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REPORT No. 2201013-8_v4

25 John's Mews
London
WC1N 2NT

ENVIRONMENTAL NOISE SURVEY & PLANT NOISE ASSESSMENT REPORT

ISSUE 1 PREPARED: 16/02/22
ISSUE 2 PREPARED: 23/03/22
ISSUE 3 PREPARED: 05/04/22
ISSUE 4 PREPARED: 07/04/22

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1.0 Introduction

1.1 E+M Tecnica has commissioned Noico Ltd to conduct an environmental noise survey at 25 John's Mews, London, WC1N 2NT.

1.2 The purpose of the survey is to obtain statistical noise data and to determine the background noise levels at the site. Based on the noise survey data, noise criteria are to be established for limiting noise emission from the mechanical plant installations serving the premises. The noise criteria are to be set in accordance with the requirements of the local planning authority (London Borough of Camden council).

1.3 The development site comprises a two story, terraced, residential property. It is understood, as part of the development plans, items of mechanical plant are to be installed externally at roof level. When plant details are available, a noise assessment will be carried out to ensure compliance with the planning noise requirements.

1.4 Properties surrounding the site are also residential with 13 Northington St adjacent to the east, 27 John's Mews adjacent to the south plus properties along John's Mews and Northington St. to the west and north.

2.0 Instrumentation

2.1 A precision grade Norsonic 140 'Type 1' Integrating Sound Level Meter was used for the survey. This was equipped with a Norsonic outdoor microphone protection kit Nor-1212 and LEMO extension cable. The instrument was powered by an external battery and stored in a weatherproof case.

2.2 The instrument was calibrated prior and subsequent to use, with no calibration drift recorded.

2.3 Equipment serial numbers and calibration certification can be found in the table below.

Equipment Combination Code	Equipment Type	Serial number	Calibration Certificate	Calibration Date / Calibration Expiry
140 Orange	Norsonic Type 140 Sound Level Meter	1402996	33943	Tested: 03/02/2020 Expires: Feb 2022
	GRAS Type 40AF Microphone	190436	33942	
	Norsonic Type 1209 Preamplifier	12265	33943	
Field Calibrator	Norsonic Type 1251 Calibrator	28311	28311	Tested: 04/03/2021 Expires: Mar 2022

Table 1 – Equipment list including calibration certification

3.0 Survey Details

3.1 Location: The environmental noise analyser microphone was located externally, at roof level, approximately 1.5-metres from the western parapet wall. The microphone was attached to a tripod and raised 1.5-metres above ground level. This position was chosen as it was considered to be representative of the background noise environment that exists at the nearest noise-affected properties, and is shown in Figure 2.

3.2 Period: Noise monitoring was carried out continuously from approximately 11:37 hrs on 24th January 2022 through to 14:45 hrs on 27th January 2022. The instrument was set up to monitor noise levels continuously and store data in fifteen-minute intervals.

3.3 Weather: The prevailing weather condition throughout the majority of the survey period was satisfactory for noise monitoring, being dry, cool and with little to moderate breeze. Windspeed, although not recorded, was considered to be less than 5 m/s throughout the survey period.

3.4 Site Noise Characteristics: The ambient noise level was characterised by road traffic noise, in particular, along A401 (Theobalds Road) the south and A5200 (Grays Inn Road) – shown in Figure 2. It is thought that no unusual events occurred during the survey period. The data is considered a true representation of the area's background noise level.

4.0 Survey Results

4.1 The results of the environmental survey are presented in graphical and numerical format in the attached appendices, showing the recorded values of L_{Aeq} and L_{A90}.

4.2 See Appendix 1 for a glossary of terms.

4.3 With reference to the measured data, the minimum background noise level measured during the survey period was:

Daytime (07:00 to 23:00hrs)	38.8 dB $L_{A90,15min}$
Night time (23:00 to 07:00hrs)	37.7 dB $L_{A90,15min}$

5.0 Council Noise Level Criteria

5.1 Criteria for mechanical services noise emissions are normally based upon the prevailing level of background noise in the period of concern and may be set against this to a level as normally defined by the local planning authority.

5.2 London Borough of Camden Council has advised that noise arising from fixed plant installations should not cause an increase in the existing minimum background noise level (as expressed as a LA90) at the nearest noise affected property. In practical terms, this means that the noise arising from the plant should be at least 10 dB(A) below the minimum background noise level.

5.3 To conform to the above criteria, and in accordance with the minimum background noise levels measured during the survey (summarised in 4.3 above), noise from the plant installations should not exceed the following values. Note these have been rounded to the nearest whole number for practical purposes.

Daytime plant operation (07:00 to 23:00hrs)	- 29 dB $L_{Aeq,15min}$
Night time (23:00 to 07:00hrs)	- 28 dB $L_{Aeq,15min}$

Note: These levels must be achieved cumulatively with all plant operating, and as measured at 1 metre from the window of the nearest affected residential property.

6.0 Plant Noise Assessment

6.1 Plant details and location: It is proposed that 1-no. Daikin air conditioning condenser unit is to be installed externally, at roof level, against the property's western parapet wall. The unit will be positioned beneath a planter and behind a louvred grille. The unit in question is listed below, together with the manufacturers certified noise data. The plant noise does not exhibit tonal characteristics.

It should be noted the plant has the capability to operate 24 hours a day.

RXYSCQ5TV1	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	dBA
SPL Cooling	51	53	52	53	46	41	34	27	53

Table-2 – Manufacturer's noise data. Sound pressure level (SPL) values, measured at 1-metre in free-field conditions.

6.2 Noise Sensitive receptors: From our observations made on site, the nearest noise affected residential properties to the plant installations are considered to be 23, 27 John's Mews and 29-31 John's Mews.

6.2.1 Considering 23 John's Mews, the plant will be shielded from view by a metre high parapet wall and approximately 20 metres south of the first-floor windows.

6.2.2 At 27 John's Mews, the most noise sensitive windows are considered to be at second-floor level on the front of the premises, approximately 6 metres from the plant installation. A metre high parapet wall on the west side of the unit and the northwest façade of the property will provide visual and acoustic screening from the plant installation.

6.2.3 At 29-31 John's Mews, to the south, the plant will also be shielded from view and approximately 20 metres from the third-floor apartment windows on the west side of the property.

6.2.4 At 27 John's Mews, there is a consented development which will incorporate additional glazing to the roofline and rear second floor façade. The plant installation will be visible from the proposed glazed façade at second-floor level on the northeast corner of the property and approximately 11 metres away. The closest openable windows are considered to be the second-floor balcony doors on the east side of the glazed façade.

Plant noise emissions have been assessed to 23 John's Mews (Noise Sensitive Receptor 1), 27 John's Mews (Noise Sensitive Receptor 2) and third-floor apartments at 29-30 John's Mews (Noise Sensitive Receptor 3). An additional assessment is included which details the resulting noise level at the glazing of the consented development at 27 John's Mews.

6.3 Noise assessment calculations: Our calculations predicting the resultant noise level at the nearest noise sensitive location identified above are detailed as follows for the most stringent plant operation periods.

6.3.1

23 John's Mews	**Sound Pressure Level (SPL)**
Daikin RXYSCQ5TV1 Cooling (SPL)	53 dBA
Reflections	+ 6 dB
Distance Loss (19 metres)	-26 dB
Barrier Attenuation	-11 dB
Total Noise at receiver	**22 dBA**
Design Noise Criteria	28 dBA
Level Below Noise Criteria	**6 dBA**

Table-3: Noise impact assessment at noise sensitive receptor 1

6.3.2

27 John's Mews	**Sound Pressure Level (SPL)**
Daikin RXYSCQ5TV1 Cooling (SPL)	53 dBA
Reflections	+ 3 dB
Distance Loss (5 metres)	-17 dB
Barrier Attenuation	-11 dB
Total Noise at receiver	**28 dBA**
Design Noise Criteria	28 dBA
Level Exceeding Noise Criteria	**0 dBA**

Table-4: Noise impact assessment at noise sensitive receptor 2

6.3.3

29-30 John's Mews	**Sound Pressure Level (SPL)**
Daikin RXYSCQ5TV1 Cooling (SPL)	53 dBA
Reflections	+ 6 dB
Distance Loss (20 metres)	-26 dB
Barrier Attenuation (partial line of sight)	-5 dB
Total Noise at receiver	**28 dBA**
Design Noise Criteria	28 dBA
Level Exceeding Noise Criteria	**0 dBA**

Table-5: Noise impact assessment at noise sensitive receptor 3

6.3.4

Consented Development 27 John's Mews	**Sound Pressure Level (SPL)**
Daikin RXYSCQ5TV1 Cooling (SPL)	53 dBA
Reflections	+ 6 dB
Distance Loss (10 metres)	-20 dB
Barrier Attenuation (partial line of sight)	-5 dB
Total Noise at receiver	**34 dBA**
Design Noise Criteria	28 dBA
Level Exceeding Noise Criteria	**6 dBA**

Table-6: Noise impact assessment at noise sensitive receptor 4

6.4 The results of our noise impact assessments to nearest sensitive receptor 1, 2, and 3 indicate that the noise level at 1 metre from the nearest noise sensitive locations do not exceed the design noise criteria, during the most stringent operation period.

6.5 The resultant noise level at the consented development of 27 John's Mews exceeds the design noise criteria set by the council. However, a rating of the noise impact in line with BS-4142 concludes that the rating level will be at least 4 dB(A) below the minimum background noise level, measured during the entire survey period, resulting in a 1 dB(A) increase in background noise level. This indicates the specific sound source having a low impact on the receptor, depending on context. For context, a 3 dB increase in level is considered just perceptible.

7.0 Noise Mitigation Measures

7.1 Mitigation measures are not required in order to achieve the council noise level criteria at the existing noise sensitive receptors.

7.2 The following noise mitigation measures are designed to reduce the resultant noise level at noise sensitive receptor 4 by a minimum of 6 dB(A), in order to achieve the design noise criteria, set by the local planning authority.

7.3 The condenser unit should be rotated so that the fan exhausts in the direction of 23 John's Mews i.e., away from 27 John's Mews. Walls of the plant enclosure should be constructed from solid acoustic panel-work and incorporate acoustic louvres for the inlet and exhaust airflow paths.

7.4 Enclosure components should meet the acoustic performance specification below, in order to achieve the required noise reduction in the arrangement described above.

Item	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
50 mm deep acoustic panel – Transmission loss	19	19	25	31	40	42	45	41
150mm deep acoustic louvre – Transmission loss	2	3	4	8	13	11	9	8

Table-7: Enclosure component acoustic performance specification

8.0 Conclusion

8.1 A background noise level survey has been carried out at 25 John's Mews, London, WC1N 2NT.

8.2 Based upon the survey results, discussions with the local planning authority, and knowledge of relevant environmental design standards, criteria applicable to noise from the mechanical services plant have been established.

8.3 A noise assessment has been carried out on the proposed mechanical plant installation and it has been determined that the design noise criteria will not be exceeded at the nearest existing noise sensitive receptors.

8.4 A further assessment has been carried out at the consented development at 27 John's Mews. It is determined that the council noise level criteria will be exceeded, however, the impact imposed is considered negligible or low in line with BS-4142.

8.5 Recommendations have been given for suitable noise control measures which if implemented in full will further reduce the impact imposed on the consented development at 27 John's Mews.

Appendix 1 - Glossary of Terms

Decibel, dB	A unit of level derived from the logarithm of the ratio between the value of a quantity and a reference value. For sound pressure level (Lp) the reference quantity is $2x10^{-5}$ N/m^2. The sound pressure level existing when microphone measured pressure is $2x10^{-5}$ N/m^2 is 0 dB, the threshold of hearing.
L	Instantaneous value of Sound Pressure Level (Lp).
Frequency	Is related to sound pitch; frequency equals the ratio between velocity of sound and wavelength.
A-weighting	Arithmetic corrections applied to values of Lp according to frequency. When logarithmically summed for all frequencies, the resulting single "A weighted value" becomes comparable with other such values from which a comparative loudness judgement can be made, then, without knowledge of frequency content of the source.
$L_{eq,T}$	Equivalent continuous level of sound pressure which, if it actually existed for the integration time period T of the measurement, would possess the same energy as the constantly varying values of Lp actually measured.
$L_{Aeq,T}$	Equivalent continuous level of A weighted sound pressure which, if it actually existed for the integration time period, T, of the measurement would possess the same energy as the constantly varying values of Lp actually measured.
$L_{n,T}$	Lp which was exceeded for n% of time, T.
$L_{An,T}$	Level in dBA which was exceeded for n% of time, T.
$L_{max,T}$	The instantaneous maximum sound pressure level which occurred during time, T.
$L_{Amax,T}$	The instantaneous maximum A weighted sound pressure level which occurred during time, T.
Background Noise Level	The value of $L_{A90,T}$, ref. BS4142:2014.
Traffic Noise Level	The value of $L_{A10,T}$.
Specific Noise Level	The value of $L_{Aeq,T}$ at the assessment position produced by the specific noise source, ref. BS4142:2014.
Rating Level	The specific noise level, corrected to account for any characteristic features of the noise, by adding a 5 dBA penalty for any tonal, impulsive or irregular qualities, ref. BS4142:2014.
Specific Noise Source	The noise source under consideration when assessing the likelihood of complaint.
Assessment Position	Unless otherwise noted, is a point at 1 m from the façade of the nearest affected sensitive property.

Appendix 2 – Environmental Noise Monitoring Data

Date	LAeq	LA90
(2022/01/24 11:37:34.00)	53.2	43.6
(2022/01/24 11:45:01.00)	51.4	41.9
(2022/01/24 12:00:01.00)	48.3	42.7
(2022/01/24 12:15:01.00)	46.6	42.7
(2022/01/24 12:30:01.00)	49.6	43.8
(2022/01/24 12:45:01.00)	50.9	46.6
(2022/01/24 13:00:01.00)	50.5	47.3
(2022/01/24 13:15:01.00)	50.2	46.5
(2022/01/24 13:30:01.00)	45.8	42
(2022/01/24 13:45:01.00)	45.3	42
(2022/01/24 14:00:01.00)	46.5	42.5
(2022/01/24 14:15:01.00)	45.4	41.2
(2022/01/24 14:30:01.00)	45.7	41.9
(2022/01/24 14:45:01.00)	46.7	41.2
(2022/01/24 15:00:01.00)	45.3	42.1
(2022/01/24 15:15:01.00)	46.6	42.6
(2022/01/24 15:30:01.00)	46.4	42.8
(2022/01/24 15:45:01.00)	47.5	43.5
(2022/01/24 16:00:01.00)	45.3	42.7
(2022/01/24 16:15:01.00)	47.1	42.6
(2022/01/24 16:30:02.00)	47.3	42.8
(2022/01/24 16:45:01.00)	49.7	42.3
(2022/01/24 17:00:01.00)	47.4	41.8
(2022/01/24 17:15:02.00)	46.4	41
(2022/01/24 17:30:01.00)	44.4	41.3
(2022/01/24 17:45:01.00)	44.6	40.7
(2022/01/24 18:00:01.00)	43.4	40.5
(2022/01/24 18:15:01.00)	48.4	40.1
(2022/01/24 18:30:01.00)	44.2	40.7
(2022/01/24 18:45:01.00)	43.7	40.5
(2022/01/24 19:00:02.00)	43.3	40
(2022/01/24 19:15:02.00)	42.2	39.9
(2022/01/24 19:30:02.00)	44.8	40.3
(2022/01/24 19:45:02.00)	42.7	39
(2022/01/24 20:00:01.00)	41.5	39.6
(2022/01/24 20:15:01.00)	42	39.7
(2022/01/24 20:30:01.00)	42.3	39.5
(2022/01/24 20:45:01.00)	42.6	39.8
(2022/01/24 21:00:01.00)	41.5	39.2
(2022/01/24 21:15:01.00)	41.3	39.4
(2022/01/24 21:30:01.00)	40.6	39.2
(2022/01/24 21:45:01.00)	40.8	38.8
(2022/01/24 22:00:01.00)	41.6	39.7
(2022/01/24 22:15:01.00)	41.1	39.6
(2022/01/24 22:30:01.00)	44.6	39.8
(2022/01/24 22:45:01.00)	41.5	39.3
(2022/01/24 23:00:01.00)	39.9	38.6
(2022/01/24 23:15:01.00)	39.4	38.5
(2022/01/24 23:30:01.00)	39.5	38.4
(2022/01/24 23:45:01.00)	39.9	38.8
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(2022/01/25 01:15:01.00)	39.6	38.2
(2022/01/25 01:30:01.00)	39.4	37.7
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(2022/01/25 04:15:01.00)	39.3	38.3
(2022/01/25 04:30:01.00)	40.1	38.5
(2022/01/25 04:45:01.00)	40.3	38.4
(2022/01/25 05:00:01.00)	43	38.7
(2022/01/25 05:15:02.00)	45.2	37.9
(2022/01/25 05:30:01.00)	44.5	38.8
(2022/01/25 05:45:01.00)	42.1	38.9
(2022/01/25 06:00:01.00)	45.4	39.7
(2022/01/25 06:15:01.00)	49.4	40.2
(2022/01/25 06:30:01.00)	44.3	39.6
(2022/01/25 06:45:01.00)	44.8	40.2
(2022/01/25 07:00:01.00)	49.7	40.8
(2022/01/25 07:15:01.00)	50.7	41.7
(2022/01/25 07:30:01.00)	44.8	41.6
(2022/01/25 07:45:01.00)	45.2	41.3
(2022/01/25 08:00:01.00)	44.9	41.8
(2022/01/25 08:15:01.00)	51.3	42.9
(2022/01/25 08:30:01.00)	46.9	43.1
(2022/01/25 08:45:01.00)	49.5	44.6
(2022/01/25 09:00:01.00)	49.1	43.3
(2022/01/25 09:15:01.00)	51.4	44.3
(2022/01/25 09:30:01.00)	49.6	44.2
(2022/01/25 09:45:01.00)	50.8	44.6
(2022/01/25 10:00:01.00)	51.7	44.2
(2022/01/25 10:15:01.00)	54.4	44.8
(2022/01/25 10:30:01.00)	49.2	44.3
(2022/01/25 10:45:01.00)	51.4	44.7

Date	LAeq	LA90
(2022/01/25 11:00:01.00)	58	45.9
(2022/01/25 11:15:01.00)	50.4	46.7
(2022/01/25 11:30:01.00)	48.1	44.2
(2022/01/25 11:45:01.00)	46.2	43.8
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(2022/01/26 00:45:01.00)	41	39.3
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(2022/01/26 07:00:01.00)	46.4	41.8
(2022/01/26 07:15:01.00)	49.2	42.3
(2022/01/26 07:30:01.00)	47.2	43
(2022/01/26 07:45:01.00)	47.1	43.9
(2022/01/26 08:00:01.00)	50.5	43.7
(2022/01/26 08:15:01.00)	46	43.7
(2022/01/26 08:30:01.00)	47.1	44.2
(2022/01/26 08:45:01.00)	52.6	44.3
(2022/01/26 09:00:01.00)	49	43.8
(2022/01/26 09:15:01.00)	47.3	42.9
(2022/01/26 09:30:01.00)	47.2	43.4
(2022/01/26 09:45:01.00)	46.5	43.4
(2022/01/26 10:00:01.00)	48.3	43.9
(2022/01/26 10:15:01.00)	48.1	44
(2022/01/26 10:30:01.00)	47.7	43.4
(2022/01/26 10:45:01.00)	48	43.3
(2022/01/26 11:00:02.00)	50.8	45.7

Date	LAeq	LA90
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(2022/01/26 11:45:02.00)	49.6	43.6
(2022/01/26 12:00:01.00)	47.1	43.5
(2022/01/26 12:15:02.00)	45.9	43.4
(2022/01/26 12:30:02.00)	50	44.9
(2022/01/26 12:45:02.00)	49.8	46.6
(2022/01/26 13:00:02.00)	53.1	47.8
(2022/01/26 13:15:01.00)	51.2	47.7
(2022/01/26 13:30:01.00)	47.2	43.7
(2022/01/26 13:45:02.00)	46.7	43.7
(2022/01/26 14:00:02.00)	46.7	43.5
(2022/01/26 14:15:01.00)	47.2	43.1
(2022/01/26 14:30:02.00)	45.6	43.7
(2022/01/26 14:45:01.00)	46.7	44
(2022/01/26 15:00:02.00)	47.5	43.7
(2022/01/26 15:15:01.00)	47.2	43.7
(2022/01/26 15:30:01.00)	46.1	43.7
(2022/01/26 15:45:01.00)	47.6	43.8
(2022/01/26 16:00:02.00)	49.8	44.1
(2022/01/26 16:15:02.00)	48.3	43.3
(2022/01/26 16:30:02.00)	46.9	43.7
(2022/01/26 16:45:02.00)	48.2	43
(2022/01/26 17:00:01.00)	53.8	44
(2022/01/26 17:15:02.00)	49.4	43.6
(2022/01/26 17:30:02.00)	48.5	43.7
(2022/01/26 17:45:01.00)	49	42.7
(2022/01/26 18:00:01.00)	45.6	43.5
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(2022/01/26 19:45:02.00)	45.2	42.4
(2022/01/26 20:00:02.00)	45.2	43
(2022/01/26 20:15:01.00)	44.9	42.8
(2022/01/26 20:30:02.00)	45.8	43.1
(2022/01/26 20:45:02.00)	45.3	43.2
(2022/01/26 21:00:02.00)	48	43.2
(2022/01/26 21:15:01.00)	43.9	43
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(2022/01/26 21:45:02.00)	45.1	43.4
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(2022/01/26 22:15:02.00)	45.9	43.6
(2022/01/26 22:30:02.00)	47.8	43.7
(2022/01/26 22:45:02.00)	46.6	43.9
(2022/01/26 23:00:02.00)	46.2	44.3
(2022/01/26 23:15:02.00)	50.9	43.9
(2022/01/26 23:30:02.00)	44	43.1
(2022/01/26 23:45:02.00)	43.6	42.7
(2022/01/27 00:00:02.00)	43.3	42.3
(2022/01/27 00:15:01.00)	43.8	42.5
(2022/01/27 00:30:01.00)	44.4	42.7
(2022/01/27 00:45:01.00)	43.4	42.3
(2022/01/27 01:00:01.00)	42.9	41.9
(2022/01/27 01:15:01.00)	42.7	41.7
(2022/01/27 01:30:01.00)	43.3	41.8
(2022/01/27 01:45:01.00)	43.8	41.8
(2022/01/27 02:00:01.00)	42.8	41.8
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(2022/01/27 02:45:01.00)	46	41.5
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(2022/01/27 03:30:01.00)	42.9	41.2
(2022/01/27 03:45:01.00)	43	41.7
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(2022/01/27 04:15:01.00)	42.3	41.2
(2022/01/27 04:30:01.00)	42.5	41.5
(2022/01/27 04:45:01.00)	42.5	41.3
(2022/01/27 05:00:01.00)	43.5	41.5
(2022/01/27 05:15:02.00)	44.3	41.9
(2022/01/27 05:30:02.00)	44.4	41.9
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(2022/01/27 06:15:02.00)	44.7	43.5
(2022/01/27 06:30:02.00)	45.5	43.5
(2022/01/27 06:45:01.00)	46.8	43.7
(2022/01/27 07:00:01.00)	48.5	43.9
(2022/01/27 07:15:01.00)	49	44
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(2022/01/27 07:45:01.00)	46.8	43.9
(2022/01/27 08:00:01.00)	48.3	44.1
(2022/01/27 08:15:01.00)	49.3	44.4
(2022/01/27 08:30:01.00)	46.7	44.3
(2022/01/27 08:45:01.00)	47.7	44.9
(2022/01/27 09:00:01.00)	47	44.6
(2022/01/27 09:15:01.00)	46.2	44.5
(2022/01/27 09:30:01.00)	46.8	44.4
(2022/01/27 09:45:01.00)	47.4	44.4
(2022/01/27 10:00:01.00)	48.1	44.3
(2022/01/27 10:15:01.00)	49.6	44.6
(2022/01/27 10:30:01.00)	49	44.5
(2022/01/27 10:45:01.00)	48.1	44.6
(2022/01/27 11:00:01.00)	49.9	45.6
(2022/01/27 11:15:01.00)	49.3	44.5

Date	LAeq	LA90
(2022/01/27 11:30:01.00)	47.8	44.1
(2022/01/27 11:45:01.00)	46.7	44.3
(2022/01/27 12:00:01.00)	48.9	44.4
(2022/01/27 12:15:01.00)	49.7	44.5
(2022/01/27 12:30:01.00)	53.9	45.8
(2022/01/27 12:45:01.00)	51.8	47.7
(2022/01/27 13:00:01.00)	50.4	47
(2022/01/27 13:15:01.00)	50.8	47.7
(2022/01/27 13:30:01.00)	50.9	44.1
(2022/01/27 13:45:01.00)	54.9	44.2
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(2022/01/27 14:15:01.00)	54.4	44.9
(2022/01/27 14:30:01.00)	47.6	44.4
(2022/01/27 14:45:01.00)	46.8	44.7
(2022/01/27 15:00:01.00)	46.4	44.1
(2022/01/27 15:15:01.00)	45.8	43.8
(2022/01/27 15:30:01.00)	48.3	44.6
(2022/01/27 15:45:01.00)	45.7	43.4
(2022/01/27 16:00:01.00)	46.2	43.1
(2022/01/27 16:15:01.00)	46.8	43.7
(2022/01/27 16:30:02.00)	47.8	44.3
(2022/01/27 16:45:01.00)	47.4	43.8

Table A-1

Figure 1

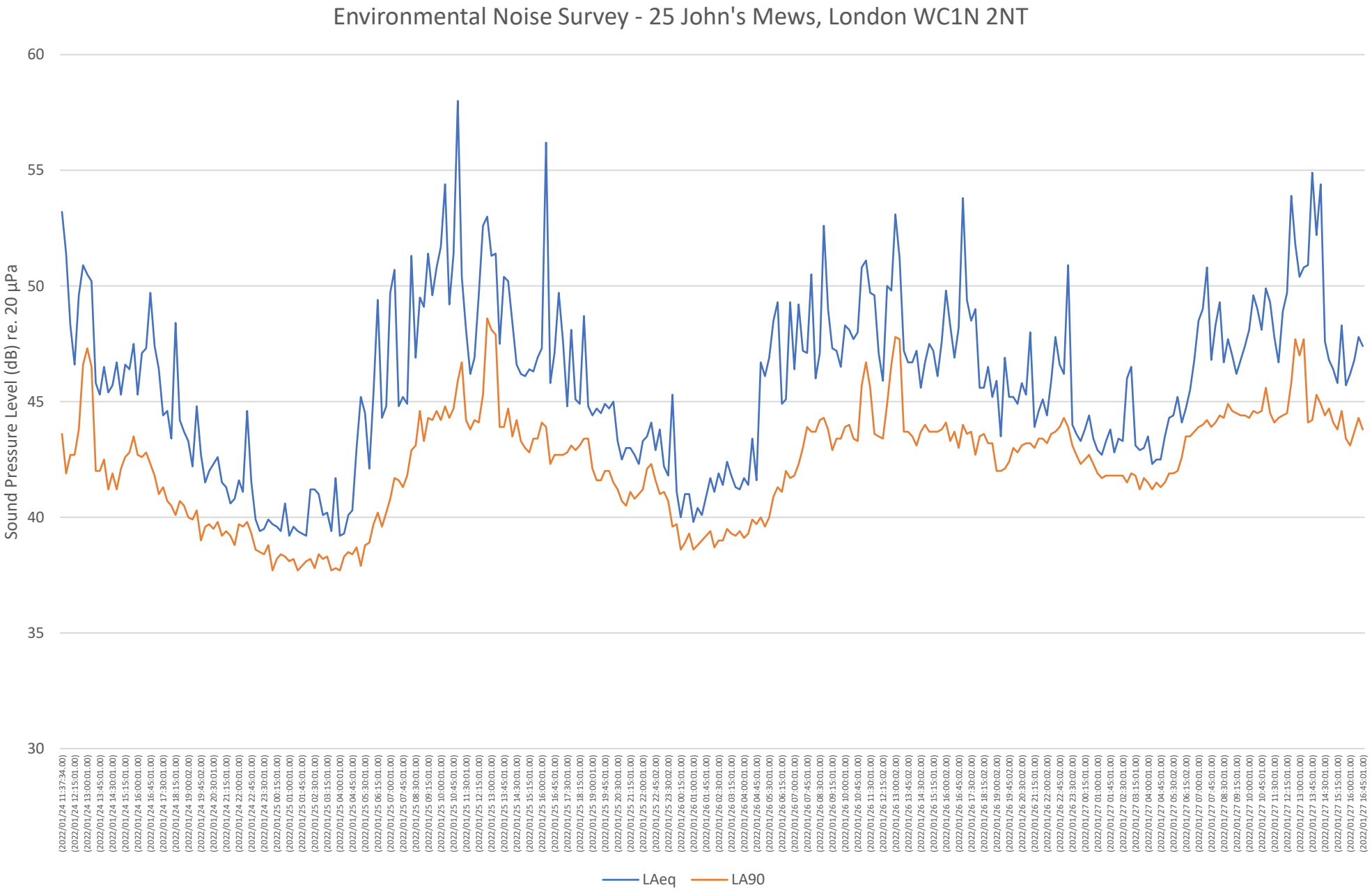
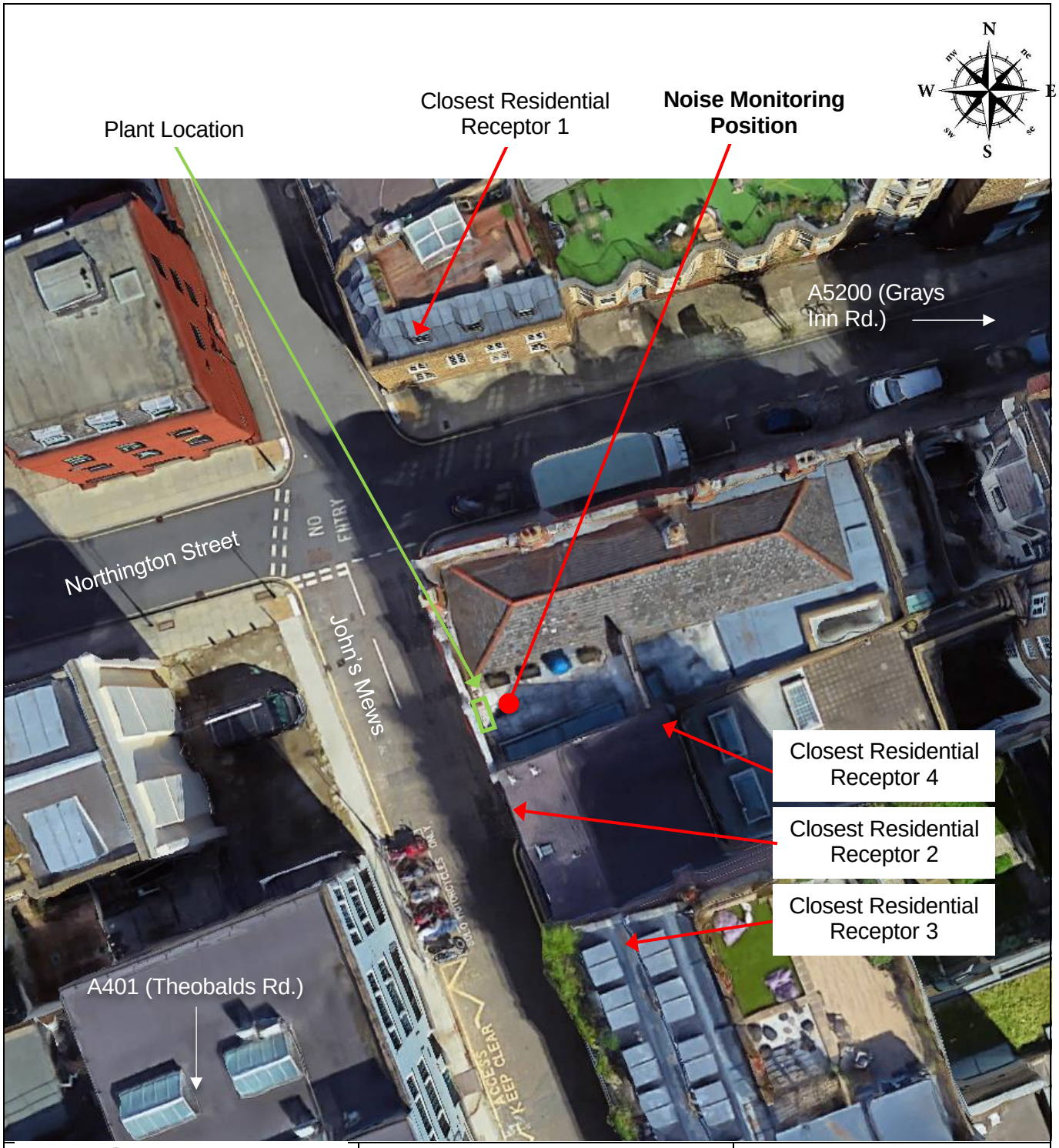

Environmental Noise Survey - 25 John's Mews, London WC1N 2NT
Sound Pressure Level (dB) re. 20 µPa
60
55
50
45
40
35
30
LAeq
LA90

Figure 2



NOICO NOISE CONTROL	Project: 25 John's Mews, LDN, WC1N 2NT	Title: Noise Survey Position
	Dwg No: 2201013-8 Issue 4	Date: 07/04/2022

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