, there will be periods during which the package works will overlap. The interactions between the packages are shown in **Figure 1-2**.

Parramatta Connect (the CPB Contractors and Downer EDI Works Joint Venture) has been engaged to deliver the Infrastructure Works (Package 4). For construction, the Infrastructure Works are divided into portions and sub-portions which are shown in **Figure 1-3**.



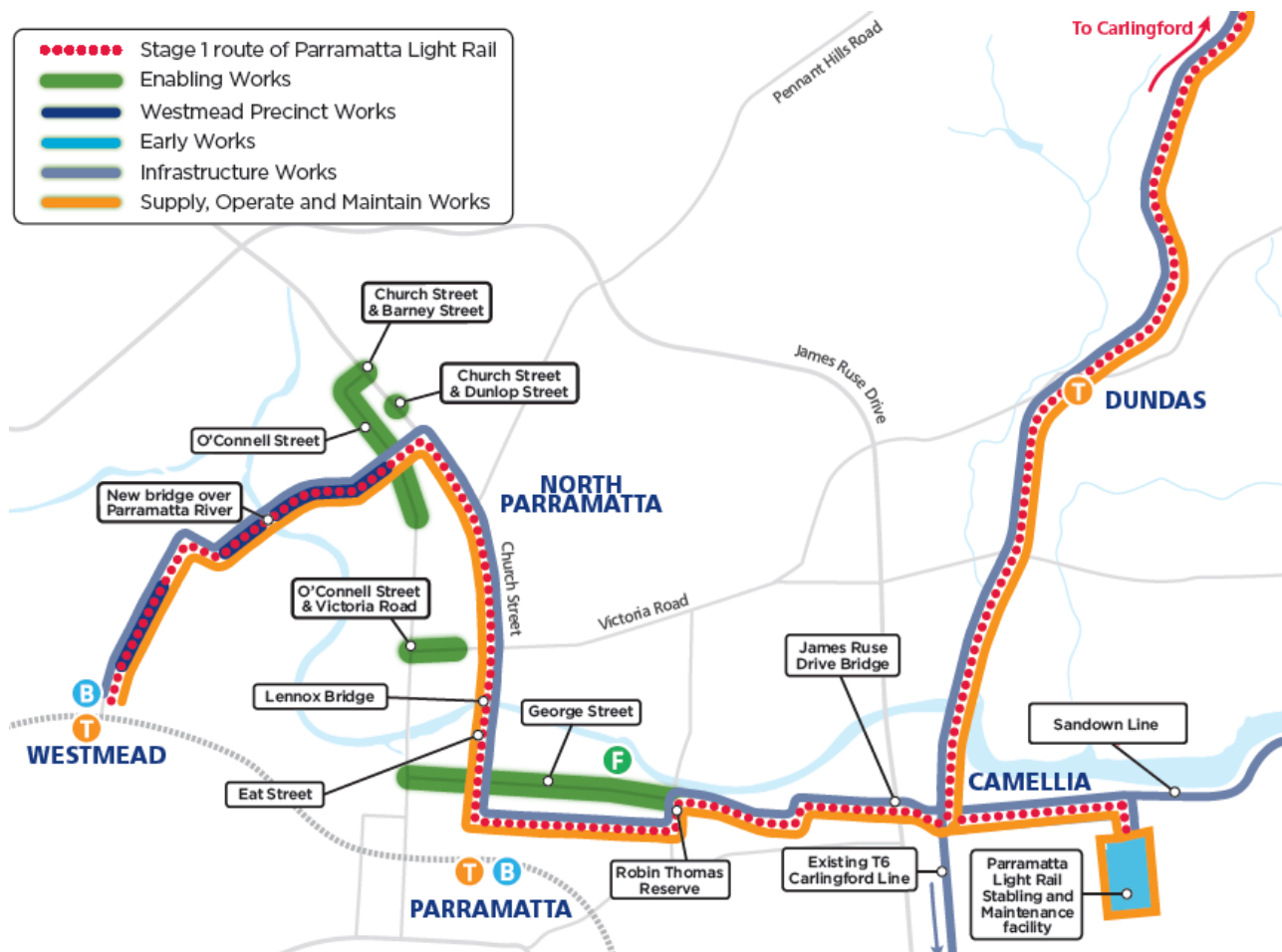


Figure 1-2 Parramatta Light Rail Stage 1 Delivery Strategy

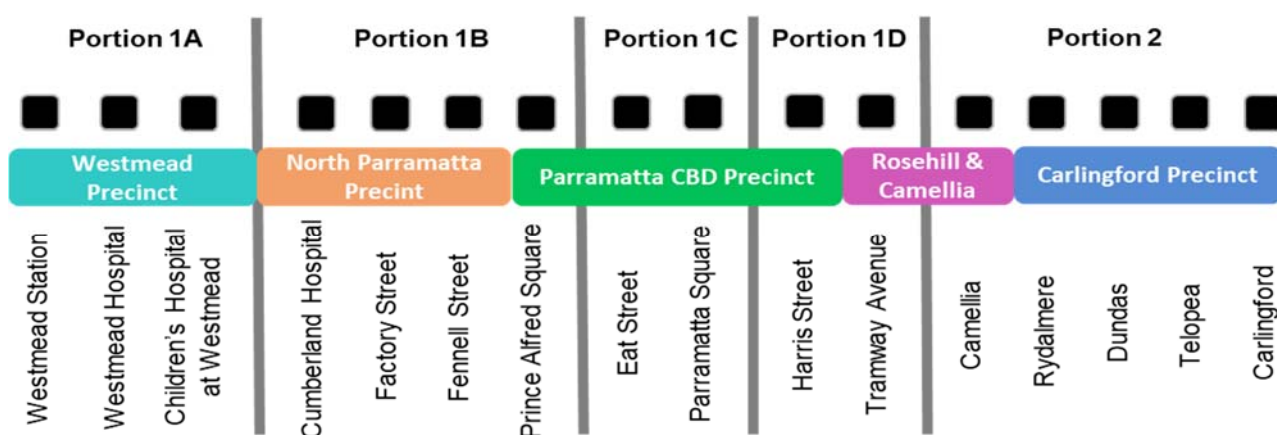


Figure 1-3 Infrastructure Works Portions, Precincts and Stations





## 1.2 Scope of this report

A key stage of Light Rail construction is the installation of the track slab and associated services within the road reserve. For the majority of Church Street, Parramatta, these works are undertaken within closed sections of road and can therefore largely be carried out during standard hours. However, the works at the Church Street intersections require road closures and therefore a Road Occupancy Licence.

During school holiday periods, extended Road Occupancy Licences are granted by the road authority due to the reduction in traffic volumes and reduced impact to the traffic network. It is proposed to leverage the extended Road Occupancy Licences to complete crucial track slab installation works at the intersection of Church Street and Phillip Street in the April 2021 school holidays.

Completing these works within the 'business as usual' scenario – utilising limited weekend Road Occupancy Licences – would require at least 26 weekends of night works for each intersection. In comparison, by leveraging the extended Road Occupancy Licence, the works and associated impacts can be reduced to 2.5 weeks.

In accordance with the Environment Protection Licence (EPL 21347), a variation has been sought from the NSW Environment Protection Authority (EPA) to enable extended Out of Hours Works (OOHW) at the intersection of Church Street and Phillip Street between 1 April and 19 April 2021 (Extended Intersection OOHW). In response, the EPA have provided draft conditions for discussion.

To demonstrate compliance with the Infrastructure Approval, consultation has been undertaken on the Extended Intersection OOHW with the affected receivers, including residents and businesses.



## 2. Reporting Requirements

This report is prepared in accordance with the Infrastructure Approval and specifically Conditions E24, E37 and E39 as detailed below.

Condition E24 states:

*Construction outside the hours identified in Condition E21 along 'Eat Street' must be established through consultation with affected businesses as outlined in the Business Activation Plan required by Condition E110.*

Condition E37 states:

*Where works are undertaken outside hours specific in Condition E21 and E22 and construction noise levels exceed 65 dB(A) LAeq (15 mins) at the façade of the building of a residential receiver, the Proponent must only work 4 nights in any 7 day period. The 4 nights worked must be informed by community consultation referenced in Condition E39.*

*Outcomes of the community consultation, the identified works and respite periods and the scheduling of the likely out-of-hour works must be provided to the AA, ER and the Secretary for information.*

*Relocation of work following 4 nights of works in any 7 day period must be sufficiently removed so as to provide clear respite of 3 days. Works in areas of respite must be subject to noise levels of no more than 5 dB(A) above the rating background level at any residence in accordance with the Interim Construction Noise Guideline (DECC, 2009).*

*The requirements of this condition may be varied with the approval of the Secretary following the Secretary's review of community consultation outcomes, construction noise and vibration impacts and the implementation of noise management and mitigation measures.*

Condition E39 states:

*In order to undertake out-of-hours work described in Condition E25(c) and (d), the Proponent must identify appropriate work and respite periods for the works in consultation with the community at each affected precinct at three monthly intervals. This consultation must be ongoing and include (but not be limited to) providing the community with:*

- (a) a schedule of likely out-of-hours work for a period of no less than two (2) months for medium to high risk work (as defined in the Out-of-Hours Work Protocol (Condition E28));*
- (b) a schedule of likely out-of-hours work for a period of no less than seven (7) days for low risk work (as defined in the Out-of-Hours Work Protocol (Condition E28));*
- (c) the potential works, location and duration;*
- (d) the noise characteristics and likely noise levels of the works; and*
- (e) likely mitigation and management measures.*

*The Proponent shall consider and respond to the affected community's preference for alternative hours and/or durations.*

*The outcomes of the community consultation, the identified respite periods and the scheduling of the likely out-of-hour works must be provided to the AA, ER and the Secretary.*



## 3. Community Consultation

This section details the channels of communication used by Parramatta Connect to consult with stakeholders on the Extended Intersection OOHV program.

### 3.1 Bi-Monthly Community Notification

There are currently three formal notifications in place to notify Church Street and general CBD stakeholders, residents and businesses about works in Church Street. Reflecting the requirements of Condition E39, all notifications included information on:

- where and when the work will take place
- what to expect
- how Parramatta Connect will minimise the impact of noise and vibration
- how stakeholders can contact Parramatta Connect to find out more about the project, discuss preferences for work hours and make complaints
- where to access the weekly works schedule.

### 3.2 Face-to-Face Consultation (Door Knocks)

A comprehensive door knock campaign was undertaken by Parramatta Connect in March 2021 to request feedback on the Extended Intersection OOHV. The door knock distribution area was informed by the Construction Noise and Vibration Report which identified 104 properties that are predicted to experience construction noise levels greater than 6dBA above the Noise Management Level (NML) (Figure 3.1).

Reflecting the requirements of Condition E39, stakeholders were provided with information on the nature of the works, noise and vibration mitigations measures and the proposed schedule. Stakeholders were also given the opportunity to discuss preferences for alternative hours and/or durations.



**Figure 3.1 Door Knock Distribution Area**



## 3.4 Door Slips

Where stakeholders were not available during the face-to-face consultation or a door slip was provided (**Appendix A-1**). The door slip details the nature of the works, measure to minimise the impact of noise and vibration and contact details to provide feedback on work hour preferences.

It is noted that the Meriton Suites are not directly accessible to the public. As such, consultation was undertaken with the Building Management who distributed the door slip to all residents via the resident portal. This method ensures that the residents receive the information relating to the works and are provided with an opportunity to discuss their preferences for alternative hours and/or durations.





## 4. Consultation Outcomes

### 4.1 Face-to-Face Consultation (Doorknock)

Parramatta Connect directly consulted with 66 stakeholders of which **94%** had no objection to the Extended Intersection OOHV.

As detailed in **Appendix A-2**, of the 104 stakeholders who were door knocked:

- 62 stakeholders had no objection
- 4 stakeholders objected
- 15 stakeholders were unavailable during the door knock and no response has been received to date to the door slip
- 23 businesses are currently vacant.

#### Information provided

Stakeholders were provided with the following additional information regarding the works program, where applicable to the enquiry:

- Due to the nature of utility relocation works, safety risks and impacts to traffic, high noise activities are unavoidable at night
- Duration of night work schedules including mitigation nights, scheduling of noisy works, link to weekly works schedule
- Explanation of the work being undertaken
- Explanation of the plant and equipment being used
- Explanation of Parramatta Connect Construction Noise and Vibration Management Sub-plan, noise modelling and noise monitoring.

Additionally, feedback was requested on the mitigation measures already implemented for suitability and effectiveness.

Most respondents were satisfied with the information provided and were supportive of the duration reduction.

#### Program changes

While the consultation did not identify specific preferences on the works schedule, Parramatta Connect are collaborating with BankWest stadium to minimise impacts. Specifically, during scheduled events on 11 April and 16 April 2021, the works would be limited to low noise activities between the hours of 6:00pm and 12:00am to minimise impact on adjacent restaurants.

In addition, during the weekends of 9/10 April and 16/17 April 2021, works between the hours of 6:00pm and 12:00am on Friday and Saturday will be limited to low noise activities where practicable. Due to the staging of works, with the first activity being the removal of the existing pavement, this is not possible on the first weekend of the proposed shutdown 2/3 April 2021.

# Appendices

## A-1 Door Slip (Business)

Parramatta Light Rail

### Sorry we missed you...



Dear Business Stakeholder

11 March 2021

Parramatta Connect would like to speak with you about the upcoming intersection closure at Church and Phillip Streets between Freemason Arms Lane and Phillip Lane to support future track work. We plan to close the intersection from 7pm Thursday 1 April to 7am Monday 19 April 2021 with works occurring during standard construction hours and out of hours. Closure of the intersection during the April school holidays is timed to take advantage of lower traffic volumes. Parramatta Connect is planning the two-week closure to avoid up to 10 consecutive weekends of night works to deliver the works.

The works will focus on the installation of the light rail track and include removal of existing pavement, excavation of existing road, services installation, concrete pours, track installation and road reinstatement.

Temporary pedestrian and traffic control will be in place as needed to ensure traffic and pedestrians can move safely around the work zone.

We appreciate this work will be impactful and in addition to standard noise control measures of noise blankets and using low noise plant and equipment, the following controls will be implemented to minimise impacts:

- Schedule highly noise intensive works to occur during standard hours or 12am to 8am where practicable
- Adhere to respite requirements whereby highly noise intensive works would be limited to a maximum continuous period of three hours followed by one hour of respite
- Collaborate with BankWest stadium - during scheduled events on 11 April 2021 and 16 April 2021, the works would be limited to low noise activities between the hours of 6:00pm and 12:00am to minimise impact on the events and restaurants.
- During the weekends of 9/10 April 2021 and 16/17 April 2021, works between the hours of 6:00pm and 12:00am will be limited to low noise activities where practicable.

Thank you for your patience as we continue to work to construct Parramatta Light Rail.

Please call 1800 139 389 or email [parramattalightrail@pcplr.com.au](mailto:parramattalightrail@pcplr.com.au) if you have any preferences for alternative hours or durations.

11/02/2021

Work location



To learn more about the Parramatta Light Rail project, please call our community information line on 1800 139 389, email us at [parramattalightrail@transport.nsw.gov.au](mailto:parramattalightrail@transport.nsw.gov.au) or visit [www.parramattalightrail.nsw.gov.au](http://www.parramattalightrail.nsw.gov.au).

11/02/2021

<p><b>Translating and Interpreting Services</b> If you require the services of an interpreter, please contact the Translating and Interpreting Service (TIS National) on 131 450 and ask to speak to the Parramatta Light Rail team on 1800 139 389.</p> <p>Arabic إذا كنت بحاجة إلى مترجم أو فني اتصال بلغة العربية، يرجى الاتصال بخدمات الترجمة والتفسير الوطنية (TIS National) على الرقم 131 450 وطلب منهم الاتصال بفريق Parramatta Light Rail على الرقم 1800 139 389.</p>	<p><b>Traditional Chinese</b> 如您需要翻譯和口譯服務，請致電國家翻譯和口譯服務中心 (TIS National)，並向其索取有關 Parramatta Light Rail 的資料，電話：1800 139 389。</p> <p><b>Simplified Chinese</b> 如您需要翻译和口译服务，请致电国家翻译和口译服务中心 (TIS National)，并向其索取有关 Parramatta Light Rail 的资料，电话：1800 139 389。</p>	<p><b>Hindi</b> यदि आपको गवर्नर ऑफ़ न्यू साउथ वेल्स में पारामेट्टा लाइट रेल के बारे में जानकारी चाहिए तो 131 450 पर कॉल करें और 1800 139 389 पर बात करें।</p> <p><b>Korean</b> 한국어로 통역과 통역 서비스를 필요로 하시면 131 450로 전화 또는 통역 서비스를 필요로 하시면 1800 139 389로 문의하십시오.</p>
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## A-2 Door Slip (Residence)

Parramatta Light Rail

### Sorry we missed you...



Dear Resident,

11 March 2021

Parramatta Connect would like to speak with you about the upcoming intersection closure at Church and Phillip Streets between Freemason Arms Lane and Phillip Lane to support future track work. We plan to close the intersection from 7pm Thursday 1 April to 7am Monday 19 April 2021 with works occurring during standard construction hours and out of hours. Closure of the intersection during the April school holidays is timed to take advantage of lower traffic volumes. Parramatta Connect is planning the two-week closure to avoid up to 10 consecutive weekends of night works to deliver the works.

The works will focus on the installation of the light rail track and include removal of existing pavement, excavation of existing road, services installation, concrete pours, track installation and road reinstatement.

Temporary pedestrian and traffic control will be in place as needed to ensure traffic and pedestrians can move safely around the work zone.

We appreciate this work will be impactful and in addition to standard noise control measures of noise blankets and using low noise plant and equipment, the following controls will be implemented to minimise impacts:

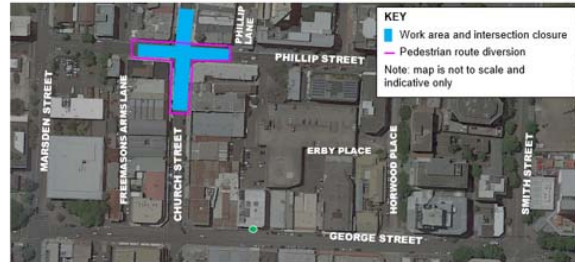
- Schedule highly noise intensive works to occur during standard hours or 12am to 8am where practicable
- Adhere to respite requirements whereby highly noise intensive works would be limited to a maximum continuous period of three hours followed by one hour of respite
- Collaborate with BankWest stadium – during scheduled events on 11 April 2021 and 16 April 2021, the works would be limited to low noise activities between the hours of 6:00pm and 12:00am to minimise impact on the events and restaurants.
- During the weekends of 9/10 April 2021 and 16/17 April 2021, works between the hours of 6:00pm and 12:00am will be limited to low noise activities where practicable.

Thank you for your patience as we continue to work to construct Parramatta Light Rail.

Please call 1800 139 389 or email [parramattalightrail@pcplr.com.au](mailto:parramattalightrail@pcplr.com.au) if you have any preferences for alternative hours or durations.

1800139

Work location



To learn more about the Parramatta Light Rail project, please call our community information line on 1800 139 389, email us at [parramattalightrail@transport.nsw.gov.au](mailto:parramattalightrail@transport.nsw.gov.au) or visit [www.parramattalightrail.nsw.gov.au](http://www.parramattalightrail.nsw.gov.au).

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**Available:**  
In Arabic, Bengali, Cantonese, English, Hindi, Indonesian, Italian, Japanese, Korean, Mandarin, Vietnamese, Urdu, and other languages.  
1800 139 389 or visit [www.tisnsw.com.au](http://www.tisnsw.com.au) for more information.

**Traditional Chinese**  
1800 139 389 or visit [www.tisnsw.com.au](http://www.tisnsw.com.au) for more information.  
1800 139 389 or visit [www.tisnsw.com.au](http://www.tisnsw.com.au) for more information.

**Simplified Chinese**  
1800 139 389 or visit [www.tisnsw.com.au](http://www.tisnsw.com.au) for more information.  
1800 139 389 or visit [www.tisnsw.com.au](http://www.tisnsw.com.au) for more information.

**Hindi**  
1800 139 389 or visit [www.tisnsw.com.au](http://www.tisnsw.com.au) for more information.  
1800 139 389 or visit [www.tisnsw.com.au](http://www.tisnsw.com.au) for more information.

**Korean**  
1800 139 389 or visit [www.tisnsw.com.au](http://www.tisnsw.com.au) for more information.  
1800 139 389 or visit [www.tisnsw.com.au](http://www.tisnsw.com.au) for more information.





## A-3 Door Knock Consultation Feedback

Name	Address	Feedback
Altitude Apartments (Meriton)	330-338 Church Street	Left notification and invited feedback – no response
Meriton Suites (Residential)	330-338 Church Street	Left notification and invited feedback – no response
Mindchamps Early Learning Centre (Meriton Suites)	Level 4, 330-338 Church Street	Left notification and invited feedback – no response
River Café	Shop 9, 330 Church Street	No objection
Holy Basil	Shop 5, 330 Church Street	No objection
The Meat and Wine Co	Shop 6-7, 330 Church Street	No objection
Ginza Izakaya	Shop 8, 330 Church Street	No objection
Alex and Co	Shop 2-4, 330 Church Street	No objection
Bay Vista Dessert Bar and Café	Shop 1, 330 Church Street	Objection – Business owner would prefer no OOHW during school holidays
El-Phoenician Restaurant	328 Church Street	Objection
Bondi Pizza	320 Church Street	No objection
John Belvedere Burgers	318 Church Street	Left notification and invited feedback – no response
VACANT	316 Church Street	Vacant premises
The Souvlucky Country	316 Church Street	Left notification and invited feedback – no response
Amanda's Thai Therapy Remedial Massage and Thai Massage	Level 1, 314 Church Street	Left notification and invited feedback – no response
ISEMS	314 Church Street	No objection
Madina Rejuvenation Clinic	Level 1, 316A Church Street	Left notification and invited feedback – no response
Ya Malaysia	312 Church Street	Left notification and invited feedback – no response



Name	Address	Feedback
VACANT	310 Church Street	Vacant premises
VACANT	308 Church Street	Vacant premises
VACANT	306 Church Street	Vacant premises
The Lennox	333 Church Street	No objection
EQ Projects	331 Church Street	Vacant premises
Blue Mist Café	329 Church Street	Vacant premises
Hot Star Chicken & Gong Cha	327 Church Street	No objection
VACANT	Level 1, 327 Church Street	Vacant premises
Itihass Indian Restaurant	325 Church Street	Left notification and invited feedback – no response
Momozz Asian Restaurant	323 Church Street	Left notification and invited feedback – no response
Xpress Mart	323 Church Street	No objection
VACANT	Level 1, 323 Church Street	Vacant premises
VACANT	321 Church Street	Vacant premises
Parramatta Ink	319 Church Street	No objection
Restaurant 317	317 Church Street	No objection
Amine Taxation Services	Level 1, 313 Church Street	No objection
VACANT	Level 1, 315 Church Street	Vacant premises
Volcano's Steakhouse	311 Church Street	No objection
The Crown Hotel	295 Church Street	No objection
Mama and Papas	295 Church Street	No objection
VACANT	293 Church Street	Vacant premises
CRINITIS- this business has now closed permanently	291 Church Street	Vacant premises
San Churro	287 Church Street	No objection



Name	Address	Feedback
Mad Mex	285 Church Street	Vacant premises
Coco Cubano	302 Church Street	No objection
DK's Shawarma and Burgers	1/302 Church Street	Vacant premises
Cash Converters	298 - 300 Church Street	No objection
Sicilian	292 Church Street	Vacant premises
VACANT	286-290 Church Street	Vacant premises
Sonic Health Plus Parramatta	Suite 1, 286 - 290 Church Street	No objection
VACANT	286 - 290 Church Street	Vacant premises
Hairdresser	Shop 3, 286 Church Street	No objection
Yogurtberry	284 Church Street	Vacant premises
My Hung Fabric Fashion	282 Church Street	No objection
Mance Arraj Engineering	Level 1, 278-282 Church Street	No objection
TAB	278 Church Street	No objection
Valore Cellars	272 Church Street	No objection
VACANT	272-276 Church Street	Vacant premises
Westpac Bank	Cnr Church Street and George Street	Left notification and invited feedback – no response
Gelato Messina	283 Church Street	No objection
Thai La-Ong	279-281 Church Street	No objection
Lao Der Lao & Thai Cuisine	277b Church Street	Vacant premises
Brades Burgers	277 Church Street	No objection
Xtend Barre	Level 1, 277 Church Street	No objection
VACANT- Sushi Mata	275 Church Street	No objection
Bella Hair and Beauty Studio	273 Church Street	No objection
Domino's Pizza	269 Church Street	No objection
QED Education	Level 1, 269 Church Street	No objection



Name	Address	Feedback
JB Hasham Tailoring	267 Church Street	No objection
Cure Massage	Level 1, 267 Church Street	No objection
VACANT	263 Church Street	Vacant premises
VACANT	Level 1, 263 Church Street	Vacant premises
Just Cakes	261 Church Street	No objection
Laing + Simmons	259 Church Street	No objection
Drum Factory (Western Sydney Music Academy)	257 Church Street	No objection
Drum Factory	Level 1, 255 Church Street	No objection
Guitar Factory	255 Church Street	No objection
Xpress Mart	253 Church Street	No objection
Chemist Warehouse	251 Church Street	No objection
Dot's Flower Shoppe	249 Church Street	Left notification and invited feedback – no response
Advance Accounting & Taxation Services	Suite 1, 247 Church Street	No objection
SCL Criminal & Family Lawyers	Suite 2, 247 Church Street	Left notification and invited feedback – no response
VACANT	Suite 3, 4 , 7/247 Church Street	Vacant premises
Simplifi	Suite 5, 247 Church Street	No objection
Clement Art School	Suite 6, 247 Church Street	Left notification and invited feedback – no response
Absolutely Fabulous Voices	Suite 8, 247 Church Street	No objection
Red Cross Shop	245 Church Street	Vacant premises
Subway	243 Church Street	No objection
Mr Phillips Coffee House	17 Phillip Street (west of Church St)	Left notification and invited feedback – no response
The Lash Project	11 Phillip Street	No objection
Gold Star Barbers	11 Phillip Street	No objection



Name	Address	Feedback
Tran's Eatery and Café	11 Phillip Street	No objection
Gyros Wraps and Salad Bowls	11 Phillip Street	No objection
Tara Thai Massage	18a Phillip Street	Objection – The business noted that the proposed work was 'no good for business'
Kouzina Greco	16 Phillip Street	Objection – The business objected initially but then noted to 'get it done quickly'.
Rio Brazillian Steakhouse	2a Phillip Street	No objection
Xpress Mart	2a Phillip Street	No objection
Alpha Sushi	35/37 Phillip Street	No objection
Hair by Phd	35/37 Phillip Street	No objection
Pho Mai	41 Phillip Street	No objection
The Coffee Emporium	51 Phillip Street	No objection
New Generation Hair Regrow & Replace	55 Phillip Street	Left notification and invited feedback – no response
Nutrition Statement	55 Phillip Street	No objection
Park Royal Parramatta	30 Phillip Street	No objection
Underwood Jewellers	28 Phillip Street	No objection
Museum Garden	346 Church Street	Left notification and invited feedback – no response