

Appendix 7.3 Noise Survey Details and Summary Results

1. Noise Survey Methodology

A noise survey was carried out on 07/07/2025 on the site and surrounding area to capture the existing environmental noise climate at the nearest residential neighbours.

The monitoring positions were agreed with the Council’s EHPO on 02/07/2025. These are considered representative of the nearest noise-sensitive receptors to the site, and are as follows:

Nearest noise-sensitive receptors

Short Term Measurement Location	Location	Receptor	Category
ST1	Cavendish Street	Cavendish Halls of Residence	Residential (Student Accommodation)
ST2	Oxford Road	113 Oxford Road – 135 Oxford Road	Residential
ST3	Premier Inn	Premier Inn	Hotel
ST4	Chester Street	Residences on Chester Street	Residential

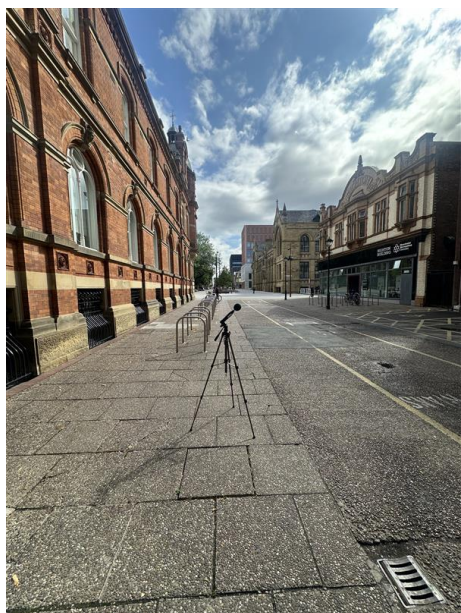


Noise Survey Positions (Source: Google Earth)

Monitoring was undertaken using Class 1 monitoring equipment (Model: SoundExpert LxT, Serial No. 0007080) at a height of approximately 1.5 m above local ground level under free-field conditions (i.e., measuring free-field levels), as shown in the images below.

All sound level meters were field calibrated prior to and following the measurements using a Class 1 acoustic calibrator. No significant change in sensitivity was noted. All microphones were fitted with a windshield.

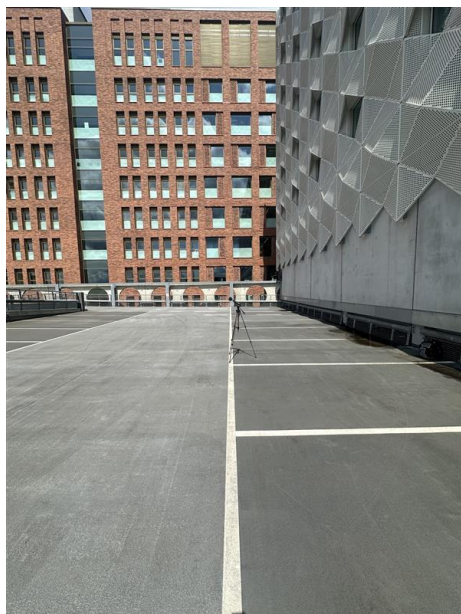
Regarding weather during the survey period, following a review of local weather stations, there were relatively low winds (below < 5 m/s) and 0 mm rainfall.



Sound Level Meter at Position ST1



Sound Level Meter at Position ST2



Sound Level Meter at Position ST3



Sound Level Meter at Position ST4

2. Noise Survey Results

Observations made whilst conducting the on-site survey confirmed that the dominant noise sources on site were road traffic noise, with some Demolition and plant noise. The dominant noise sources were as follows:

- ST1: Plant from the Cavendish building, pedestrian and bicycle movement, some road noise from Oxford Road
- ST2: Heavy pedestrian and vehicle movement. Oxford Road busy with buses, overpass busy with cars
- ST3: Dominant noise source is traffic from the overpass and other roads. Distant Demolition noise
- ST4: Traffic from Oxford Rd. Pedestrian movement and some car movement, police siren from Oxford Road

The data has been analysed to identify the typical ambient levels for the daytime period.

A summary of the attended measurement data is presented below. The average sound levels are logarithmic averages at each measurement location.

Measured noise levels from survey

Measurement Location	Measurement Time	Measured $L_{Aeq,T}$ dB	Average $L_{Aeq,T}$ dB
ST1	10:00-10:30	56	57
	13:30-14:00	57	
ST2	10:45-11:15	68	67
	14:20-14:50	66	
ST3	12:10-12:40	60	59
	15:00-15:30	58	
ST4	12:50-13:20	62	61
	15:40-16:10	60	