Attachment D

Acoustic Statement

MEMORANDUM

TO:	Dale Branch	**DATE:**	19 August 2024
COMPANY:	CPG Onslow Pty Ltd		
EMAIL:	-		
FROM:	Matthew Furlong		
SUBJECT:	**1 Onslow Place, Elizabeth Bay – Rooftop Pool Acoustic Review – R1**		

Pulse White Noise Acoustics Pty Ltd (PWNA) has been requested to undertake a review of the proposed rooftop pool to be located on the Level 7 slab of the approved residential development to be constructed at 1 Onslow Place, Elizabeth Bay NSW.

PWNA has previously undertaken several acoustic assessments for the site as part of the Development Application (DA) D/2022/456 to the City of Sydney Council (CoS) and associated NSW Land Environmental Court (LEC) proceedings. The most recent acoustic planning report is *220183 - 1 Onslow Place, Elizabeth Bay - Noise Impact Assessment – R5* (Dated 26th April 2023) in which existing background noise levels have been determined and project noise emissions criteria are developed.

Regarding the potential noise and vibration impacts associated with the proposed rooftop pool we note:

- The proposed pool dimensions are approximately 2.2m wide, 5.1m long and 1.2m deep. Meaning the pool is not likely to generate high noise activities such as jumping, bombing, water games or the like. As such the noise generated by the proposed 1 Onslow Place rooftop pool would be significantly lower than that of a typical larger in ground pool. It could (acoustically) be considered as a plunge pool.

- As the pool is not a communal asset, rather belonging to Apartment 6, the noise associated with its use will result in a similar noise impact to if the occupants of Apartment 6 utilized their private open space located on level 6 below.

- As such, the proposed pool won't result in a greater noise impact than which is already approved. The noise associated with the use of the pool is similar to the likely noise emitted from the other balconies in the development.

- Further we note, noise associated with use of private open spaces, backyards, pools or the like are not governed under any acoustic requirements listed in the NSW EPA NPfI 2017 or CoS LEP or DCP's. Therefore, a quantitative assessment is not required in regards to the noise associated with its use.

- Regarding the noise associated with the plant which services the rooftop pool, this would need to be fully compliant with the relevant plant noise requirements as previously approved. As the rooftop pool is likely to have associated plant noise associated with these systems do have

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requirements under the NSW EPA NPfI 2017 or CoS LEP or DCP's, including the previously submitted PWNA Acoustic Report. As such the operation of these systems will need to be fully compliant with the requirements of the previously mentioned documents.

- Although a final plant selection has not been made, after a review of the proposed plant locations, being below the raised deck used to access the pool we believe compliance with the requirements of the previous PWNA Acoustic Report and its adopted acoustic guidelines including the NSW EPA NPfI 2017 or CoS LEP or DCP's can be achieved.

- We would recommend a condition of consent be adopted which requires the noise associated with the operation of plant serving the rooftop pool to be compliant with the previously approved acoustic report prepared by PWNA as mentioned above.

Therefore, based on the information contained above, the proposal is acoustically acceptable and will achieve all relevant acoustic requirements.

For any additional information please do not hesitate to contact the person below.

Regards

Matthew Furlong
Principal Acoustic Engineer (MAAS + AAAC member)
Pulse White Noise Acoustics