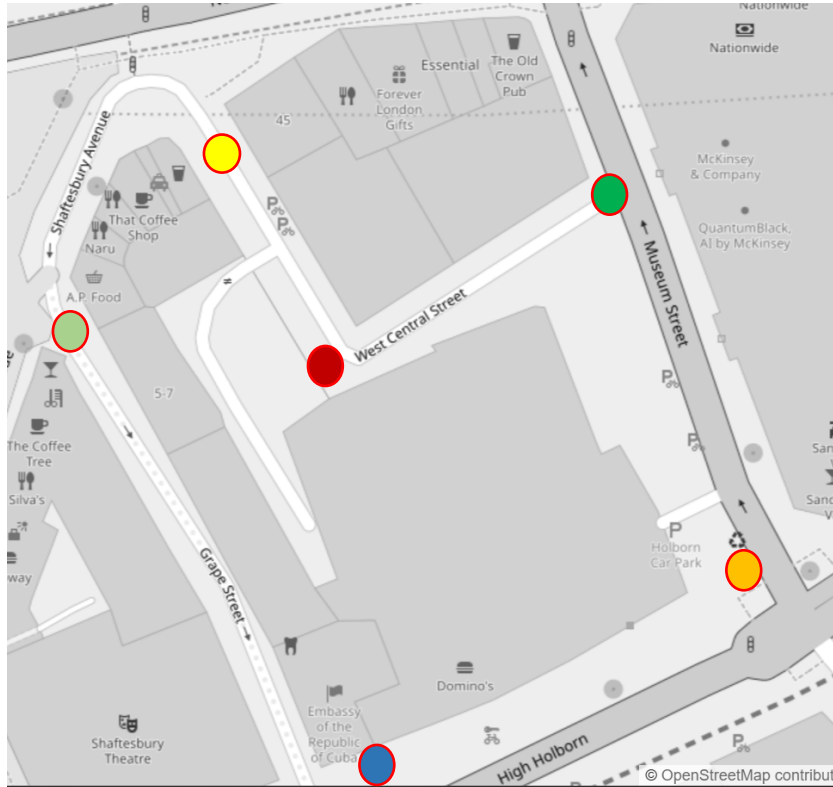


ST GILES QUARTER - BACKGROUND NOISE MONITORING REPORT

REPORT PREPARED BY JOHN F HUNT LTD

Report Reference:	001	Author:	Tom Seath
Report Date:	06.11.24	Authorised by:	Sam Hamilton
Core Site Working Periods:	Weekdays – 08:00 hrs to 18:00 hrs Saturdays – 08:00 hrs to 13:00 hrs	Monitoring Period:	05.11.24



Monitoring Site 1- New
Oxford Street



Monitoring Site 2-
West Centre Street



Monitoring Site 3-
Museum Street North



Monitoring Site 4-
Museum Street South



Monitoring Site 5-
High Holborn West



Monitoring Site 6-
Grape Street North

Noise Policy and Further Information

Equivalent Continuous Sound Pressure Level, or L_{eq}/L_{Aeq} , is the constant noise level that would result in the same total sound energy being produced over a given period. It is the average during the time period. The 1 hour trigger levels are higher than the 10 hour, as if we exceed the 1 hour levels then we will reduce noisy working times or stop works altogether, which will reduce the overall noise average.

British Standard BS 5228-1:2009: 2014 Code of practice for noise and vibration control on construction and open sites – Part 1 Noise, provides guideline levels for assessing the effects of noise on humans.

Table E.1 Example threshold of significant effect at dwellings

Assessment category and threshold value period (L_{Aeq})	Threshold value, in decibels (dB)		
	Category A ^{A)}	Category B ^{B)}	Category C ^{C)}
Night-time (23.00–07.00)	45	50	55
Evenings and weekends ^{D)}	55	60	65
Daytime (07.00–19.00) and Saturdays (07.00–13.00)	65	70	75

NOTE 1 A significant effect has been deemed to occur if the total L_{Aeq} noise level, including construction, exceeds the threshold level for the Category appropriate to the ambient noise level.

NOTE 2 If the ambient noise level exceeds the threshold values given in the table (i.e. the ambient noise level is higher than the above values), then a significant effect is deemed to occur if the total L_{Aeq} noise level for the period increases by more than 3 dB due to construction activity.

NOTE 3 Applied to residential receptors only.


^{A)} Category A: threshold values to use when ambient noise levels (when rounded to the nearest 5 dB) are less than these values.


^{B)} Category B: threshold values to use when ambient noise levels (when rounded to the nearest 5 dB) are the same as category A values.


^{C)} Category C: threshold values to use when ambient noise levels (when rounded to the nearest 5 dB) are higher than category A values.


^{D)} 19.00–23.00 weekdays, 13.00–23.00 Saturdays and 07.00–23.00 Sundays.


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Monitoring Site	Pictures of Monitoring Site	Results of Noise Monitoring	Contributing Factors and Works at Monitoring Site
<p>Monitoring Site 1 – New Oxford Street</p> <p>5 Minute Recording</p> <p>05/11/24</p>		<p>LAeq – 69.6 dB</p> <p>LAFMax – 84.1 dB</p> <p>LAMin- 63.5 dB</p>	<ul style="list-style-type: none"> • Heavy Traffic in the area • Constant Footfall • Retail businesses with outside seating nearby

Monitoring Site	Pictures of Monitoring Site	Results of Noise Monitoring	Contributing Factors and works at Monitoring Site
<p>Monitoring Site 2- West Centre Street</p> <p>5 Minute Recording</p> <p>05/11/24</p>		<p>L_{Aeq} – 66.8 dB L_AMax – 74.0 dB L_AMin- 63.2 dB</p>	<ul style="list-style-type: none"> • Through road used by pedestrians and traffic • Low footfall and traffic

Monitoring Site	Pictures of Monitoring Site	Results of Noise Monitoring	Contributing Factors and works at Monitoring Site
<p>Monitoring Site 3- Museum Street North</p> <p>5 Minute Recording</p> <p>05/11/24</p>		<p>L_{Aeq} – 67.8 dB L_AMax – 73.9 dB L_AMin- 59.9 dB</p>	<ul style="list-style-type: none"> • Heavy Traffic in the area • Constant Footfall • Vehicles idling

Monitoring Site	Pictures of Monitoring Site	Results of Noise Monitoring	Contributing Factors and works at Monitoring Site
<p>Monitoring Site 4- Museum Street South</p> <p>10 Minute Recording</p> <p>05/11/24</p>		<p>L_{Aeq} – 67.8 dB L_{AMax} – 73.2 dB L_{AMin}- 60.6 dB</p>	<ul style="list-style-type: none"> • Heavy Traffic in the area • Constant Footfall

Monitoring Site	Pictures of Monitoring Site	Results of Noise Monitoring	Contributing Factors and works at Monitoring Site
<p>Monitoring Site 5- High Holborn West</p> <p>5 Minute Recording</p> <p>05/11/24</p>		<p>LAeq – 65.6 dB LAMax – 73.2 dB LAMin- 63.3 dB</p>	<ul style="list-style-type: none"> • Heavy Traffic in the area • Constant Footfall

Monitoring Site	Pictures of Monitoring Site	Results of Noise Monitoring	Contributing Factors and works at Monitoring Site
<p>Monitoring Site 6- Grape Street North</p> <p>5 Minute Recording</p> <p>05/11/24</p>		<p>LAeq – 62.4 dB LAMax – 74.9 dB LAMin- 60.8 dB</p>	<ul style="list-style-type: none"> • Footfall for galleries and shops in the area

