PSF OUT-OF-HOURS WORK PERMIT

(For works conducted under DPIE approval)

Permit No.	008	**Application Date**	09/12/2020
Revision No.	01	**Revision Date**	18/12/2020
Summary of Update (details of revision)	0	Initial application to allow works outside standard construction hours	
	1	Revised to incorporate DPIE comments	
Title of Works	Sydenham Road trenching and conduit installation		
Person Requesting OOHW	Colin O'Mahony		

1.0 - JUSTIFICATION	
Justification for OOHW	Road Occupancy Licence (ROL) prevents works from occurring within standard construction hours.
DPIE Condition under which works are permitted	*Include additional details if required*
	The work is permitted under the following clause of DPIE Condition of Approval: **E4 (c): Linear infrastructure – Works in classified road reserves and signalised intersections.** **E6 (c): works approved under an Out-of-Hours Work Protocol**

2.0 – DESCRIPTION OF THE WORKS		
Details of Work ☒ Map attached at end of form	Location & Chainage	CH15075 Centennial St to CH15200 on Neville St, along Sydenham Road.
	Description of works	Trenching, conduit installation and road restoration.
	Proposed dates + time (incl contingency)	Start: 22/01/2021 @ 20:00 Finish: 30/04/2021 @ 05:00 – up to 34 shifts in this period* *This includes contingency.

2.0 – DESCRIPTION OF THE WORKS

(showing location / work extent / nearest sensitive receivers / landscape)

Proposed Timings

e.g. Max four nights consecutive per week during the proposed dates from 20:00 to 05:00.

eg	Night 1	Night 2	Night 3	Night 4	Night 5	Night 6	Night 7
1	High impact noise. Saw cutting Concrete/asphalt breakout Excavation to carry out investigations. Temp restorations (Plates if required)	High impact noise. Saw cutting Concrete/asphalt breakout Excavation Conduit install Temp restorations (Plates if required)	Moderate impact noise. Excavation Conduit install TSB backfill Temp restorations (Plates if required)	Moderate impact noise. Excavation Conduit install TSB backfill Temp restorations (Plates if required)	**Respite**	**Respite**	**Respite**

Details on any concurrent construction activities being undertaken OOWH adjacent / in close proximity to the proposed works?	N/A
Names of Foremen supervising the work	TBC
Subcontractor Details	Garde Services Durkin Locators

3.0 – SENSITIVE RECEIVERS

Distance to Nearest Sensitive Noise Receiver	**Sensitive Receiver**	**Distance**	**Sensitive Receiver**	**Distance**
	☐ Place of Worship		☐ Educational Institution (inc. Child Care Centres	
	☐ N+V Sensitive Business and critical working area (eg. theatre, health services)		☒ Nearest Residential Receiver	8m
	☐ Not applicable (no sensitive receivers impacted)			
	Where one of the above is checked, noise generating works must not be timetabled within sensitive periods, unless otherwise agreed with the affected receiver. This must be determined through ongoing consultation with the community in accordance with the Community Consultation Strategy.			

3.0 – SENSITIVE RECEIVERS	
	Has the sensitive receiver been consulted on these works and proposed respite options? (refer to CoA E9). List outcomes of consultation below ☒ Yes ☐ No
	Comments
	Refer Section 7 below and attached community consultation documentation
	Two rounds of community consultation have been conducted via notification distribution and doorknocking to inform this permit application. See attached. Further community notifications will be distributed 7 days ahead of works commencing. Individual briefings will be conducted for those requesting them or deemed highly sensitive by the Community Relations Manager. Project specific respite offers, for example movie tickets, may be offered to members of the community subjected to lengthy periods of noise or vibration. This will be determined on a case-by-case basis.

4.0 – PLANT & EQUIPMENT	
Plant and equipment to be used: List all plant and noise generating equipment to be used during the work activities (eg. hand tools, generators, crane etc)	13t Excavator & hammer 5t excavator Truck & dogs 8-wheeler bogie Concrete agitators Compaction equipment (Whackers, plate compactors) Smooth drum roller Light vehicles
Are alternative, quieter / less vibration intensive equipment options feasible for the activity? **If yes, why are these not being used?**	☐ Yes ☒ No

5.0 – TRAFFIC MANAGEMENT	
Will the work require traffic control?	☒ Yes ☐ No
Describe the location and nature of proposed disruption to traffic.	During trenching works, traffic will be maintained but diverted around the work site on Sydenham Road in contraflow. Traffic on side streets will be maintained via diversion.
List any ROLs for the works	Not yet issued by TMC.

6.0 – LIGHTING	
What lighting is to be provided for night work?	Daymakers Balloon lights
Will lighting be positioned minimise light spill to nearby receivers?(Refer AS4282-1997 and AS/NZ 1158).	☒ Yes ☐ No

7.0 – NOISE & VIBRATION ASSESSMENT

Reference:
NMC
Noise Objective
Noise Management Level (NML)
Sleep Disturbance Level (night only)
Predicted L_{max}/L_{A1}

NCA:	05		
Type of OOHW:	Trenching and conduit installation		
NML:	45		
SDL:	65		
Predicted:	85		

Acoustic Assessment to determine if works are above RBL +5dB(A) at closest receiver

☐ ● Below NML
☐ ○ <5dB(A) above NML – construction noise noticeable
☐ ◆ 5 to 15dB(A) above NML – construction noise clearly audible
☐ ■ >15 to 25dB(A) above NML – construction noise moderately intrusive
☒ □ >25dB(A) above NML – construction noise highly intrusive

What measures are being taken to reduce noise impacts

☐ No added measures
☒ Restrictive tools *(list)*
☒ Balloon lights
☒ Noise attenuation curtains
☒ High noise impact respite
☒ Other *(list)* – Notification and consultation on respite

Noise monitoring required?

☒ Yes – Compliance monitoring to be carried out within the first two shifts
☐ No

Nominated Verification monitoring location:

Worksite	NCA	Nominated receiver
Sydenham Road	NCA5	254 Sydenham Road (perimeter)

Are vibration impacts above Human Comfort levels expected?

☒ Yes
☐ No

Refer to OOH CNVIS Table 5

If yes, state number of properties expected to be impacted?

No. of properties: Barely noticeable – 10
Noticeable - 39

Is vibration monitoring required?

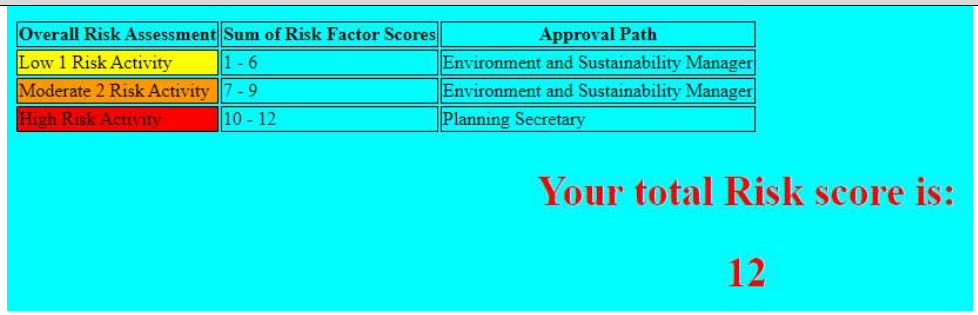
Refer to CNVMP/Monitoring Programme

☒ Yes – Compliance monitoring to be carried out within the first two shifts.
☐ No

Nominated Verification monitoring location:

Worksite	NCA	Nominated receiver
Sydenham Road	NCA5	254 Sydenham Road (perimeter)

7.0 – NOISE & VIBRATION ASSESSMENT	
Community notification required?	Yes. Community notifications will be undertaken as per the approved Community Communication Strategy (CCS), including; Consultation on preferred respite option Letters notifying of work activities to be delivered 7 days before. A door knock will be done for the sensitive receivers immediately adjacent to the works as per CNVMP.
Evidence of consultation and results	**Consultation documentation submitted with this application.** Summary of Results: 107 receivers consulted on preferred respite. 19 responses received. Of those expressing a preference, 59% favoured option 1, four consecutive nights per week, with three respite nights.

8.0 – OOHW RISK LEVEL ASSESSMENT	
Insert snip from Risk Level calculation sheet and attach worksheet separately **Low Risk (1-6)** **Moderate (7-9)** **High (10-12)** **Low and Moderate risk work may be approved by the ESM.** **High risk work must be approved by the Planning Secretary.**	 Risk level calculator worksheet attached with application. **Work to be approved by Planning Secretary as per CoA E8(e).**

Overall Risk Assessment	Sum of Risk Factor Scores	Approval Path
Low 1 Risk Activity	1 - 6	Environment and Sustainability Manager
Moderate 2 Risk Activity	7 - 9	Environment and Sustainability Manager
High Risk Activity	10 - 12	Planning Secretary

Your total Risk score is:

12

9.0 AUTHORISATION/SITE ACCEPTANCE

9.1 Environment & Sustainability Manager (Approval)

Approval Authority for works with Low or Medium Risk level on OOHW Risk Table as per section 8.0

I confirm these works have been appropriately assessed under the OOHW Protocol as per CoA E8 and E9.

The specified mitigation and management measures shall be implemented including:

No more than four consecutive nights of OOHW per week
Noise and vibration verification monitoring.
Installation of noise barriers around high impact works.
Respite 1hr for every 3hr of high impact noise.
No high impact work after midnight where practicable.
Selection of appropriate plant and equipment.
Individual community briefings ahead of works commencing, and during works, as required.
Project specific respite offers may be made for residents impacted by lengthy periods of works. To be determined on a case-by-case basis.

Name	Tom Spillane	**Signature**		**Date**	18/12/2020

9.2 Planning Secretary (Approval)

REQUIRED

Name		**Signature**		**Date**	

9.3 Construction Supervisor/Project Manager (Site Acceptance)

I confirm the following:

- OOH permit will be kept on site where work is occurring
- Respite and mitigation measures will be implemented
- Any changes to works which may affect this approval shall be communicated to the Environment and Community Manager

Name	David Coulter	**Signature**		**Date**	18/12/2020

Attachment – Map of Works Location

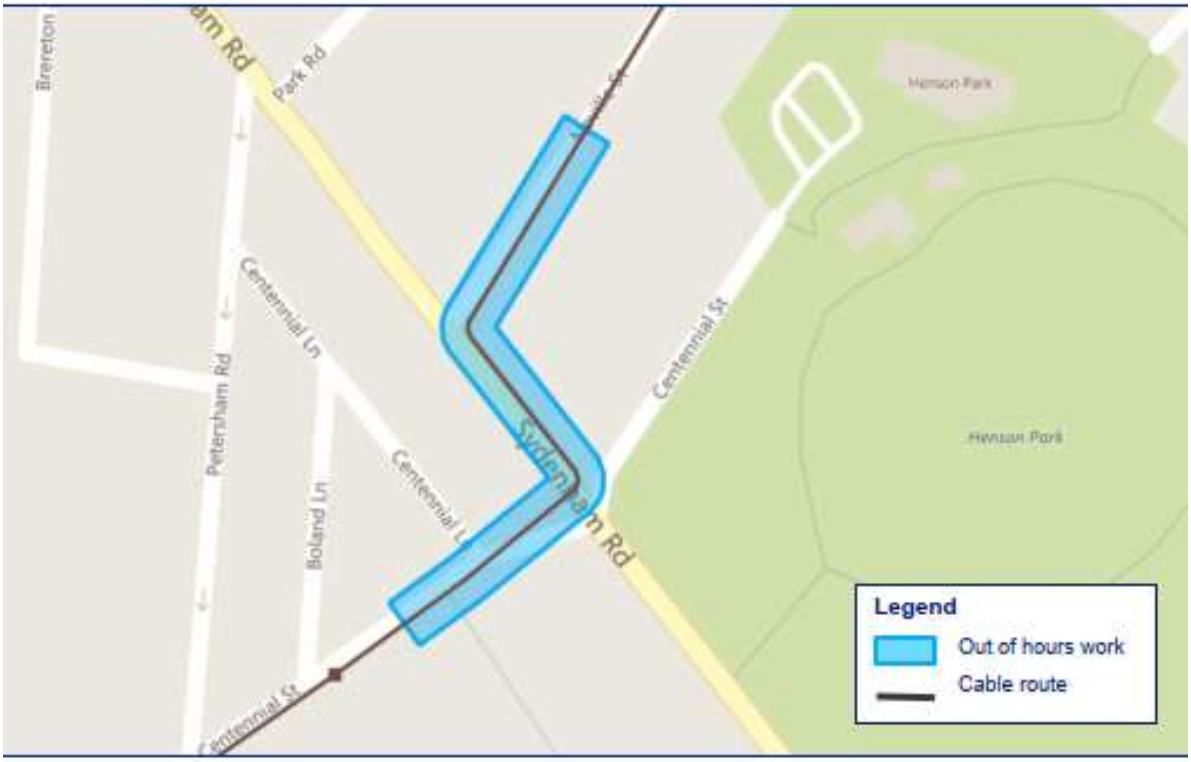


Figure 1: Map of works location

Attachment – Map of Works Location

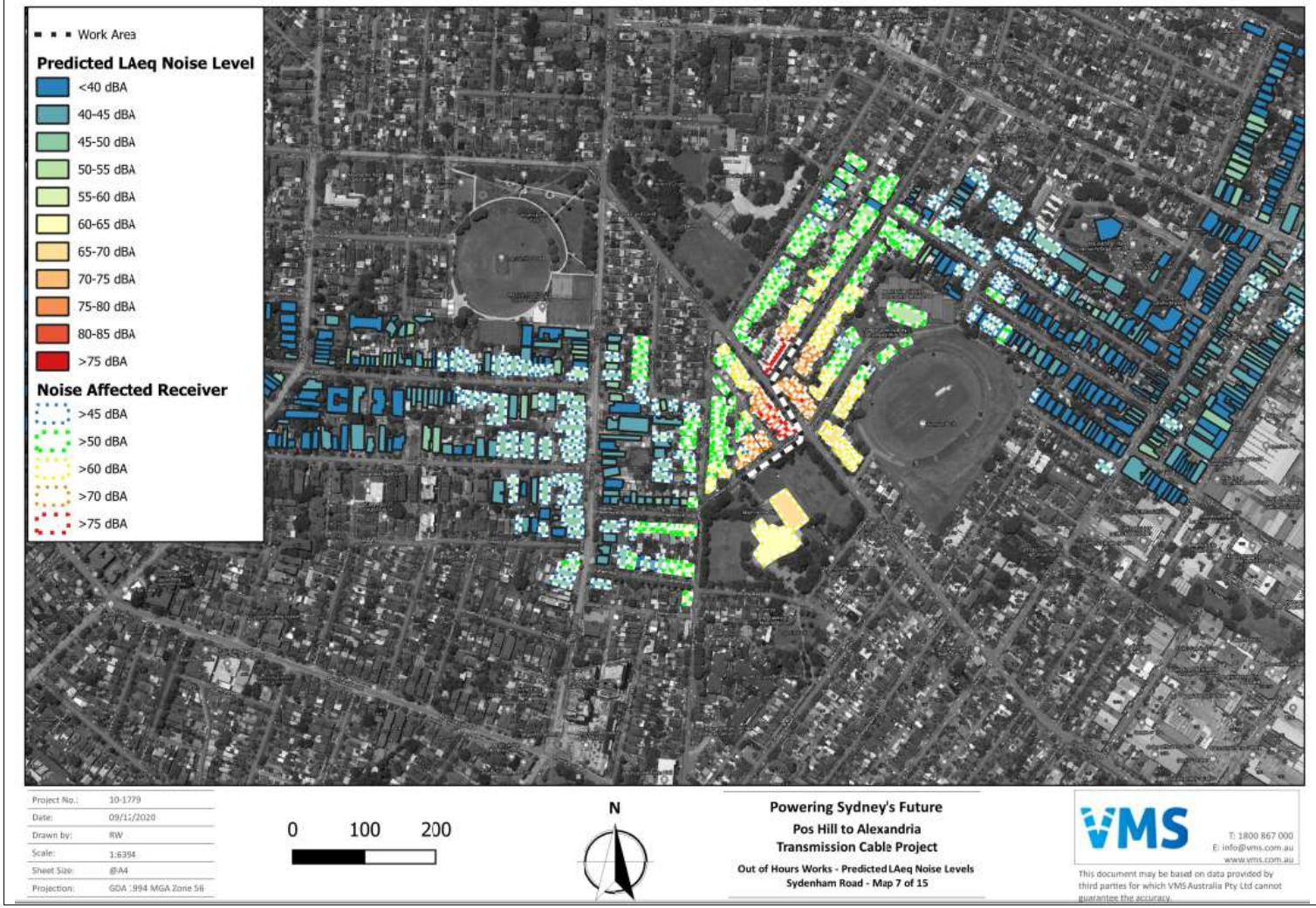


Figure 2: Map of potentially noise impacted receivers.

Attachment – Map of Works Location

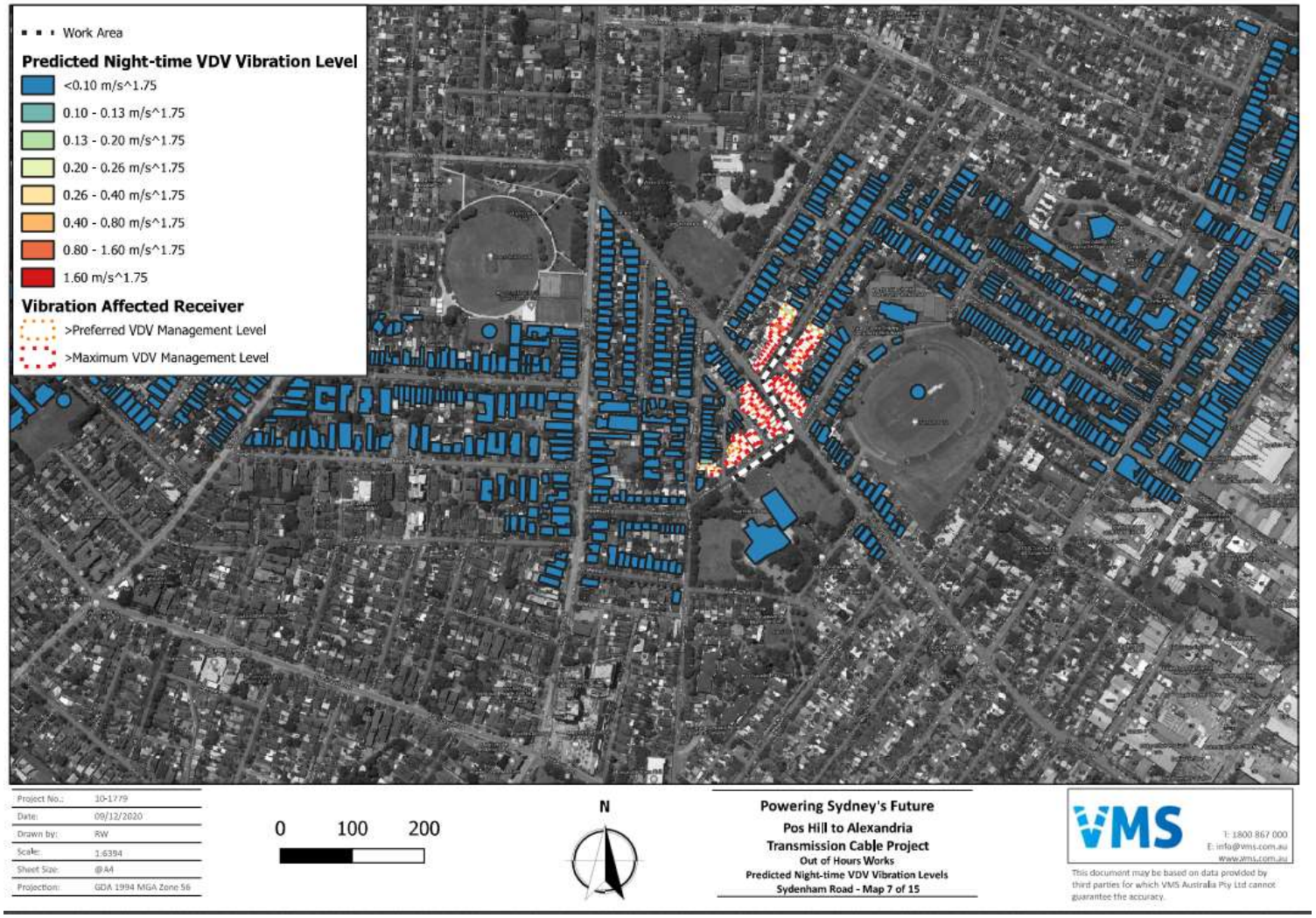


Figure 3: Map of potentially vibration impacted receivers.

Out of Hours Work

Activity Works	Activity / Impact	Time
Linear Infrastructure - Site preparation, trenching, excavation, joint bays, restoration of road services, other ☐	Delivery and Police ☐	Monday - Friday 7am - 6pm ☐
Substation Upgrade Works ☐	Emergency ☐	Monday - Friday 6pm - 7am ☑
Linear Infrastructure - Works in Classified Road Reserves and Signalised intersections, cable pulling and jointing ☑	Approved under Existing OOHW protocol ☐	Saturday 8am - 1pm ☐
Special crossings - Cable bridges and underboring ☐	> 75dBA COA E5 ☑	Saturday 1pm - 8am ☐
Construction Laydown Area ☐	>RBL + 5dBA ☐	Sundays and Public Holidays ☐
	<=45 NML ☐	
	> 45 NML ☐	
	Vibration perceptible inside Residence ☐	

OOHW Protocol is Triggered!!!

Reciever type	Day OOHW 7am - 6pm	Evening OOHW 6pm - 10pm	Nicht OOHW 10pm - 7am	Notes
Childcare	○ Low (1)	○ Low (1)	○ Low (1)	Not Operating during OOH
Commercial	○ Low (1)	○ Low (1)	○ Low (1)	Sensitivity of Premises to be confirmed through consultation
Industrial	○ Low (1)	○ Low (1)	○ Low (1)	Sensitivity of Premises to be confirmed through consultation
Educational	○ Low (1)	○ Low (1)	○ Low (1)	Not operating during OOH
Hotel	○ Low (1)	○ Low (1)	○ Mod (2)	Sensitivity of Premises to be confirmed through consultation
Medical	○ Low (1)	○ Low (1)	○ Low (1)	Sensitivity of Premises to be confirmed through consultation
Place of Worship	○ Mod (2)	○ Mod (2)	○ Low (1)	Sensitivity of Premises to be confirmed through consultation
Recording Studio	○ Mod (2)	○ Mod (2)	○ Low (1)	Sensitive periods during operational periods as agreed with facility through consultation
Recreation (active)	○ Low (1)	○ Low (1)	○ Low (1)	Sensitive periods during normal periods of use and review of special events calendar

Recreation (Passive)	○ Mod (2)	○ Low (1)	○ Low (1)	Sensitive periods during normal periods of use and review of special events calendar
Residential	○ Low (1)	○ Mod (2)	◉ High (3)	Risk subject to complaints management. Respite periods to be consulted for Highly Noise Intensive Works
Restaurant (Outdoor Dining)	○ Mod (2)	○ Mod (2)	○ Mod (2)	Sensitivity of premises to be confirmed through consultation

Exceedance of NML	Day OOHW 7am - 6pm	Evening OOHW 6pm - 10pm	Nicht OOHW 10pm - 7am	Qualitative Description
<5dB	○ Low (1)	○ Low (1)	○ Low (1)	Barely noticeable exceedance of the NML
5 - 15 dB	○ Low (1)	○ Low (1)	○ Mod (2)	Noticeably audible exceedance of the NML
15 - 25 dB	○ Low (1)	○ Mod (2)	○ Mod (2)	Clearly audible exceedance of the NML
>25 dB	○ Mod (2)	○ High (3)	○ High (3)	Intrusive exceedance of the NML
>75 dBa	○ Mod (2)	○ High (3)	◉ High (3)	Highly affected recievers

Vibration Assessment in Residential Areas (click here if Not Applicable) ○	Day OOHW 7am - 6pm	Evening OOHW 6pm - 10pm	Nicht OOHW 10pm - 7am	Qualitative Description
Less than Preferred	○ Low (1)	○ Low (1)	○ Low (1)	No noticeable floor vibration
Greater than Preferred, but Less than Maximum	○ Low (1)	○ Mod (2)	◉ Mod (2)	Barely noticeable floor vibration
Greater than Maximum	○ Low (1)	○ Mod (2)	○ High (3)	Noticeable floor vibration

Duration	Day OOHW 7am - 6pm	Evening OOHW 6pm - 10pm	Nicht OOHW 10pm - 7am	Qualitative Description
1 day	○ Low (1)	○ Low (1)	○ Low (1)	Generally Tolerable
2 days	○ Low (1)	○ Mod (2)	○ Mod (2)	Marginal Annoyance
3 days	○ Low (1)	○ Mod (2)	○ High (3)	Moderate Annoyance
More than 3 days	○ Low (1)	○ High (3)	◉ High (3)	Highly Disturbing

Get Risk Score

Overall Risk Assessment	Sum of Risk Factor Scores	Approval Path
Low 1 Risk Activity	1 - 6	Environment and Sustainability Manager
Moderate 2 Risk Activity	7 - 9	Environment and Sustainability Manager
High Risk Activity	10 - 12	Planning Secretary

Your total Risk score is:

12

November 2020

Powering Sydney's Future

POTTS HILL TO ALEXANDRIA TRANSMISSION CABLE PROJECT

COMMUNITY CONSULTATION

Out-of-hours work at Sydenham Road, Marrickville

TransGrid is installing a new underground electricity cable from Potts Hill to Alexandria. The Powering Sydney's Future project will help ensure a safe, reliable and affordable electricity supply for Sydney's CBD and surrounding areas. You can view a map of the cable route at www.transgrid.com.au/psf.

At **Sydenham Road, Centennial and Neville Streets** (intersections with Sydenham Road) we will need to work outside standard construction hours due to high daytime traffic volumes. These works will generate noise. The loudest activities will be saw cutting and hammering, followed by trenching, road restoration and tree trimming.

Out-of-hours work in this location is due to start in **January 2021 and will require around 34 shifts**.

How will the work affect you?

> Out-of-hours work shifts are typically carried out between **7pm and 7am**, **Monday to Sunday night,** however, continuous weekend works may be required from **6pm on Friday through to Monday 6am.**

> **There will be around 34 shifts** of out-of-hours construction work in total.

> Highly noise intensive work will be done for three hours at a time, followed by one hour of respite.

> We aim to do high impact noise activities before midnight wherever possible.

> High impact noise typically occurs at the start and end of shifts, as we open up road pavement and then repair it.

> Access to properties will be maintained at all times, unless we make alternative arrangements with you in advance.

Tell us your views

We would like your views on two different ways this work could be done:

- Option 1 - Four consecutive nights per week over 8-9 weeks, or
- Option 2 - Six consecutive nights per week over 6-7 weeks.

Please refer to the attached noise chart for typical noise levels from this type of work.

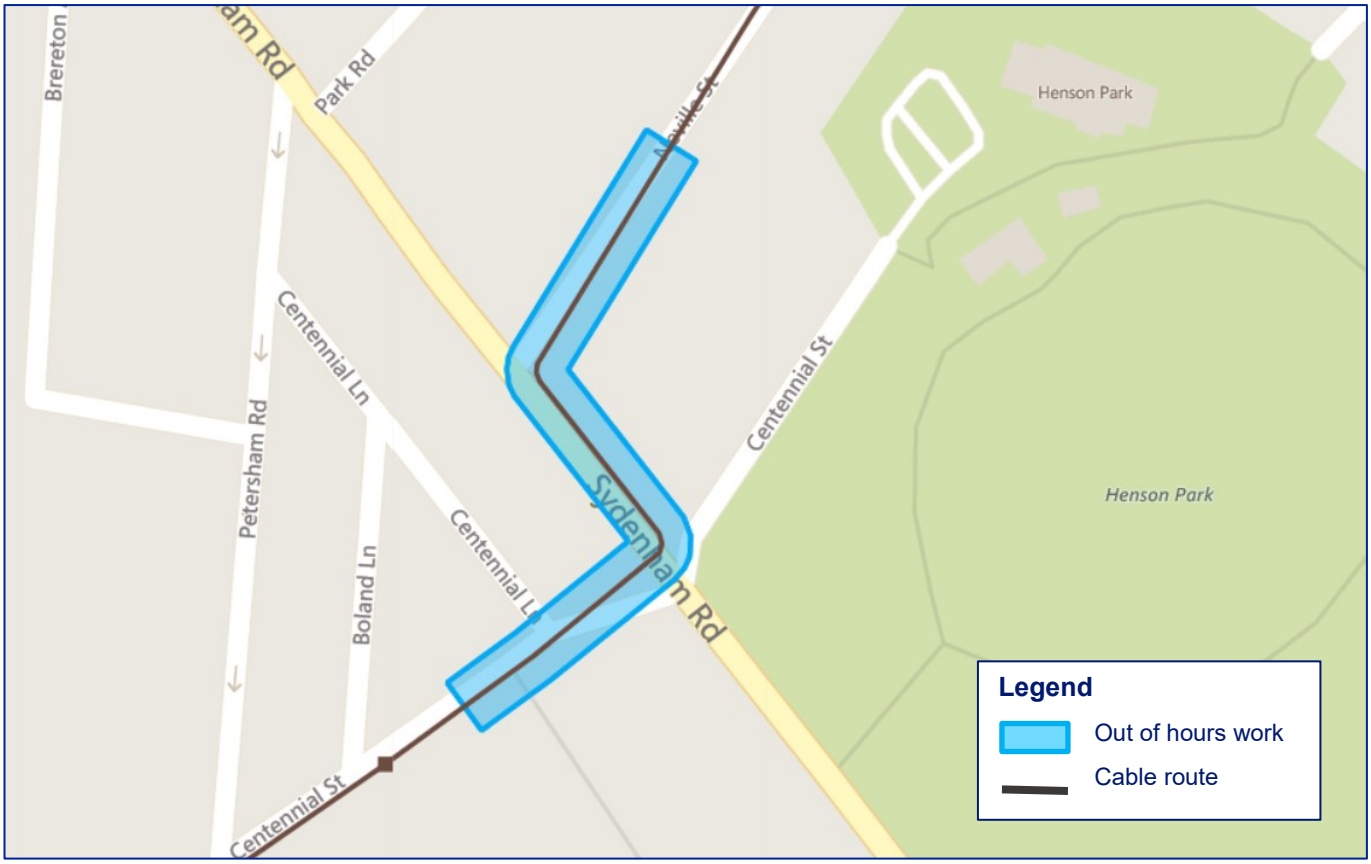
You are welcome to let the Powering Sydney's Future project team know which option you prefer by contacting us on **1800 955 588** or at psf@transgrid.com.au before **Wednesday, 02 December 2020**.

Please write **Sydenham Road** in the subject line of your email to identify the major road.

Connect with us
Community Information Line: **1800 955 588**
Email: **psf@transgrid.com.au**
Web: **www.transgrid.com.au/psf**

TransGrid

Out-of-hours work map



Noisy activities	Tools and equipment	Approximately 34 shifts over the period below		
		January	February	March
Saw cutting and hammering, trenching, road restoration and tree trimming	Powered saw, excavator hammer and bucket, hand operated compactor and small roller, chainsaws	✓	✓	✓

COVID-19 Safety protocols

The health and safety of our people, customers and the community and ensuring a reliable supply of electricity to NSW and the ACT are our highest priorities during the COVID-19 crisis.

TransGrid and our contractors, as a minimum, adhere to the recommendations of SafeWork NSW along with the advice of other state and federal authorities to effectively manage the risk of COVID-19 to workers and others in the work environment. This involves maintaining effective controls including social distancing, stringent hygiene and specific access protocols at our work sites.

131 450

For an interpreter please call **131 450** and ask them to call TransGrid on **1800 955 588**.
The interpreter will then assist you with translation.

Connect with us

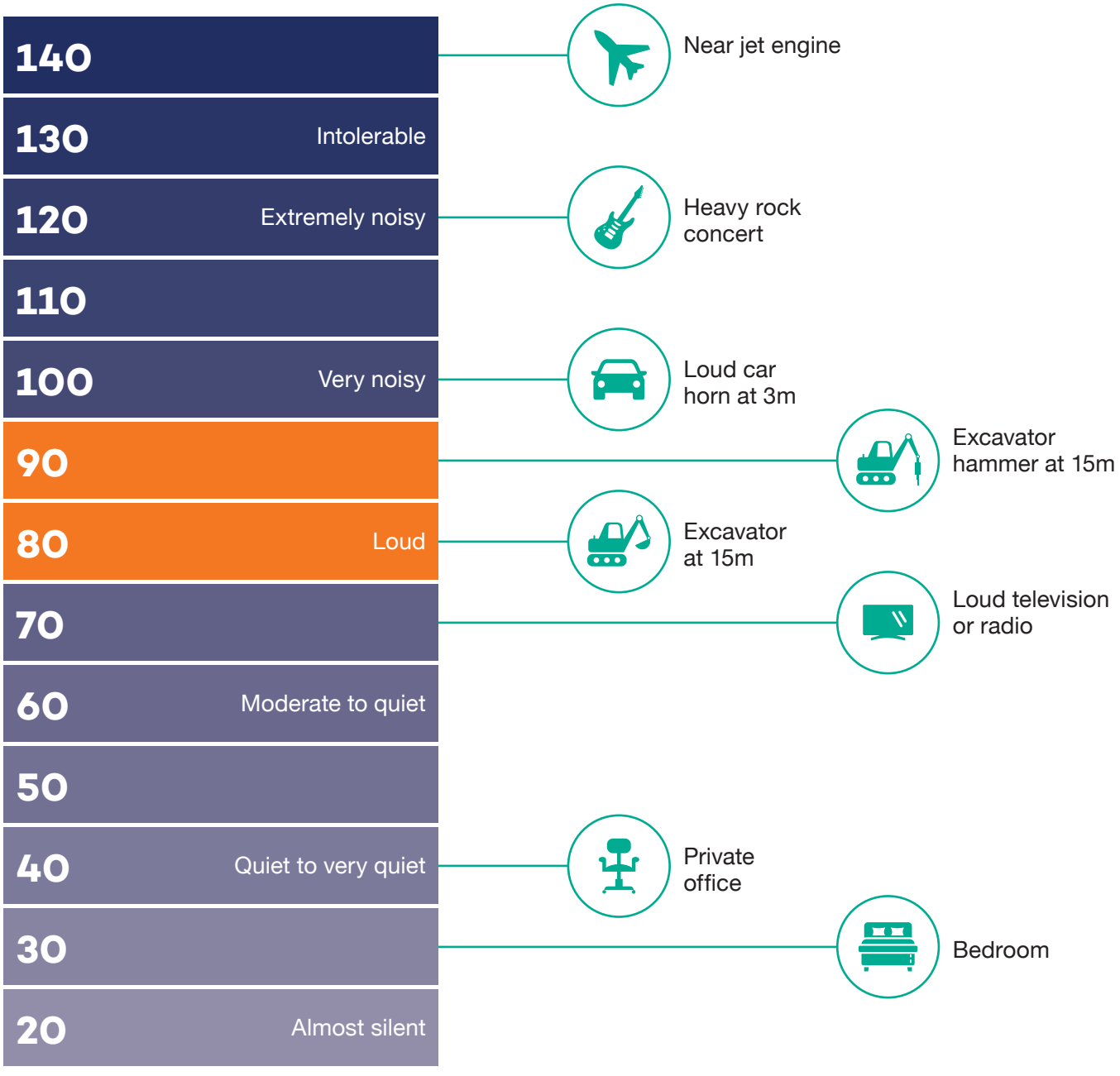
Please visit our website: **www.transgrid.com.au/psf** or contact the Powering Sydney's Future project team:
Community Information Line: **1800 955 588** Email: **psf@transgrid.com.au**

Noise level comparisons

People's perceptions of noise is strongly influenced by their environment.

A noise level that is perceived as loud in one situation may appear quiet in another.

dBA levels and subjective evaluation



PSF OUT-OF-HOURS WORK RESPITE CONSULTATION

Report	**OOH Consultation for works at Sydenham Road**
Objective:	Obtain feedback on preferred respite when working outside standard construction hours at Sydenham Road, Centennial Street and Neville Street (intersections with Sydenham Road) for up to 34 shifts.

ITEM	#	%	
Total of properties near to the works 55DBA	107	100%	
Properties that received notification with OOH Consultation	107	100%	
Properties with feedback after the notification	2	1.8%	
Additional Activities.			
Doorknock or phone properties around the 75 DBA to obtain the feedback	27	25.2%	
Total of properties with feedback after the doorknock	17	15.8%	
Total of properties without feedback	10	9.3%	
Results			
Total of feedbacks	19	100%	
Option 1: The work will be done over 4 consecutive night shifts with respite on 3 nights. This option means we may be working near the property for over 8-9 weeks.	10	52.6%	59% of those with a preference
Option 2: The work will be done over 6 consecutive night shifts with respite on 1 night. This option may allow completion of the work in 6-7 weeks.	7	36.8%	41% of those with a preference
The resident has informed the project team that they do not have a preference regarding night work plans.	1	5.3%	
Declined to participate.	1	5.3%	

MAP OF THE AREA.