

27 May 2025

**Project Reference: FDC3564**

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Dear Emily,

**Re: The Cutaway – Construction Noise and Vibration Management Plan (CNVMP) – Monitoring Program Update**

This letter provides confirmation that Acoustic Studio (ACS) has been engaged by FDC (The Cutaway main Contractor) to provide advice related to the changes in the monitoring program for the Cutaway project (The Project) due to anticipated reduction in noise and vibration impacts associated with works final stages.

Reference is made to the Contractor obligations regarding noise and vibration monitoring for the duration of the project as described in the CNVMP (doc. Ref. 20240418 FDC3564 Rep.0001-CNVMP\_v1.0) and the relevant conditions in the Development Consent for the Proposal (Application Number SSD 47498458). Changes to the monitoring program as proposed by FDC are:

- Remove 3 of the 4 long-term unattended noise monitors currently installed around the Project site.
- Remove 3 of the 4 long-term unattended vibration monitors currently installed around the Project site.
- Relocate the remaining noise (1) and vibration (1) long-term unattended monitors to a location at the top of the enclosed skylights in the vicinity of the nearest residential receivers in Merriman Street, Millers Point.

To evaluate the appropriateness of proposed changes to the monitoring program, ACS has:

**1 Reviewed the Project noise and vibration monitoring reports**

Including a review of monitoring reports from June 2024 to January 2025 and associated works at the time.

**2 Discussed with FDC the details of the completed and remaining works**

Including phone conversations / emails so ACS understands how FDC has managed noise and vibration impacts associated with past works and how FDC is planning to manage and monitor impacts of all remaining works.

**3 Assessed the likely impacts of remaining works in light of the monitoring program update proposal**

Including review of anticipated noise and vibration impacts of remaining works and sensitive receivers to be most affected.

After a detailed assessment of the situation as described above, ACS confirms that we consider the proposed changes to the monitoring program to comply with the requirements of the CNVMP and Development Consent Conditions for the proposal. Details of ACS's assessment are provided overleaf.

We trust that this information meets your needs at this time. Please feel free to contact me if you need anything further.

Yours sincerely,



Laura Lapena

Senior Acoustic Engineer

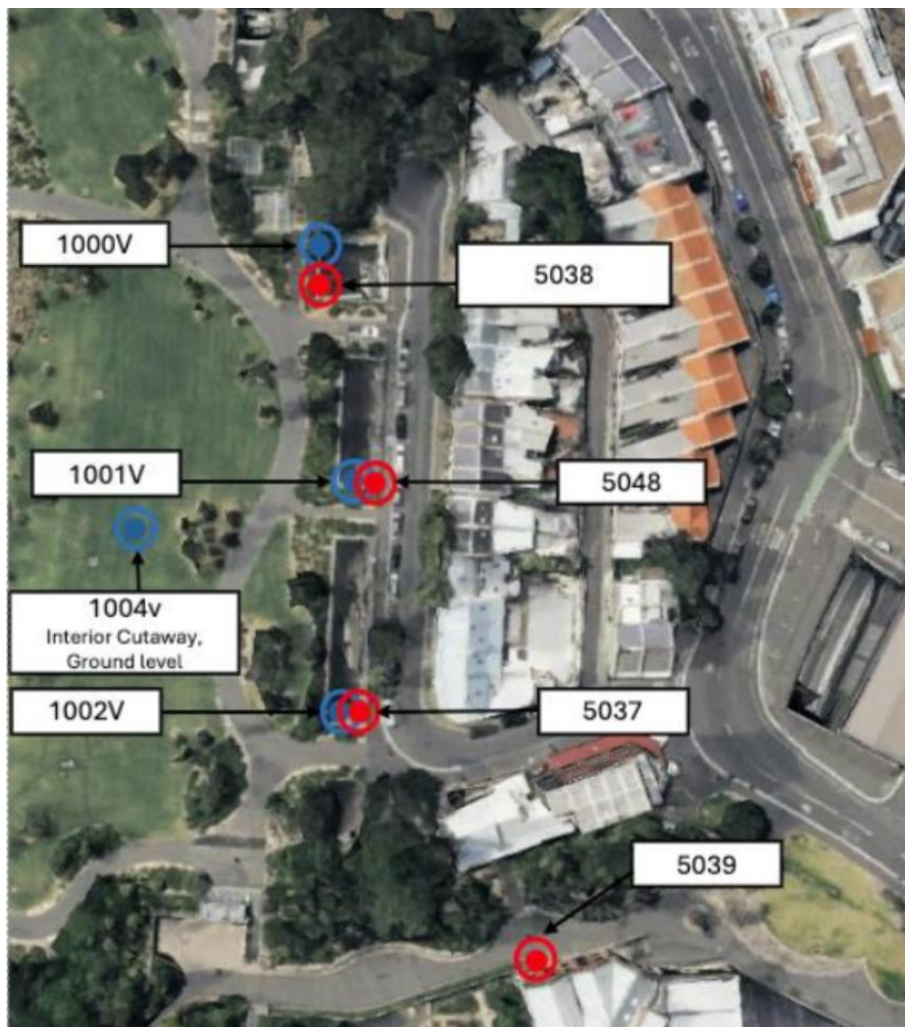
# 1 Review of Past Noise and Vibration Monitoring Reports

ACS has reviewed the noise and vibration monitoring reports listed below, as provided by FDC in February 2025.

- Noise & Vibration Monitor Installation Report, doc. Ref. R02 – 3847, issued 25/07/2024
- Noise & Vibration Monthly Report, doc. Ref. 3847.02, issued 27/07/2024
- Noise & Vibration Monthly Report, doc. Ref. 3847.03, issued 26/08/2024
- Noise & Vibration Monthly Report, doc. Ref. 3847.04, issued 26/09/2024
- Noise & Vibration Monthly Report, doc. Ref. 3847.05, issued 31/10/2024
- Noise & Vibration Monthly Report, doc. Ref. 3847.06, issued 12/11/2024
- Noise & Vibration Monthly Report, doc. Ref. 3847.07, issued 26/11/2024
- Noise & Vibration Monthly Report, doc. Ref. 3847.08, issued 18/12/2024
- Noise & Vibration Monthly Report, doc. Ref. 3847.09, issued 29/01/2025

We note that the monitoring program – including the installation of monitors, remote control dashboard setup and monthly reporting – has been implemented by a third-party contractor, Noise Net (NN), in coordination with FDC who managed the site works and program plus any communications with sensitive receivers, as required. Long-term unattended noise and vibration monitor locations are shown in Figure 1 below as extract from NN's reports.

**Figure 1** Long-term unattended monitoring locations around the Project site – Noise (RED) and Vibration (BLUE)



After review of the noise and vibration monitoring reports provided, ACS states the following:

- The monitoring program during the reporting period has been implemented in general accordance with the Project CNVMP<sup>1</sup>, particularly Section 7 of the CNVMP “Monitoring Program” as per the observations below extracted from NN’s monitoring reports:
  - Monitor time traces show that site generally keeps to approved hours (i.e. no works before 7am or 8am Saturdays).
  - The respite periods are observed when high-noise works occur (i.e. no more than 3 hours of high-impact works).
  - For OOH works (before 7am) FDC confirms that it provided written notice to all affected receivers.
  - NN states in the reports that all exceedances have been analysed, including listening to noise recordings to exclude activities that are not FDC site-related, and feedback requested from FDC for any noise vibration exceedances.

After discussions with FDC following ACS review of the monitoring reports, ACS understands the following:

- Noise and vibration exceedances shown in the monitoring reports that were deemed to be caused by Project site works were investigated by FDC, corrective measures were implemented where possible and that no outstanding complaints are currently open with nearby sensitive receivers to the site (e.g. terraces in Merriman St).
- Monitoring reports referred to in this section correspond to the site works and activities as listed in Section 2.1 (i.e. Completed works) below and that these works were either undertaken at surface level or within the Cutaway underground spaces but before the skylights to the west of Merriman Street were enclosed (i.e. before May 2025).

## 2 Summary of Works

### 2.1 Completed works – Before May 2025

From conversations with FDC, we understand the following works – as assessed in the Project CNVMP<sup>1</sup> – have been completed:

- SITE ESTABLISHMENT including reconfiguring of key life safety fire corridors and exits, installation of external hoardings, installation of perimeter and internal scaffolding and installation of lunchrooms, offices, temporary services and hoist.
- DEMOLITION including internal partitions (walls, doors, windows, ceilings, bulkheads, etc), around Ausgrid substation, lift pit, forecourt access and bench, concrete hobs around skylights and security and toilet blocks.
- EXCAVATION including lift pit, new eastern fire stair (sandstone) and skylights-side cutaway rock face.
- STRUCTURAL WORKS including skylights steelwork, substation airshaft and access extension, lift pit construction, stair 3 footings and core construction, general structural steel installation and concrete slab installation.
- CONSTRUCTION including skylights (lifting and installation), concrete pours and internal and façade works.

### 2.2 Remaining works – From May 2025

From conversations with FDC, we understand the following works – as assessed in the Project CNVMP<sup>1</sup> – are either currently underway or to be completed between now and project completion:

- CONSTRUCTION including feature tree structures and internal works (base building and fitout).
- LANDSCAPE including soft landscape works.

## 3 Assessment of Monitoring Program Update

<sup>1</sup> Acoustic Studio’s “The Cutaway – Construction Noise and Vibration Management Sub-Plan – CNVMP”  
Doc. Ref. 20240418 FDC3564 Rep.0001.CNVMP\_v1.0, dated 18<sup>th</sup> April 2024.

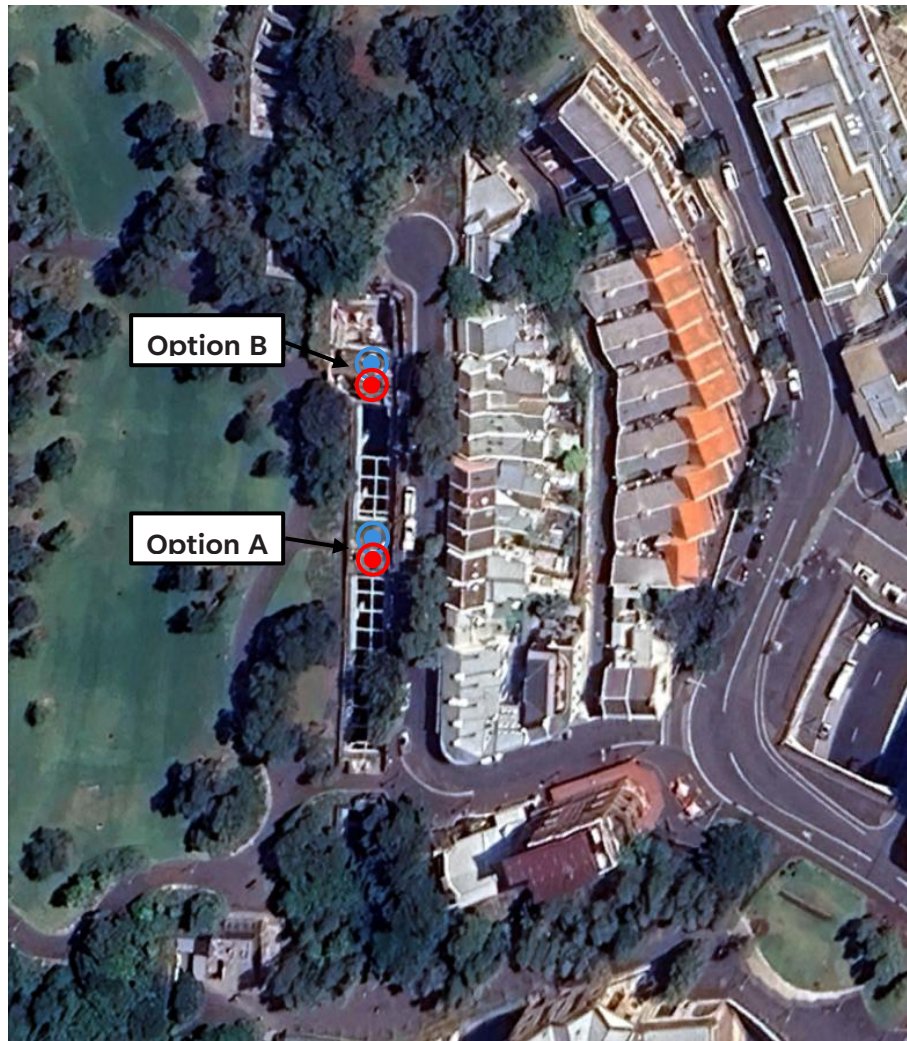


### 3.1 Monitoring program update proposal

FDC proposed changes to the monitoring program for the remaining of the works as listed in Section 2.2 are:

- Remove 3 of the 4 long-term unattended noise monitors labelled in Figure 1 as 5038, 5037 and 5039.
- Remove 3 of the 4 long-term unattended vibration monitors labelled in Figure 1 as 1000V, 1002V and 1004V.
- Relocate the remaining noise (5058) and vibration (1001V) long-term unattended monitors – or equivalent available monitors – to a suitable location at the top of the enclosed skylights which is still in the vicinity of the nearest residential receivers in Merriman Street, Millers Point, but not interfering with the remaining works in the program. Refer to Figure 2 for the proposed new locations of monitors to remain on site.

**Figure 2** Proposed long-term unattended monitoring suitable locations for the remaining of the works – Noise (RED) and Vibration (BLUE)



### 3.2 Noise and vibration impact of remaining works

ACS acknowledges that most of the remaining works for the Project are internal. Given that the skylights to the west of Merriman Street have already been installed (as confirmed by FDC), noise impacts from most future activities are expected to remain below the Noise Management Levels (NMLs) outlined in CNVMP<sup>1</sup>.

We understand from you that some remaining works, such as landscaping, are external in nature and may occasionally result in noise levels exceeding the NMLs. However, FDC can continue to manage any such noise impacts using existing procedures, including advance notifications and provision of respite to affected residents. The remaining noise logger proposed to stay on-site should be used to support this management.

Regarding vibration, we understand from you that all vibration-intensive activities—such as demolition and excavation—have been completed. Consequently, exceedances of the vibration limits specified in CNVMP<sup>1</sup> are considered unlikely.

### 3.3 Conclusion

After review of the following:

- The impact and the nature of works up to January 2025 as per the monitoring reports listed in Section 1 and the activities described in Section 2.1.
- The nature of the works remaining from May 2025 as described in Section 2.2 and anticipated impacts as per Section 3.2.
- The number and locations of monitors proposed by FDC to remain on site as shown in Figure 2

ACS states:

- The number and location of monitors proposed by FDC to stay on site is adequate to the nature of the remaining works from May 2025 and upon completion so long as the Contractor keeps on applying all of the recommendations on the CNVMP (where applicable) for the remaining works such as, but not limited to:
  - Monitor the time traces provided by the remaining unattended monitors to ensure that site activities remain within the approved working hours set out in the Conditions of Consent.
  - Observe respite periods when high-noise external works are planned in the vicinity of sensitive receivers such as for any landscaping works along Merriman Street (i.e. no more than 3 hours of high-impact works).
  - FDC to provide 48-hours-prior written notice to all affected receivers for any planned OOH works (before 7am).
  - If exceedances are recorded by the monitors, those are to be analysed and, if found to be caused by FDC works, action should be taken by FDC in accordance with the CNVMP<sup>1</sup>.
  - Generally, continue to apply all feasible and reasonable noise and vibration control measures in the CNVMP<sup>1</sup> for the remaining works, including but not limited to communication with affected sensitive receivers and prompt follow up of any complaints that may arise in the future. This is despite our view that complaints are unlikely due to the low noise and vibration risks associated with the remaining works.