

# Technical Note

<b>Project</b>	Hadley Street	<b>Project No</b>	14041
<b>Subject</b>	Noise & Vibration	<b>Date</b>	9 August 2023
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## 1.0 POLICIES AND GUIDANCE

Consultation with London Borough of Camden Environmental Health team has confirmed that a specific noise assessment would not be required for the demolition application but that a strategy is required for noise and vibration monitoring during the demolition works to "ensure minimal effect on sensitive receptors".

Advice provided by Edward Davis (London Borough of Camden):

*"All works and ancillary operations that are audible at the site boundary should be carried out only between the hours specified below and should not exceed the maximum noise levels therein:*

Noise Level Table

<b>Day</b>	<b>Relevant Time Period (hrs)</b>	<b>Averaging Time, T</b>	<b>*Threshold Level for Construction Noise (dB LAeq, T)</b>
Monday to Friday	07.00 to 08.00	1 hr	70
	08.00 to 18.00	10 hr	75
	18.00 to 19.00	1 hr	70
	19.00 to 22.00	1 hr	65
Saturday	07.00 to 08.00	1 hr	70
	08.00 to 13.00	5 hr	75
	13.00 to 14.00	1 hr	70
	14.00 to 22.00	1 hr	65
Sunday and Public Holidays	07.00 to 22.00	1 hr	65
Any night	22:00 to 07:00	1 hr	55

### NOTE

1. All units are expressed as "A" weighted decibels ((dB(A)).
2. LAeq shall be defined as BS 5228, Part 1.

*The noise limits set above are the maximum values when measured one metre from the facade of the nearest dwelling.*

*The following vibration limits are prescribed to control levels of ground vibration arising from the works:*

<b>Type of Activity</b>	<b>Limit (mm/sec PPV)</b>
<i>Activities causing continuous vibration not exceeding a total of half an hour over the working day</i>	<i>1.0 (Residential Premises) 3.0 (Commercial Premises)</i>
<i>Activities causing continuous vibration exceeding a total of half an hour over the working day</i>	<i>1.0 (All Premises)</i>

*All vibration should be measured on an external facade no more than 1 metre from the ground (e.g. ground floor structural window sill or doorstep) or failing this, on solid ground as near to the building facade as possible. The above vibration limits relate to the maximum peak particle velocity ground vibration occurring in any one of three mutually perpendicular axes (one of which will be vertical)."*

## 2.0 NOISE MONITORING

A noise monitoring strategy will be prepared and submitted to London Borough of Camden for approval.

The noise monitoring will include:

- Unattended monitoring will be undertaken at up to 2 no. monitoring locations.
- NCL will install 2 no. Class 1 sound level meters (SLMs). The SLMs will be deployed at suitable locations, representative of the closest noise sensitive receptors (NSRs). The noise monitoring locations are expected to change throughout the proposed demolition works depending on the type and proximity of works relative to the NSRs.
- Vibration monitoring will be undertaken at 1 no. location on the NSRs building façade, or solid ground as close to the NSR building façade as possible. If access to NSR façade is not possible, the vibration monitor will be placed within the site boundary and the PPV thresholds will be adjusted accordingly. The vibration monitoring locations may change throughout the proposed demolition works depending on the type and proximity of works relative to the NSRs.

A technical report will be produced on completion of the survey summarising the survey methodology, results and a comparison of the measured levels to London Borough of Camden's noise and vibration criteria.