

Date: 4th February 2026

Our reference: NJD18-0068-005L

FAO: Environmental Health Department, South Tyneside Council

Former Ashworth Fraser Site – Noise Addendum

NJD Environmental Associates Ltd was originally appointed to undertake a detailed Noise Assessment in support of the proposed redevelopment of the Former Ashworth Fraser Site, South Tyneside, with the findings presented within our 2018 report (ref. NJD18-0068-002R). That assessment established baseline sound levels across the site through a programme of attended and unattended measurements, and presented a detailed appraisal of noise impacts from surrounding transportation and industrial sources in accordance with the relevant guidance.

Since the original submission, the site layout has been revised, with notable amendments to the western portion of the site. This Noise Addendum has therefore been prepared to provide further technical clarification and updated noise modelling to reflect the revised site arrangement. The addendum is intended to be read in conjunction with the original 2018 assessment, which remains valid for all other aspects of the development. This noise addendum further supersedes letter NJD18-0068-004L, which also considered changes to this part of site.

Assessment Scope and Methodology

The additional work undertaken for this addendum has been based on the same set of measured noise data as presented in the 2018 report.

Noise propagation modelling has been undertaken using industry-standard prediction techniques, consistent with the approach previously adopted. The methodology follows the procedures described within Calculation of Road Traffic Noise (CRTN, 1988) and ISO 9613-2:1996 – Attenuation of sound during propagation outdoors, as appropriate. The modelling accounts for topography, ground absorption, building screening, and proposed boundary treatments.

Predictions were carried out for the following acoustic indices:

- **Daytime (LAeq,16hr)** representing the period 07:00–23:00 hours;

- **Night-time (LAeq,8hr)** representing the period 23:00–07:00 hours; and
- **Night-time (LAm_{ax})** to assess the maximum sound levels from individual vehicle pass-bys during the night.

Noise levels were predicted at 1.5 m height for garden and living room areas and 4 m height for first-floor façades of the proposed dwellings.

Results and Discussion

The resultant external noise levels are presented graphically at Figures 1 to 3 of this addendum. These illustrate the spatial distribution of predicted daytime and night-time levels across the revised development layout. This particular area of the site does not contain any external private amenity spaces; therefore, the external guideline levels are not relevant.

The properties to the direct east of the apartments will benefit from a greater amount of screening (from the road to the west), and proportionately lower levels in gardens.

Internal Noise Environment

For internal spaces, the combination of enhanced thermal double glazing and acoustic trickle ventilation will ensure that the internal ambient noise levels achieve the design criteria recommended in BS 8233:2014 and WHO Guidelines for Community Noise.

Indicative ventilation requirements and glazing performance specifications have been presented on a plot-by-plot basis within Figures 4 and 5 of this addendum. These identify the specific dwellings where enhanced acoustic measures are required, along with the corresponding performance standards to be achieved.

All proposed specifications are readily achievable using commercially available acoustic products and can be secured by means of a suitably worded planning condition.

Summary and Conclusions

This Noise Addendum has been prepared to provide updated technical information reflecting the revised layout of the Former Ashworth Fraser Site development. The work builds directly upon the detailed baseline measurements and assessment methodologies contained within the 2018 report, ensuring full consistency and continuity of approach.

The results confirm no additional acoustic fencing would be required for external spaces. With the provision of appropriate glazing and acoustic ventilation,

internal noise levels within habitable rooms will comply with the relevant design criteria.

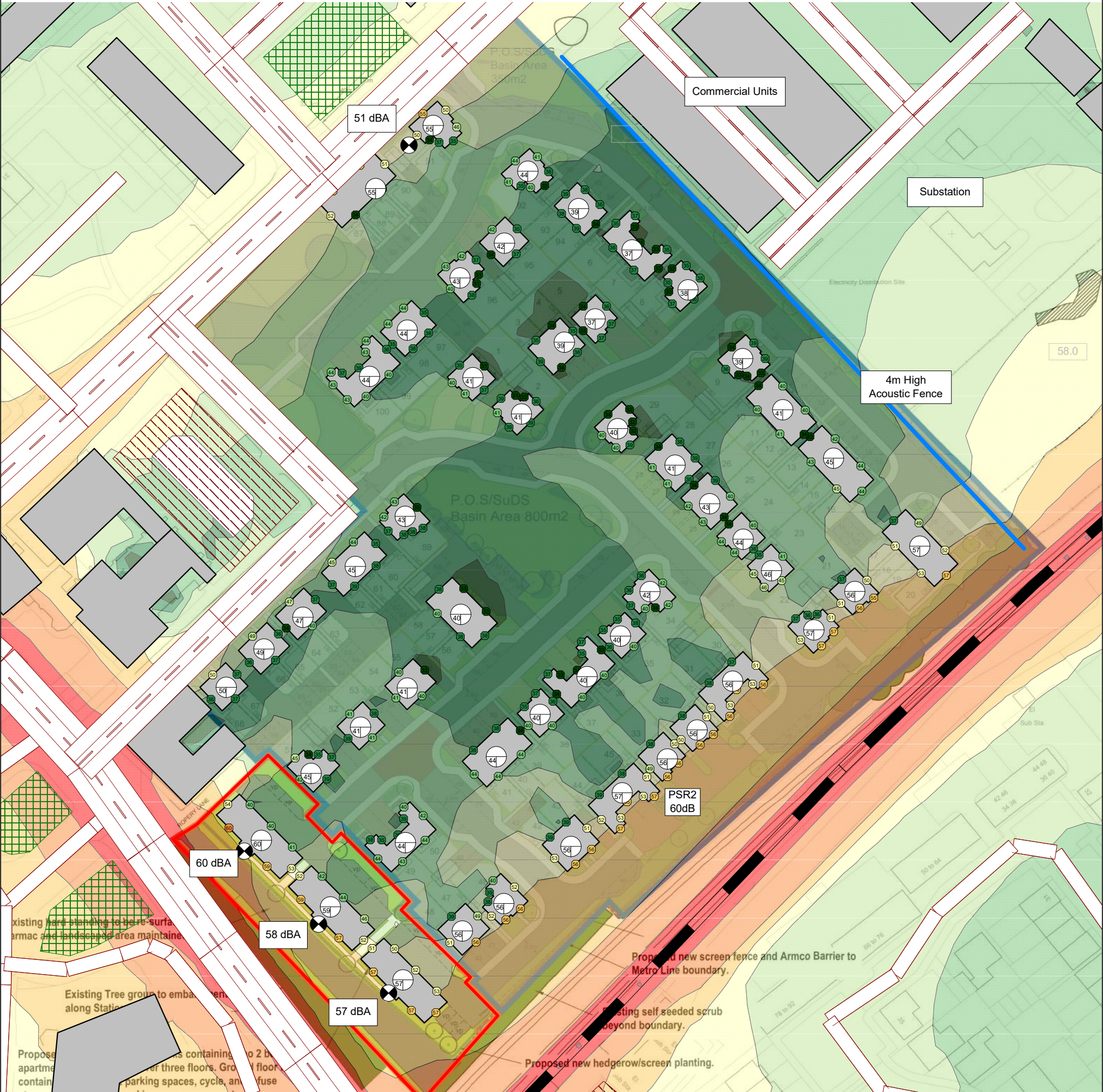
On this basis, the revised development layout can be considered to provide an acceptable acoustic environment for future residents.

We trust that this addendum provides the Council with sufficient information to confirm that the proposed revisions do not give rise to any additional noise-related concerns. Should you require any further clarification or supporting information, please do not hesitate to contact us.

Yours sincerely

Nick Dennon BSc MSC MIOA

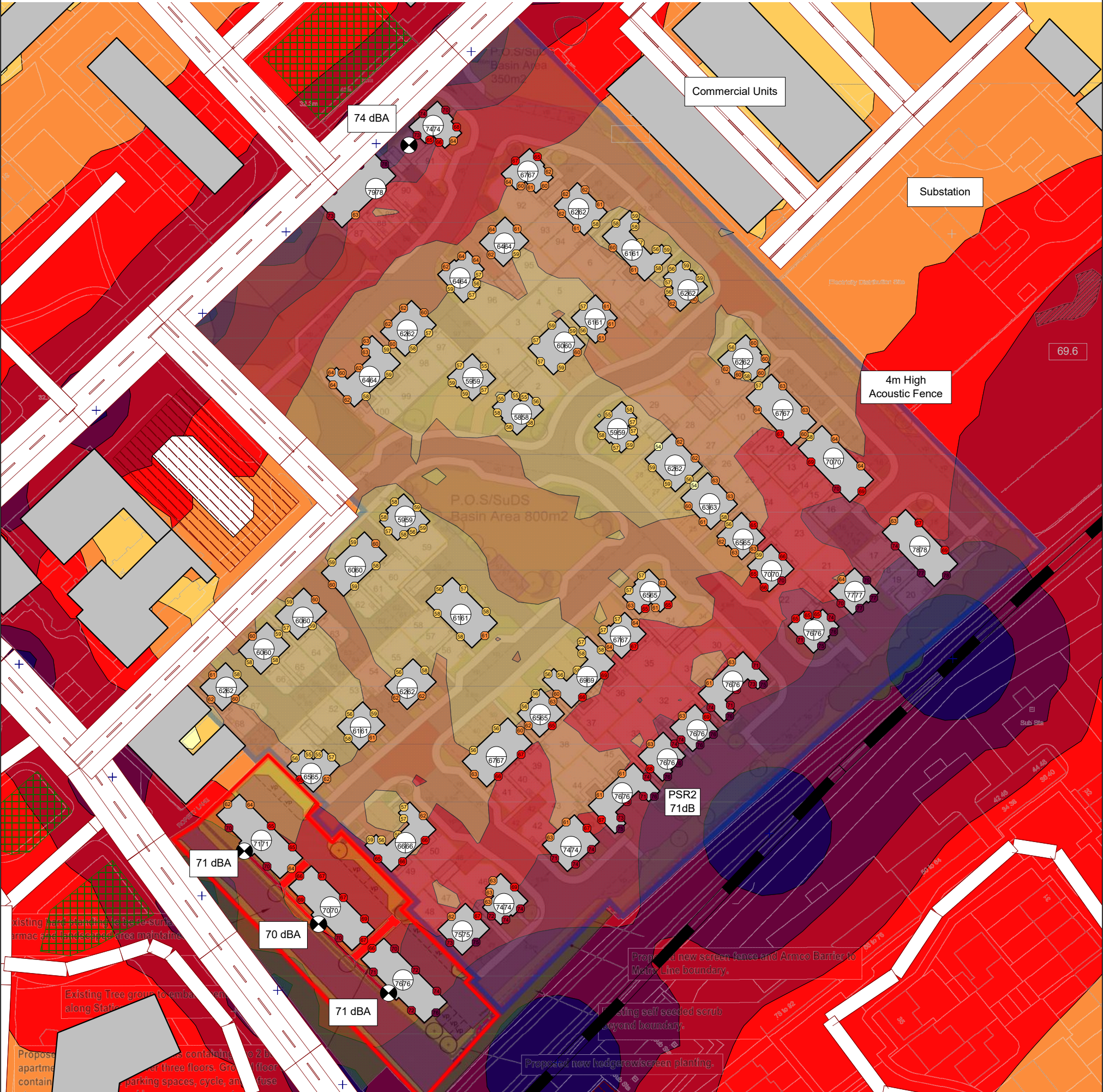
Director



	Client: The Shlomo Memorial Trust	Figure 1: Daytime Transportation Noise Levels 1.5m Grid Height (dB LAeq, 16h)	0 <= ... < 35 35 <= ... < 40 40 <= ... < 45 45 <= ... < 50 50 <= ... < 55 55 <= ... < 60 60 <= ... < 65 65 <= ... < 70 70 <= ... < 75 75 <= ... < 80 80 <= ...
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	Client: The Shlomo Memorial Trust	Figure 2: Night-time Transportation Noise Levels 4m Grid Height (dB LAeq,8h)	0 <= ... < 35 35 <= ... < 40 40 <= ... < 45 45 <= ... < 50 50 <= ... < 55 55 <= ... < 60 60 <= ... < 65 65 <= ... < 70 70 <= ... < 75 75 <= ... < 80 80 <= ...	
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	Client: The Shlomo Memorial Trust	Figure 3: Night-time Transportation Noise Levels 4m Grid Height (dB LMax)	0 <= ... < 35 35 <= ... < 40 40 <= ... < 45 45 <= ... < 50 50 <= ... < 55 55 <= ... < 60 60 <= ... < 65 65 <= ... < 70 70 <= ... < 75 75 <= ... < 80 80 <= ...	
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	Client: The Shlomo Memorial Trust	Figure 4: Mitigation for Living Rooms: Unmarked facades have no specific requirements	<table><tr><td>Key:</td><td>Living Rooms; Required Mitigation:</td></tr><tr><td></td><td>4/12/4mm glazing; EAR42W acoustic vents</td></tr></table>	Key:	Living Rooms; Required Mitigation:		4/12/4mm glazing; EAR42W acoustic vents	 Date: Feb 2026
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	4/12/4mm glazing; EAR42W acoustic vents							
Job Title: NJD18-0068-002R Ashworth Frazer, Hebburn	Drawn By: NJ Dennon							



	Client: The Shlomo Memorial Trust	Figure 5: Mitigation for Bedrooms: Unmarked facades have no specific requirements	<table><tr><th>Key:</th><th>Bedrooms; Required Mitigation:</th></tr><tr><td></td><td>4/12/4mm glazing; EAR42W acoustic vents</td></tr><tr><td></td><td>6/12/4mm glazing; EAR42W acoustic vents</td></tr><tr><td></td><td>10/12/6mm glazing; EAR42W acoustic vents</td></tr></table>	Key:	Bedrooms; Required Mitigation:		4/12/4mm glazing; EAR42W acoustic vents		6/12/4mm glazing; EAR42W acoustic vents		10/12/6mm glazing; EAR42W acoustic vents	 Date: Feb 2026
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