

**65 MUSTON STREET, MOSMAN
DA ACOUSTIC REPORT
FOR
PROSKER PROPERTY PTY LTD**



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PTY LTD

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**65 MUSTON STREET, MOSMAN
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**65 MUSTON STREET, MOSMAN
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CONSULTANT DECLARATION

PROJECT DETAILS	
PROJECT NAME	
Application number	SSD-98068713
Address of subject land	65 Muston Street, Mosman
Lot / DP	SP 32953
APPLICANT DETAILS	
Applicant name	Prosker Property Pty Ltd
Applicant address	30A Redan Lane, Mosman.
REPORT DETAILS	
Name of report this declaration relates	Acoustic Report
Report reference no.	26052
Report date	11 February 2026
Company name (inc. ABN / ACN)	12 003 731 851
Author name	Joel West & Warwick West
Author qualifications	Joel West: AffilM IEAust, Grad. Dip. Eng. Warwick West: MIEAust, CPEng, NER APEA Engineer IntPE Aust, BE, Grad. Dip. Arch. Acou. UNSW MAAS, Reg Engineer Dept FairTrading;2025 & 3278,
Author address	39 Smith Ave, Allambie Heights
DECLARATION BY CONSULTANT	
Name	Warwick West
Registration no.	2210
Organisation registered with	AAS
Declaration	The undersigned declares that 25489:

PROJECT DETAILS

- has been prepared in accordance with the following policy, guidelines, or legislative requirements:
 - Environmental Protection Agency (EPA) published the Interim Construction Noise Guideline 2009
 - AS 2436; 2010- 'Guide to noise and vibration control on construction, demolition and maintenance sites'
 - Noise Guide for Local Government 2010;
 - DECC&W (EPA) publication "Assessing Vibration-a technical guideline" -2006
 - Mosman Council DCP
 - Noise Policy For Industry 2017
 - AS 2107, 2016, titled 'Acoustics, Recommended design sound levels and reverberation times for building interiors'
 - NCC/BCA 2022
- contains all available information relevant to the environmental assessment of the development, activity or infrastructure to which the acoustic report relates;
- does not contain information that is false or misleading;
- identifies and addresses the relevant Planning Secretary's environmental assessment requirements (SEARs) for the project;
- identifies and addresses the relevant statutory requirements for the project, including any relevant matters for consideration in environmental planning instruments to which the acoustic report relates;
- contains a consolidated summary of the proposed or necessary mitigation measures

Signature

65 MUSTON STREET, MOSMAN ACOUSTIC REPORT FOR PROSKER PROPERTY PTY LTD

1. EXECUTIVE SUMMARY

We believe the site can easily achieve acoustic compliance with all relative standards and regulations. Due to the overall quiet nature of the area there are no acoustic requirements or recommendations for the architectural structure.

From our review we can confirm that for acoustic reasons no mechanical supply of outside air is required and glazing requirements can be met with standard 6.38Lam glass. This excludes any code required supply of outside air which shall be determined by the mechanical contractor.

We do note that during the CC stage specific attention must be paid to the mechanical ventilation system to ensure compliance with RBL+5dB(A).

We recommend a time limitation on the pool between 07:00 am and 10:00pm to exclude use during the night time period subject to further testing post construction.

We have no recommended time limitations for the roof top communal open space.

Based on our assessments carried out within this acoustic report we expect the development of this project to be able to be suitably built in a method that is in full compliance with the criteria set out by the following codes and regulations;

- Noise Guide to Local Government
- Noise Policy for Industry 2017
- Mosman Council DCP
- SEARS Guideline

2.PROJECT DESCRIPTION

2.1.REPORT TO SUPPORT DEVELOPMENT APPLICATION

This Acoustic Report has been prepared for the property located on 65 Muston Street, Mosman for the repurpose of site for the use as a residential development.

The report is aimed at addressing noise from the district and noise created at site by occupant use and mechanical services plant at the closest sensitive receiver locations.

2.2.SEARS REPORTING

Item	SEARS Requirement	Relevant Section of Report
10.0	Noise and Vibration Provide a noise and vibration impact assessment prepared in accordance with the relevant NSW Environment Protection Authority (EPA) guidelines. The assessment must detail construction and operational noise and vibration impacts on nearby sensitive receivers	7. NOISE FROM PROPOSED DEVELOPMENT

and structures and outline the proposed management and mitigation measures that would be implemented.

2.3.REFERENCE DOCUMENTATION

The report is based on the details given in the following set of documents:

1. Studio Johnston Architectural Drawings, Project 65 Muston Street, Mosman Dated: 10 February 2026

2.4.DESCRPTION OF THE SITE

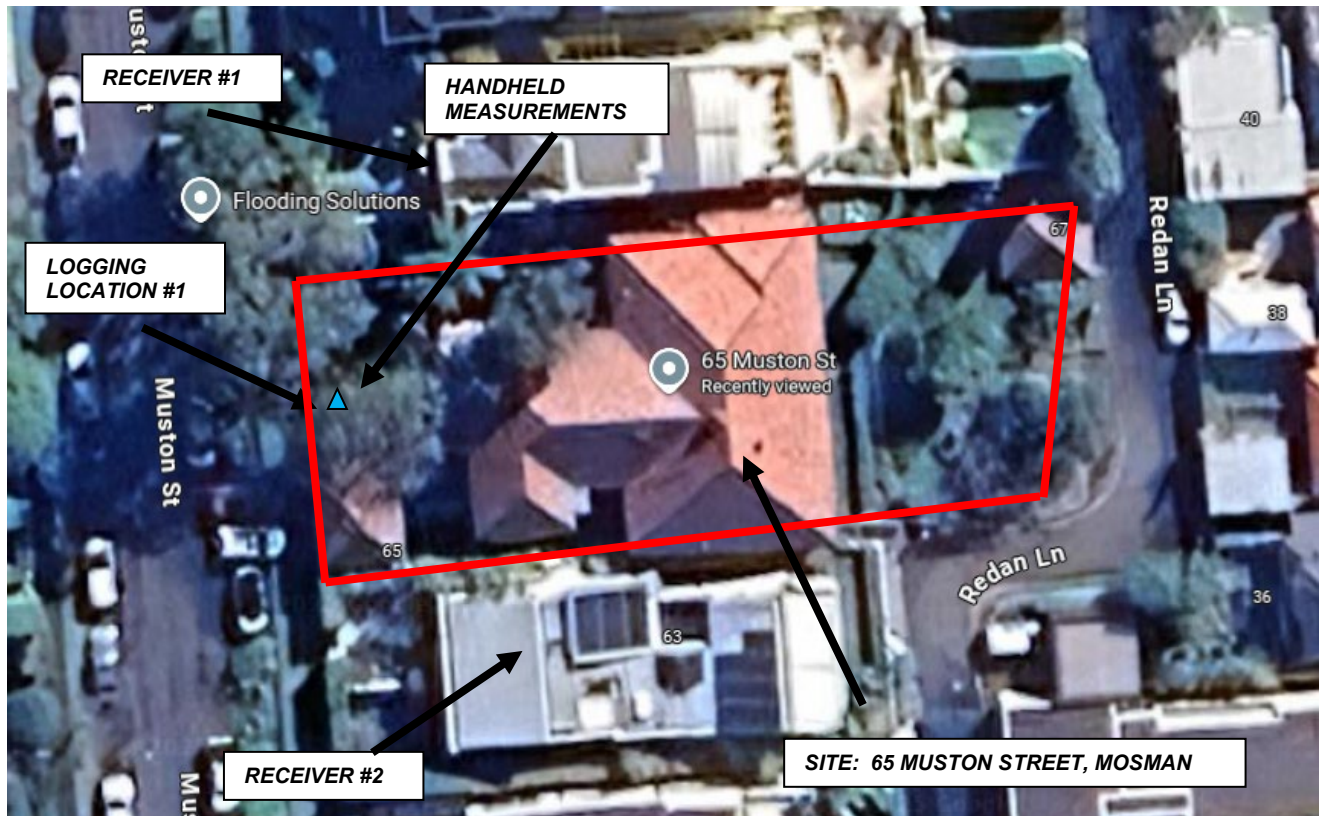
The proposed site consists of an existing multi apartment complex to be fully demolished and the site to be reused fully for the proposed works.

The existing front of the site is shown in the photo below.



Photo of site; 65 MUSTON STREET, MOSMAN

The existing site and surrounding area can be seen in the Google Aerial Photo below:



Google Aerial Photograph,

2.5.CLOSEST SENSITIVE RECEIVERS

The site currently sits in a predominately residential with surrounding residential properties in the area. The closest residential sensitive receivers have been identified below and shown on the Google aerial photo above.

The neighbouring closest sensitive receiver has been identified below:

- Location #1, Existing Residential Receiver – 63 Muston Street
- Location #2, Existing Residential Receiver – 67 Muston Street

2.6.DISTRICT BACKGROUND NOISE

District background noise in the immediate location of the proposed site is dominated by road traffic noise from Muston Street. Redan Lane will also contribute some noise to the site however being a smaller lane way it is not used for thoroughfare throughout the area and is predominantly used by slower moving vehicles accessing driveways.

2.7.TRAFFIC NOISE AT PROJECT LOCATION

The dominant background noise for this project is road traffic noise from Muston Street on the Western side of the property. As the site is located 138m away from Military Road being the main thoroughfare to the city. Due to the overall distance of 138m we have determined that an assessment of vehicle noise per The State Environmental Planning Policy 2021 is not required.

2.8.COMMERCIAL AREA NOISE AT PROJECT LOCATION

The site is located in a predominantly residential area with no immediate adjacent commercial properties.

2.9.PROPOSED HOURS OF OPERATION

As the project consists of residential properties the proposed hours of operation would be 24/7.

3.NOISE CRITERIA

3.1.MOSMAN COUNCIL DCP

Within the Mosman Council DCP the following is stated;

Good design can minimise the loss of visual and acoustic privacy by reducing the extent of overlooking between dwellings and into the private open space of neighbouring dwellings, and through the careful placement of rooms and facilities. Privacy and protection from unreasonable noise are important quality of life considerations in relation to housing and should influence all stages of design, from the siting and internal layout of dwellings to the detailed characteristics such as fencing. It is important to note, however, that absolute levels of privacy in a densely built up environment such as Mosman are not always possible. Good design can also reduce opportunities for crime and contribute to the security and safety of residents and visitors.

3.2.NOISE POLICY FOR INDUSTRY

The Noise Policy For Industry 2017 documents the requirements for determining the Noise Trigger Level and Sleep Disturbance.

3.3.CODE AS2107

Both the recommended indoor mechanical services sound levels and recommended internal criteria for traffic noise is nominated in the code AS 2107, 2016, titled 'Acoustics, Recommended design sound levels and reverberation times for building interiors' which is used for the areas not covered by the City's DCP as set out in the Table below:

Table 1; Recommended internal design sound levels L_{Aeq} -dB(A)

	AS 2107 Satisfactory ①	AS 2107 Maximum ②	Selected Req. ③
- Bedrooms	30 dB(A)	40 dB(A)	35 ③
- Living Areas	35 dB(A)	45 dB(A)	40 ③
- Toilets & Bathrooms, Hallways	45	55	55
- Car park	55	65	65

① AS 2107 Satisfactory; regarded as appropriate in areas of major roads

② AS 2107 Maximum; regarded as level where most people become dissatisfied

③ DCP Controls 35 dB(A) @ 1 Hour reputable maximum for the night period with windows closed

3.4.COMPLIANCE WITH THE BUILDING CODE OF AUSTRALIA

Compliance with the Building Code of Australia (BCA) is a statutory requirements of new residential multi occupancy buildings. F7 of the BCA/NCC 2022 details the "Sound Transmission and Insulation Requirements" for residential developments. Specifically addressing separating walls and floors.

The acoustic criteria for the internal walls are stated within the BCA and are listed below:

- 50 Rw+Ctr for a wall separating Sole Occupancies (Discontinuous construction required)
- 50 Rw for a wall separating Sole Occupancy with a plant room, lift shaft, stairway, public corridor, public lobby, or parts of a different classification (Discontinuous construction not required)
- 40 Rw+Ctr for a services shaft wall if adjacent to a habitable room
- 25 Rw+ Ctr for a services shaft wall if adjacent to a kitchen or non-habitable room

4.NOISE MEASUREMENTS

4.1.DISTRICT BACKGROUND NOISE MONITORING LOCATION AND TIME

The fifteen minute continuous L_{Aeq} , L_{A90} , and L_{A1} descriptor background noise monitoring was carried out at 4 meters above ground level at the monitoring location 1 between 10:45 25/08/2025 and 9:15, 01/09/2025 located at the front of the proposed site.

The log of the results of background noise monitoring for the site is shown in Appendix 1. Raw data is available upon request.

4.1.1.Monitoring Instrumentation

Noise measurement instrumentation used to log continuous district background noise in this report is an ARL, Model EL 316 (Type 1) environmental noise logger Serial No. 16-203-500. Attended site analysis of district noise was taken using a SVAN 945A sound analyser, Serial No 9418. Field calibration checks for the instruments were carried out using a Acoustic Calibrator Type Rion NC 73 Serial No. 11127967. All instruments hold current NATA calibration certificates and measurement instruments are in accordance with the requirements of AS 1259.2, Sound Level Metres, Integrating Averaging.

4.1.2.Monitoring, Calibration and Calculation Procedures

In accordance with the procedures laid out in AS 1055.1 field calibration check of the environmental noise logger was carried out immediately prior to and at completion of monitoring sessions and instrument was found to be within the specified limits.

A microphone wind-guard was in place for the full duration of the monitoring and so no correction factor required.

The 15minute L_{Aeq} and L_{A90} , log results were down loaded and single figure L_{A90} representative values calculated using Microsoft Excel software in accordance with the procedures given in the INP for the day (7AM to 6 PM), the evening period, (6 PM to 10 PM) and the night time period, (10PM to 7 AM) and single figure L_{Aeq} over the days monitored. The Repeatable Maximum L_{Aeq} (1 Hour) day and evening log results were calculated between 6 AM to 10 PM and night log results between 10 PM and 6 AM

4.1.3.Environmental Conditions During Monitoring

Temperatures on site were between 10 to 30°C for the logging period.

Wind Speed was monitored at Sydney Airport. The results of the log indicated that at no time during the logging period did the local wind speed exceed the maximum level of 5 M/S.

Metrological data including temperature, barometric pressure, wind speed at site were not outside the recommendations of AS 1055 and INP and so the L_{A90} and L_{Aeq} measurements are considered valid

The resulting L_{A90} log averages over the period monitored was then used to determine the Intrusiveness Criteria. The resulting L_{Aeq} log averages over the period monitored was then calculated and used to determine the Amenity Criteria. The Project Specific Noise Level for the site was determined as the lesser of the Intrusiveness and Amenity Criteria.

4.1.4. Logger Settings

The settings of the environmental noise logger is shown in the Table below:

Table 2; Noise Logger Settings

Acoustic Research Laboratories Pty Ltd - Type 1 Environmental Noise Logger	Logger Settings
Frequency Weighting	A
Time Averaging	Fast
Statistical Interval	15 minute
Pre-measurement Reference	94.1
Post-measurement Reference	94
Engineering Units	dB SPL

4.2.BACKGROUND NOISE RESULTS

4.2.1. Background Noise Single Figure Results

Analysis of the 15 minute L_{A90} and L_{Aeq} results were carried out using Microsoft EXCEL according to the requirements of the INP and the single figure RBL and the site noise from road traffic results for each period are shown in the table below:

Table 3; Single Figure RBL's and Site Noise for Project

NOISE DETAILS/Period times	Day (0700 to 1800)	Evening (1800 to 2200)	Night (2200 to 0700)
Location 1 RBL L_{A90} 15 min	40.8	39.0	34.8
Location 1 L_{eq} 15 min period log average Noise	55.7	48.6	46.1

Table 4: Summary of Traffic Noise For Each Facade

Road Traffic Noise Monitored L_{Aeq} , -	Day L_{Aeq} , T=15hr	Night L_{Aeq} , T=9hr
Road Traffic Noise East Facade L_{Aeq} ,	53.4	46.1

5.NOISE POLICY FOR INDUSTRY

5.1.EXTERNAL NOISE LEVEL DETERMINATION IN ACCORDANCE WITH NOISE POLICY FOR INDUSTRY 2017 - NOISE TRIGGER LEVEL

5.1.1.Single Figure Results

The Noise Policy for Industry 2017(NPFI) requires:

- Intrusiveness Criteria be determined by calculating the Rated Background Levels (**RBL**) over the days monitored. We used the 5 days of 15 minute noise logging at site found in Appendix 1 to determine the background, the L_{A90} background noise logged result reflected a reliable background level. Being measured adjacent to Closest Sensitive Receiver #1.
- The Project Trigger Noise Level or external noise criteria for the project is determined as the lesser of the Intrusiveness and Amenity Criteria for the site for each period of the day.

Table 5; Noise Monitoring Results - Location 1

Period times	Day (0700 to 1800)	Evening (1800 to 2200)	Night (2200 to 0700)
Location RBL L_{A90} 15 min- ①	40.8	39.0	34.8
Location Intrusiveness Criteria L_{Aeq} 15 min RBL + 5	46	44	40
Project Amenity Noise Level at Closest Sensitive receivers L_{Aeq} 15 min, (SubUrban Table 2.2 NPFI)	55	45	40
Selected Project Trigger Level	55	45	40
Project Trigger adjacent to closest residence	55	45	40
L_{Aeq} 15 min, day period Local Road Traffic	55-5+3=53 ②	45-5+3=43 ②	40-5+3=38 ②
Industrial Noise Trigger Level(PSNL) L_{Aeq} 15 min =stricter of Intrusiveness and Amenity Criteria R	46	43	38

① RBL at Boundary L_{A90} T=15 min from Appendix 1 results

② Site Noise, Additional 3 dB added to L_{Aeq} T=15 min measured value from Appendix 1 results

5.1.2. Project Trigger Noise Level for this Project

The PTNL for the front of site based on unattended noise logging over the period is therefore taken as **46 dB(A)** in the day period, **43 dB(A)** in the evening period and **38 dB(A)** in the night period which are required to be measured as a L_{Aeq} , t=15 min descriptor.

We note that assessing the PTNL for this project under the full 7 day logging or the shorter 5 day period has zero implication of the final determined PTNL.

6.DETERMINATION OF CONSTRUCTION REQUIREMENTS

6.1.CALCULATIONS OF BUILDING ATTENUATION WORKS USING AS 3671

The calculation method to determine the attenuation of facade elements is given in AS 3671; 1989 which uses the 9 hour log average for the night period.

Code AS 3671 defines Road Traffic Noise Reduction(TNR) as the difference between the appropriate $L_{Aeq, T}$ monitored and the appropriate internal or "receiving" room background level L_{Arec} and values for this site are shown in the Table below:

Table 6; Noise Reduction Determination L_{Aeq} -dB(A)

Face, Location & Use of Space in the Building	$L_{Aeq, T}$ ①	L_{Arec} ②	TNR (①-②)	Construction Category ③
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All bedroom Facades	46 dB(A)	35 dB(A)	11	Category 1
All habitable facades	46 dB(A)	40dB(A)	6	Category 1

- ① Night period 1Hr LAeq value
 ② Recommended internal level from DCP
 ③ Construction 1, 2, & 3 Categories defined in AS 3671 as, Category 1 is TRN=< 10, Category 2 is TRN>10 ,<=25 and Category 3 TNR >25, <=35, Category 4 > 36

6.2.EXTERNAL BUILDING DESIGN REQUIREMENTS

Using the above Traffic Noise Reduction figures we have calculated the Rw requirements for construction on each facade including window requirements.

Table 7; Calculated Traffic Noise Wall Attenuation for each Facade

Face, Location all levels & Use of Space in the Building	TNR	TNAc Requirement	Rw equivalent
All bedroom Facades	11	11	14
All habitable facades	6	6	10

Table 8; Calculated Window & Sliding Door Attenuation

Face, Location all levels & Use of Space in the Building	TNR	TNAc Requirement	Rw equivalent
All bedroom Facades	11	13	17
All habitable facades	6	8	12

Using the above calculated required attenuation figures we have nominated possible complying construction combinations.

We note that the below combinations have been prepared as an example and the project is not required to use the exact nominated combinations. The only criteria for construction combinations is the calculated Rw attenuation addressed above. Different manufacturers will have different frame systems which may result in varying attenuation levels. It is important that all attributes of the glazing system be incorporated into the final installed product such as;

- Appropriate framing to achieve required attenuation
- Appropriate level of glass thickness
- Appropriate sealing of glazing joins such as rubber seals
- Appropriate sealing around the frame of the window

Table 9; Example Complying Combinations AWS WHITEPAPER ACOUSTIC DETAILS

Item	Combination	Combination Attenuation	Required Attenuation
Fixed Glazing	6.38mm Lam Glass in frame.	32Rw	12-17Rw
Awning Windows	6.38mm Lam Glass in frame. (ATF1211)	34Rw	12-17Rw
Sliding Windows	6.38mm Lam Glass in frame. (ATF813)	32Rw	12-17Rw

Sliding Door	6.38mm Lam Glass in frame. (ATF792)	30Rw	12-17Rw
Roof	CSR 6402	41Rw	14Rw

We recommend that prior to CC window attenuation requirements are recalculated to ensure required attenuation. We also recommend that during the construction stage our acoustic report is provided to the window manufacturer to ensure that the installed products meet the calculated attenuation.

We note that we recommend rubber seals to be installed on all windows.

6.3. VENTILATION TO BEDROOMS AND HABITABLE ROOMS

We have used the 9hr log average for the night period being 46.1dB(A) to determine applicable internal noise levels. From our calculations applying distance from site of measurement and 10Rw for an open window we have determined that the internal noise levels will comply with 35dB(A) per AS2107. Therefore, no requirement for mechanical supply of outside air is required and the building can be naturally ventilated.

7. NOISE FROM PROPOSED DEVELOPMENT

7.1. SOURCES OF NOISE FROM SITE

7.1.1. Mechanical Services Noise

Mechanical Services that may be generated at site will include the following:

- Mechanical ventilation for below ground level car park & services rooms
- Air Conditioning with outdoor air /ventilation
- Unit ventilation

7.1.2. Vehicle Noise

As the site contains a car park we would expect some vehicle noise present on site as residents arrive and leave. We note that cars entering and leaving the driveway will have to drive slower than typical traffic for the area and thus would create less noise than existing cars using the street.

7.1.3. Communal Open Space

The architectural plans show various communal open spaces as follows;

- Communal open space and pool with spa on the lower ground level, North of site.
- Communal open space on the roof.

7.2. MECHANICAL SERVICES NOISE LEVELS

7.2.1. Internal Noise levels from Building Plant

The DA drawings do not include any details of the proposed mechanical Services proposed to be installed. Therefore the internal noise levels produced by the mechanical services plant on site that includes the bathroom exhaust fans, air conditioning units /ventilation fans shall comply with the levels given for the nominated spaces as listed in Table 1.

7.2.2.External Noise levels from Building Plant

The DA drawings do not include any plans or make and model numbers of the equipment of the proposed Mechanical Services proposed to be installed.

Therefore, the external noise levels produced by the mechanical services plant on site that includes the bathroom exhaust fans, air conditioning units /ventilation fans shall comply with the Project Specific Noise level requirement for the day and evening with services to be inaudible inside closest sensitive receivers during the night time.

The architectural plans show the plant to be on the roof which typically can be easily treated with screens to meet compliance.

The only information provided at the time of preparing this report is kW sizes of the air cooled condensers with the maximum size being 31kW.

Due to this we have nominated a Daikin REYQ12BYM9 for the purpose of this report with a published noise level of 59dB(A). We have calculated this equipment at the closest sensitive receiver to be below 35dB(A) by incorporating the overall distance to the most practical point of receiver.

Due to this we expect compliance for the various mechanical ventilation services to be easily achieved but do recommend a full assessment be carried out when complete mechanical services details are available, typically during the CC stage.

7.3.VEHICLE NOISE

7.3.1.Vehicle Noise Generally

The premises will have vehicles arriving and leaving the site however as the vehicles have to travel slower than general traffic in the area to enter and leave the drive way the expected vehicle noise is not to exceed existing background noise levels.

7.3.2.Vehicle Noise At Closest Sensitive Receivers

In order to assess the impact vehicle noise will have on closest sensitive receivers we have carried out the following assessment;

Table 10: Summary of Vehicle Noise Intrusion for surrounding properties

Noise Source	Closest Sensitive Receiver	Noise Level	Noise Level at Closest Sensitive Receiver	PSNL Day/ Evening/ Night	Compliance
2 Car's moving slowly	Receiver 1	48.8dB(A) @ 2m	<40dB(A)	46 / 43 / 38 dB(A)	Yes/Yes/Yes
2 Car's moving slowly	Receiver 2	48.8dB(A) @ 2m	<40dB(A)	46 / 48 / 40 dB(A)	Yes/Yes/Yes

7.4.COMMUNAL OPEN SPACE

7.4.1.Communal Open Space Noise Spectrum

This has been based off previously measured communal open space noise with approximately 40 people talking.

We note that more relaxed social swimming in the pool area could potentially generate less noise.

The noise spectrum of the communal open space noise has been included within the table below:

Table 11: Noise Level Spectrum

	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	dB(A)
Communal Open Space	55	63	60	59	58	55	50	46	62 @ 3M

7.4.2. Communal Open Space Noise On Closest Sensitive Receivers

Based on the above acoustic model and parameters given, we have calculated the resulting sound pressure levels at each of these closest affected residences & have listed the relevant criteria as shown in the table below:

Table 12: Summary of Outside Noise Intrusion for surrounding properties

Source Location	Closest Sensitive Receiver	Noise Level	PSNL	Calculated Noise Level	Compliance with Criteria
LG COS & POOL	Closest Sensitive Receiver 1 Ground floor windows	62dB(A) @3m	46 / 43 / 38 dB(A)	46dB(A)	Yes / No / No
LG COS & POOL	Closest Sensitive Receiver 1 First floor windows	62dB(A) @3m	46 / 43 / 38 dB(A)	37dB(A)	Yes / Yes / Yes
COS Roof	Closest Sensitive Receiver	62dB(A) @3m	46 / 43 / 38 dB(A)	<35dB(A)	Yes / Yes / Yes

8. OPERATIONAL NOISE EMISSION STATEMENT

Due to the nature of the development the only expected operational noise would be the mechanical exhaust system and people noise from the external communal open space.

During this stage of the development mechanical services designs have not been completed and therefore we cannot comment on compliance.

We do note that due to the low nature of background noise within the area specific acoustic attention must be paid to the final designed mechanical exhaust system. Based on our experience this would consist of the following;

- Acoustic silencing on the car park ventilation system
- Acoustic treatment of Air Cooled Condensers serving the air conditioning systems

Mechanical ventilation systems such as toilet exhaust typically contain a small internally mounted fans that do not affect background noise or neighbours.

The mechanical services equipment must comply with the relevant criteria being RBL+5dB(A) during the day and evening and inaudible inside adjacent receivers.

9. TRANSPORT NOISE IMPACT STATEMENT

As addressed within section 7.3 we believe the acoustic impact of cars on the area would be negligible due to the requirement of the cars to drive slower. The site also contains

approximately 29 car spots being significantly higher occupant to car spot ratio than existing and therefore would reduce the load on local street parking.

10.CONCLUSION

Based on our above assessments we believe the site can easily achieve acoustic compliance with all relative standards and regulations. Due to the overall quiet nature of the area there are no acoustic requirements or recommendations for the architectural structure.

From our review we can confirm that no mechanical supply of outside air is required and glazing requirements can be met with standard 6.38Lam glass.

We do note that during the CC stage specific attention must be paid to the mechanical ventilation system to ensure compliance with RBL+5dB(A).

We recommend a time limitation on the lower ground communal open space between 07:00 am and 10:00pm to exclude use during the night time period subject to further testing post construction.

Based on our assessment we have no recommended time limitations for the roof top communal open space.

Based on our assessments carried out within this acoustic report we expect the development of this project to be able to be suitably built in a method that is in full compliance with the criteria set out by the following codes and regulations;

- Noise Guide to Local Government
- Noise Policy for Industry 2017
- Mosman Council DCP
- SEARS guideline

End of Report

65 MUSTON STREET, MOSMAN

Background Noise Monitoring Location #1

