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9 July, 2020
Refer: 6730-2.1L

Attention: Mr Orhan Kaba
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RESPONSE TO COUNCIL REQUEST FOR FURTHER INFORMATION PROPOSED MOSQUE - 64 MOUNTFORD AVENUE, GUILDFORD, NSW

We are pleased to advise that we have reviewed Cumberland City Council's Request for Further Information (RFI) letter, dated 2 June 2020 for DA2020/0081.

The following information relating to acoustics is requested in the letter:

6. Health referral comments

- a. *Given there is an existing mosque on site, clarification is required as to whether the background noise data gathered for the residential receivers was obtained when the existing mosque on site was in operation.*
- b. *The night time amenity criteria calculated for Receiver Location A appears to have been calculated incorrectly. The existing noise level in the night time period is 51dBA, and the resultant project amenity noise level for night time is 43dBA, which is not more than 10dB below the existing noise level. Therefore the night time amenity criteria for Location A should be 43dBA and not 44dBA as stated in the report.*
- c. *The report adopts a shoulder period criteria for both the early morning period (6am – 7am), and night period (10pm – 11pm). However the facility will be still be generating noise outside of these periods, particularly with patrons arriving 30min before the 6am service and leaving up to 30min after the last seminar finishes at 11pm (as is acknowledged in the report itself). The shoulder periods should therefore be expanded to accommodate the likely duration of activities at the site including worshippers leaving and arriving before and after services.*
- d. *Sleep disturbance criteria have been calculated off the shoulder periods. The criteria may need to be adjusted based on re calculation of the shoulder period*



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RBLs allowing for patrons arriving/leaving 30min before/after services (see point above).

- e. *Exceedance of the project specific criteria and sleep disturbance criteria are predicted for some residential receivers. The consultant has recommended a number of noise attenuation measures, including the need for installation of acoustic treatments on one of the affected residential dwellings nearby. This is not considered a particularly appropriate noise mitigation measure, as it requires the existing neighbour to modify their dwelling to shield them from noise from a new proposed development. Furthermore, installing glazing and acoustic seals on the dwelling only reduces noise from entering the dwelling itself. It does not address the issue of excessive noise in other parts of the residential premises such as the yards, garden, front patio, etc. Project specific noise criteria generally apply at the boundary of receivers as it is assumed that existing receivers have a reasonable expectation to not be unduly affected by noise from new developments in their premises, whether that be in their external garden/yard or inside their dwelling. The proposed mitigation measure does not provide any solution to the exceedance of criteria predicted at the boundary and in the external areas of the neighbouring premises. The applicant will need to provide a more appropriate noise mitigation solution for the affected residential receiver/s that will address noise impacts in both the external and internal areas of the receiver.*

Parts a, c, d and e have been addressed in the revised Environmental Noise Impact Assessment Report, 6730-1.1R Rev A, dated 8 July, 2020.

Information relating to part b is provided below:

Day Design advise that the correct method as per Section 2.4 of the NSW Noise Policy for Industry (2017) has been adopted in the report.

‘To ensure that industrial noise levels (existing plus new) remain within the recommended amenity noise levels for an area, a project amenity noise level applies for each new source of industrial noise as follows:

Project amenity noise level for industrial developments = recommended amenity noise level (Table 2.2) minus 5 dB (A).

The following exceptions to the above method to derive the project amenity noise level apply:

3. **Where the resultant project amenity noise level is 10 dB or more lower than the existing industrial noise level. In this case the project amenity noise levels can be set at 10 dB below existing industrial noise levels if it can be demonstrated that existing industrial noise levels are unlikely to reduce over time.’**

In this case 45 (recommended night time amenity noise level in Table 2.2 if the NPI) – 5 dB = 40 dBA which is 11 dB lower than the existing noise level of 51 dBA, therefore Part 3 above



is applicable, i.e. $51 - 10 = 41$ dBA (+ 3 dB for 15-min correction). Resulting in a Project Amenity Noise Level at Location 'A' of 44 dBA $L_{eq, 15 \text{ minute}}$ (night).

We trust the above information and information contained in the revised acoustic report satisfy Cumberland City Council's RFI.



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for and on behalf of Day Design Pty Ltd

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