6 February 2020

303, 74 Pitt Street
Sydney, NSW 2000

Attention: DECC
Brenton Watson

85 Carabella Street, Kirribilli – Construction Noise Monitoring

This report correspondence confirms than construction noise monitoring can be undertaken on the site to ascertain the magnitude of noise levels impacting on the surrounding residential receivers.

To assess construction noise levels a number of options are available which include the following:

1. Short term attended measurements – This includes an engineer attending the site and recording noise levels. Noise measurement locations can be conducted at a number of locations and details of the activities generating the noise recorded. Based on the results noise mitigation strategies can be developed for the highest noise emitting equipment to mitigation noise impact to surrounding neighbours.
2. Long term unattended noise logging – This includes installation of noise logger/s at the site which will continuously record the magnitude of noise on the site. The results will include statistical noise levels without information regarding the source of the noise
3. A strategy of a combination of short term attended and long term unattended noise logging.

Based on the locations of noise impact surrounding the site it is possible that a combination of long term and short term noise testing could provide the most beneficial information for the assessment and future mitigation of construction noise at the site.

ABN: 35 632 449 122

This could include 1 noise logger at the site which is supplemented by attended noise levels at a number of locations during a period when construction (excavation activities) are in operation.

Possible locations of attended and unattended noise logging/measurements are detailed in the figure below.

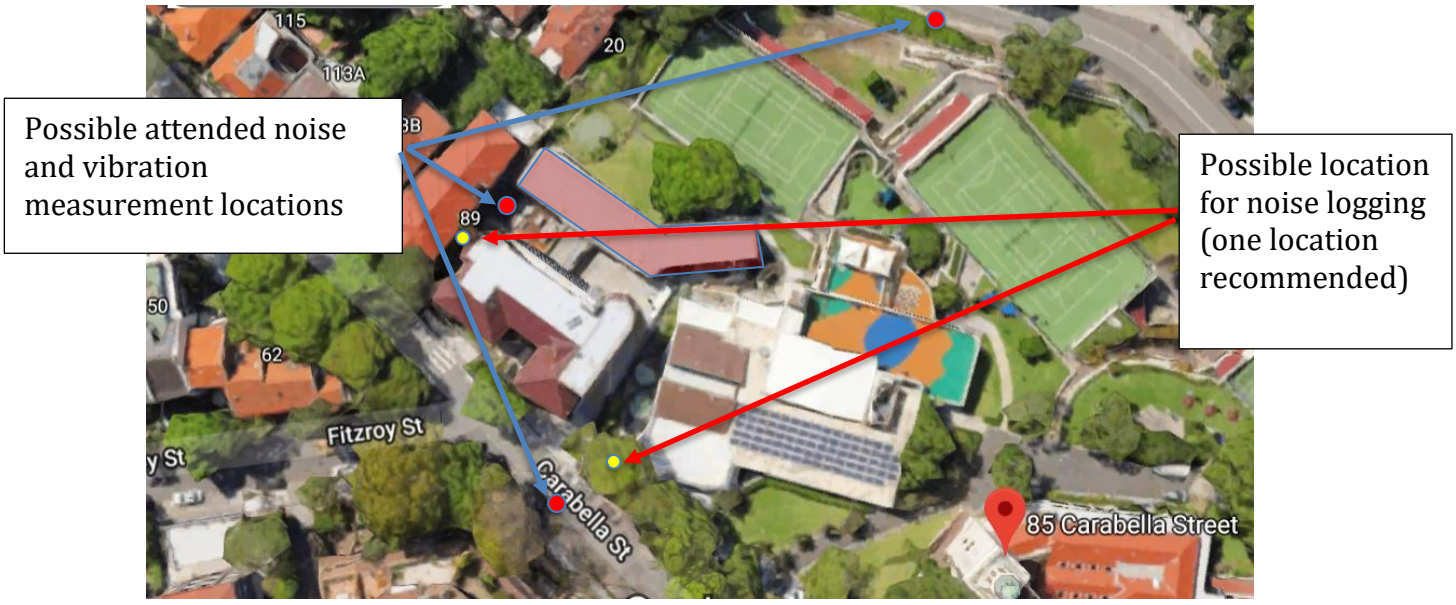


Figure 1 – Site Location and Possible Measurement Locations

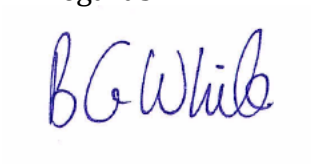
Based on the works being conducted on the site the installation of 1 noise logger on the site would provide results which are suitable to assess noise impacts to neighbouring receivers. It is possible that 2 loggers could be installed in the site, however similar results would be obtained at the two locations which would effectively provide results which are duplicated.

Once the details site assessments are completed then it would be possible to asses the equipment generating the greatest noise impacts to surrounding receivers and implement additional noise mitigation strategies. Possible noise mitigation strategies may include the following:

1. Use of alternative equipment where possible such as ripping or saw cutting.
2. Treatment of equipment to include shrouds to hammers if possible.
3. Scheduling of periods when high noise emitting equipment can be used or the location on the site for specific periods of such equipment.
4. Other mitigations which would be investigated based on the results of acoustic testing.

If you have any additional questions, please contact the author below.

Regards



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