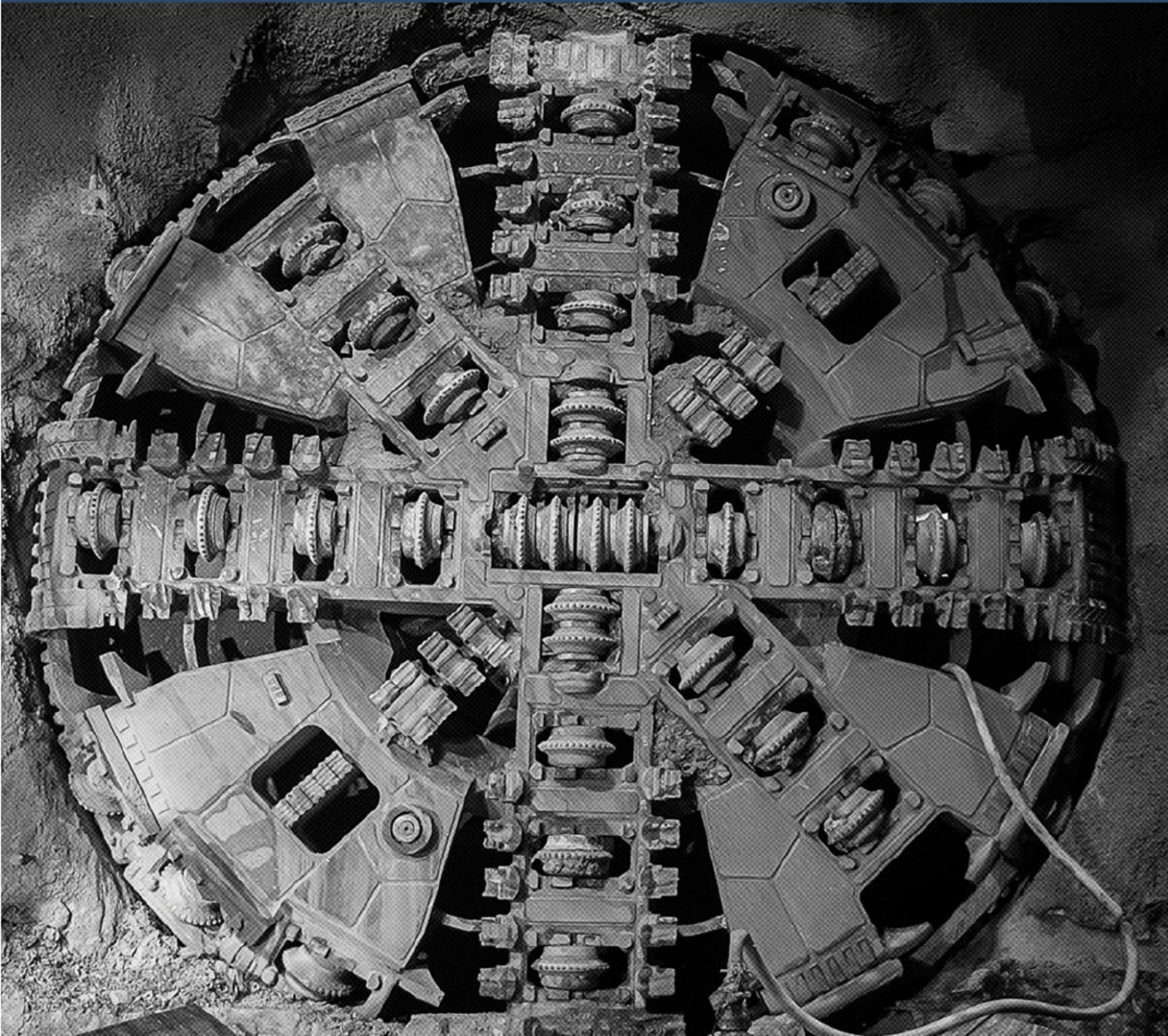


# D39 Consultation Report

## Pymont



## 1.0 INTRODUCTION

JCG has recently completed consultation with stakeholders adjacent to both Pyrmont East and West sites to understand their preference for respite hours during high noise activities for shaft excavation. The requirement to undertake this consultation is driven by the Project's Conditions of Approval (CoA D38), EPL Condition L5.12, and has been completed prior to continuous high noise impact activities such as rock hammering, starting.

This report outlines the background, method and approach taken by JCG to consult with eligible stakeholders identified through the D38 process regarding their preferred respite hours during upcoming high-impact work at the Pyrmont construction sites, and to demonstrate compliance with Conditions D38 and D39 of the Project's Conditions of Approval.

## 2.0 BACKGROUND

### 2.1 Governance

The requirement to consult with stakeholders regarding preferred respite breaks is outlined in the Project's Conditions of Approval under the following Conditions:

<b>Condition D38 (Conditions of Approval)</b>	The Proponent must identify all receivers at Pyrmont and Hunter Street Sydney CBD likely to experience internal noise levels greater than Leq(15 minute) 60dB(A) inclusive of a 5 dB penalty, if rock breaking or any other highly noise intensive activity likely to result in regenerated (ground borne) noise or a perceptible level of vibration is planned (including works associated with utility adjustments), between 7am and 8pm.
<b>Condition D39 (Conditions of Approval)</b>	<p>The Proponent must consult with all receivers identified in accordance with Condition D38 with the objective of determining appropriate hours of respite so that construction noise (including ground-borne noise), does not exceed internal noise levels of:</p> <ul style="list-style-type: none"> <li>(a) Leq(15 minute) 60dB(A) inclusive of a 5 dB penalty if rock breaking or any other highly noise intensive activity is likely to result in ground-borne noise or a perceptible level of vibration is planned between 7am-8pm for more than 50 percent of the time and;</li> <li>(b) Leq(15 minute) 55dB(A) inclusive of a 5dB penalty if rock breaking or any other highly noise intensive activity likely to result in ground-borne noise or a perceptible level of vibration is planned between 7am – 8pm for more than 25 percent of the time.</li> </ul> <p><i>This Condition requires that noise levels be less than Leq(15 minute) 60dB(A) for at least 6.5 hours between 7am and 8pm, of which at least 3.25 hours must be below Leq(15 minute) 55dB(A). Noise equal to or above Leq(15 minute) 60dB(A) is allowed for the remaining 6.5 hours between 7am and 8pm.</i></p>

Results from the survey will be provided to Sydney Metro, the Environmental Representative and Acoustic Advisor and the Environment Protection Authority in a report (this report) prior to high noise work starting.



## 2.2 Work summary

Two station shafts, one at each site, Pyrmont East and West, are being constructed to enable excavation of the underground cavern and future station buildings.

Shaft excavation will start at Pyrmont East from February 2024, followed by West starting from mid-2024.

Shaft excavation is vertical excavation of the ground using rock hammers, excavators, rock breakers and concrete saws to progressively break up and remove ground material. JCG will be excavating to a depth of 40 metres (East) and 30 metres (West).

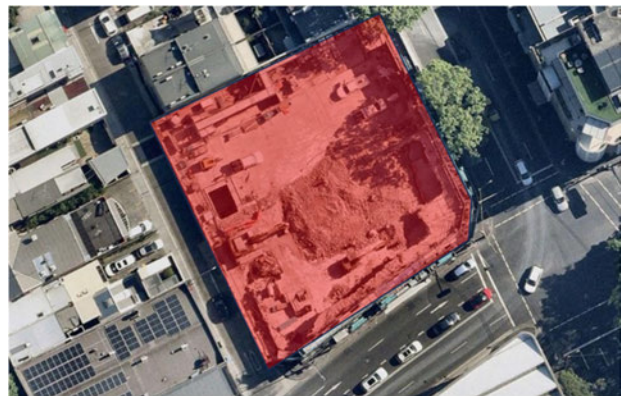
Expected timing for shaft excavation:

- Pyrmont East: Quarter 1 2024 to Quarter 4 2024
- Pyrmont West: Quarter 2 2024 to Quarter 4 2024

Pyrmont East



Pyrmont West



Shaft Footprint

### 3.0 STAKEHOLDER SUMMARY

#### 3.1 Diversity of stakeholders

Pymont hosts a diverse range of stakeholder groups who are located in proximity to both our East and West sites. These stakeholders include residents (owner occupiers and tenants), small and large businesses, hospitality venues, retail and various recording studios. Below is a map highlighting locations of key stakeholder groups.



#### 3.2 Eligible stakeholders

The Project consulted with eligible stakeholders regarding their preferred respite hours. Specific needs of sensitive stakeholders (identified recording studios) have been addressed individually with measures including temporary or long-term relocation. During this consultation, these stakeholders were still consulted with, and their preference has been included. Given they are receiving specific mitigation, there was no additional weighting given to this group.

A Detailed Noise and Vibration Impact Statement (DNVIS) has been prepared for construction activities at the Pymont sites and identified approximately 200 properties eligible (mixed residential and businesses) for consultation under Condition D38 and EPL Condition L5.12, shown in orange on the map below.



### 3.3 Impacted Stakeholders

Ongoing proactive engagement, feedback and research has allowed JCG to better understand the interests of each stakeholder group, and how they may be affected by high noise activities throughout construction.

Feedback from the local Pyrmont Community has identified minimal concerns on scheduled standard construction hours. Highlighting that very limited night work has taken place to date, which is the least preferred time for work activities, there is no strong preference or interest from the community on timing of high noise activities during daytime.

Noting this, stakeholders who responded preferred high noise activities to finish earlier in the day, to allow longer duration of reduced noise in the afternoons and evenings.

## 4.0 RESPITE PERIODS

JCG prepared three different options for eligible stakeholders to select. The options considered the following:

- The needs of eligible stakeholders and their potential sensitive periods
- General fatigue from ongoing construction noise impact
- Fulfilling 6.5 hours of high impact noise per day to maintain program
- Ensure that safety for workers and the public is maintained.





## 5. COMMUNICATION

JCG has been engaging with stakeholders across Pyrmont since early 2023, providing general project updates and information on expected impacts.

JCG proactively engages with stakeholders, through one-on-one and group meetings, weekly and monthly email updates, direct emails, flyers, Pop Ups, phone conversations and project newsletters. Many of the eligible stakeholders are regularly in direct contact and have a strong relationship with the Pyrmont Community and Stakeholder team.

To communicate the proposed respite options for the D39 consultation, JCG developed a 'Have Your Say' letter and form which was both emailed to key stakeholders and letterbox dropped to residents. To provide maximum convenience, stakeholders had the option to Scan a QR code, click a link or provide their response via phone or email.

A 14-day feedback period was given to stakeholders between **2 and 13 October 2023**. Three attempts were made to gain a response from eligible stakeholders with additional attempts made with highly sensitive residents.

Figure 1 below show the 'Have Your Say' email, while Figure 2 below shows the online submission form which stakeholders were able to complete after scanning the QR code or clicking the link provided.

Sydney Metro West

### Have your say: respite hours during high impact work at Pyrmont

October 2023



Sydney Metro acknowledges the Gadigal people of the Eora Nation as the Traditional Custodians of the lands on which we work and pay respects to Elders past and present.

John Holland CPB Contractors Ghella Joint Venture (JCG) has been awarded the contract to deliver 3.5 kilometres of twin metro rail tunnels between The Bays and Hunter Street and excavate the Pyrmont and Hunter Street metro stations.

Dear Community member,

We're contacting you directly as your property or business is located close to our Pyrmont worksites and we'd like to know your preference for how we carry out essential work next year. In early 2024, we'll start shaft excavation at both the Pyrmont East (Edward Street / Pyrmont Bridge Road) and West (Pyrmont Street / Paternoster Row) sites. Two station shafts, one at each site, are being constructed for the future station and to enable the excavation of the underground station cavern.

Shaft excavation is vertical excavation of the ground using rock hammers, excavators, rock breakers, vibratory rollers, and concrete saws to progressively break up and remove ground material. We'll be excavating to a depth of 35 metres.

Expected timing for shaft excavation:

- Pyrmont East: Quarter 1 2024 to Quarter 4 2024
- Pyrmont West: Quarter 1 2024 to Quarter 3 2024



Above: shaft excavation at Five Dock station

Figure 1 'Have Your Say' letter

#### Noise impacts

High noise levels are expected to be generated during shaft excavation. We expect these noise levels to be more noticeable at the start of hammering activities, when machinery is located closer to the surface, until we reach approximately 10 metres in depth. As excavation progresses and machinery is further into the shaft, noise levels at surrounding properties is expected to reduce.

Onsite mitigation measures will be proactively implemented to manage noise impacts including:

- Installing hoarding around the site boundary
- Building acoustic sheds and coverings
- Installing noise blankets
- Using alternative equipment, machinery, and attachments, where possible and,
- Implementing respite periods.

#### Respite periods

Respite periods will be implemented during shaft excavation for activities that generate high noise impacts (above 60 dBA inside your property). These high noise impact activities will be managed to ensure noise levels are not greater than 60 dBA inside your property for more than 6.5 hours per day (excluding Sundays). Respite periods will be in place to meet this requirement and are a requirement of the Project Conditions of Approval. During respite periods, we will continue other construction activities that generate lower noise levels.

Excavation of the Pyrmont shafts will occur prior to and during the construction of the acoustic sheds at each site. This is required to enable adequate clearance and safe access for work crews constructing the acoustic sheds. As the depth of excavation increases and on completion of the acoustic sheds, noise levels are expected to be significantly reduced. During excavation, noise levels will be assessed and some changes to the respite arrangements may occur following consultation.

#### Noise Level Comparisons

People's perception of noise is strongly influenced by their environment.  
A noise level that is perceived as loud in one situation may appear quiet in another.



Above: Noise level comparison

<p><b>Have your say</b></p> <p>You can help us identify the best way to schedule high noise impact work and respite periods for your community. We have created three options based on previous feedback from the community and experience at other Sydney Metro sites.</p> <p>To select your preferred timing for high impact work hours and respite periods, please scan the QR code and follow the prompts.</p> <p>Responses close at 5pm Friday 13 October 2023.</p> <p>Alternatively, you can submit your preference via email or phone by contacting <a href="mailto:MetroTunnelsJCGJV@transport.nsw.gov.au">MetroTunnelsJCGJV@transport.nsw.gov.au</a> or calling 1800 612 173.</p> 	<p><b>Respite options</b></p> <p>Please select your preferred timing (also see table overleaf) for high noise impact work and respite periods:</p> <ul style="list-style-type: none"> <li><input type="radio"/> Option A: 8am – 3.30pm, two 30-minute breaks</li> <li><input type="radio"/> Option B: 8am – 3.30pm, one hour break</li> <li><input type="radio"/> Option C: 8am – 2.30pm, longer respite end of day</li> <li><input type="radio"/> No preference</li> </ul>
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If you have any questions regarding respite periods or construction activities, please contact our Community Relations Team to discuss further.

Thank you for your participation.

Figure 2 'Have Your Say' submission form

## Have your say:

### Respite hours during high impact work

We're contacting you directly as your property or business is located close to our Pyrmont worksites and we'd like to know your preference for how we carry out essential work next year.

You can help us identify the best way to schedule high noise impact work and respite periods for your community. We have created three options based on previous feedback from the community and experience at other Sydney Metro sites.

Responses close at 5pm Friday 13 October 2023.

- Name \*
- Address \*
- Contact details \*
- Please select your preferred timing for high noise impact work and respite periods:
  - ☐ Option A: 8am - 3.30pm, two 30-minute breaks
  - ☐ Option B: 8am - 3.30pm, one hour break
  - ☐ Option C: 8am - 2.30pm, longer respite end of day
  - ☐ No preference

## 6. RESULTS

The below table and diagram's show the results from eligible stakeholders who submitted a response for their preferred respite option. The results show a preferred response for Option C: 8am – 2:30pm Monday to Saturday.

Table 1 Results of stakeholder consultation

ID	Preferred timing for high noise impact work and respite periods:
1	Option C: 8am - 2.30pm, longer respite end of day
2	No preference
3	Option C: 8am - 2.30pm, longer respite end of day
4	Option A: 8am - 3.30pm, two 30-minute breaks
5	Option C: 8am - 2.30pm, longer respite end of day
6	Option C: 8am - 2.30pm, longer respite end of day
7	Option C: 8am - 2.30pm, longer respite end of day
8	Option B: 8am - 3.30pm, one hour break
9	Option B: 8am - 3.30pm, one hour break
10	Option C: 8am - 2.30pm, longer respite end of day
11	Option A: 8am - 3.30pm, two 30-minute breaks
12	Option B: 8am - 3.30pm, one hour break
13	Option C: 8am - 2.30pm, longer respite end of day
14	Option A: 8am - 3.30pm, two 30-minute breaks
15	Option A: 8am - 3.30pm, two 30-minute breaks
16	Option B: 8am - 3.30pm, one hour break



Figure 3 preference

4. Please select your preferred timing for high noise impact work and respite periods:

[More Details](#)

- Option A: 8am - 3.30pm, two 30... 5
- Option B: 8am - 3.30pm, one ho... 4
- Option C: 8am - 2.30pm, longer ... 7
- No preference 1



## 7. RECOMMENDATION

Key findings from the survey indicate the following trend:

- The majority of stakeholders responded with their preferred option (C) being high activities starting at 8am and continuing for a straight 6.5-hour work period until 2.30pm.
- There were no significant differences in response between residential and businesses.

JCG will initially undertake high noise activities, working under the agreed respite periods of **Option C**, starting at 8am and continuing until 2.30pm daily. Low noise activities will continue after this and will finish at 6pm daily.