MARTIN
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Acoustic Survey and Assessment for Proposed Residential development at Victoria Mill, 10 Lower Vickers Street, Manchester, M40 7LH.

Prepared for:

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1. Introduction

1.1. Martin Environmental Solutions (MES) has been commissioned to undertake an acoustic survey and assessment to support the discharge of a planning condition attached to permission 138806/FO/2023 for the conversion of the former mill building into residential apartments at Victoria Mill, 10 Vickers Street, Manchester, M40 7LH.

Site Location and Context

1.2. The development site forms part of the former Victoria Mills, much of which has already been converted into residential dwellings. The development being on the ground floor. To the south of the site is a canal with a school beyond. To the west a playground and to the north residential housing. The remainder of the mill building lies to the east.

1.3. An aerial Photograph is enclosed in Figure 1, with a proposed layout in Figure 2.

1.4. The condition states that:

"b) Prior to first occupation of the residential apartments, a verification report shall be required to validate that the work undertaken throughout the development conforms to the recommendations and requirements in the approved acoustic consultant's report. The report shall also undertake post completion testing to confirm that the internal noise criteria have been met. Any instances of non-conformity with the recommendations in the report shall be detailed along with any measures required to ensure compliance with the internal noise criteria."

2. Noise Criteria

2.1. The previous acoustic report produced in November 2023, by MES, ref 2612-1, identified an internal criterion of 35dB $L_{Aeq,16hr}$, for resting in living rooms and bedrooms during the day, while for night-time a level of 30dB $L_{Aeq,8hr}$ to ensure no adverse impact would be experienced by future occupants.

2.2. The criterion were identified from the recommendations within BS8233:2014 and from the World Health Organisation and were based on detailed research over the impact of noise of peoples health and wellbeing and the disturbance of sleep.

3. The Assessment

3.1 In order to obtain determine whether the work undertaken and the control measures in place achieved the desired level of attenuation on site monitoring of the internal sound levels was undertaken over the .

3.2 The sound level meter, a Cirrus Optimus Green CR: 171B unit was placed with an apartment at a height of ~1.3m towards the windows but at a sufficient distance to avoid reflections.

3.3 The meter was field calibrated at the start and end of the monitoring period with no significant variation and full laboratory calibration certificates are available on request.

3.4 The weather during the monitoring was largely dry *with little to no wind. A slight shower was experienced, however this is not considered to have significantly impacted on the measured sound levels, with surrounding roads becoming wet and slightly noisier.*

3.5 The rooms were complete at the time of the monitoring but no furniture was present.

3.6 The full results are shown in Appendix A, with a summary in the tables below.

Start Time	End Time	Duration	L_{Aeq}	L_{A90}	L_{AMax}
19/01/2026 15:00	19/01/2026 23:00	07:59:59	21.8	18.4	53.8
19/01/2026 23:00	20/01/2026 07:00	08:00:00	18.9	17.6	47.0
20/01/2026 07:00	20/01/2026 23:00	16:00:00	27.5	20.5	63.3
20/01/2026 23:00	21/01/2026 07:00	08:00:00	29.5	17.6	53.6
21/01/2026 07:00	21/01/2026 09:00	02:00:01	23.8	20.1	52.8

3.7 Night-time regularly exceeded maximum sound levels during the first night were 36.3dB(A), below the identified criterion of 45dB(A). During the second evening a period of heavy rainfall resulted in a slight exceedance of the 45dB(A), due to the heavy rainfall these results have been excluded.

3.8 The results of the survey identified internal sound levels during typical reference periods utilised for sound monitoring of ;

27.5dB $L_{Aeq,16hr}$ during the daytime
18.9dB $L_{Aeq,8hr}$ at night (29.5dB during the rainy night)
36.3dB L_{AMax} night-time maximum sound levels not regularly exceeded

3.9 The results of the monitoring confirm that the internal sound levels within the apartment achieve the required, previously identified criterion and as such the development complies with the imposed planning condition ensuring a suitable internal acoustic environment without any adverse impact on the proposed occupants.

4 Conclusion

4.1 On-site monitoring has identified the internal sound levels for the apartment and these are below the identified criterion within the original assessment.

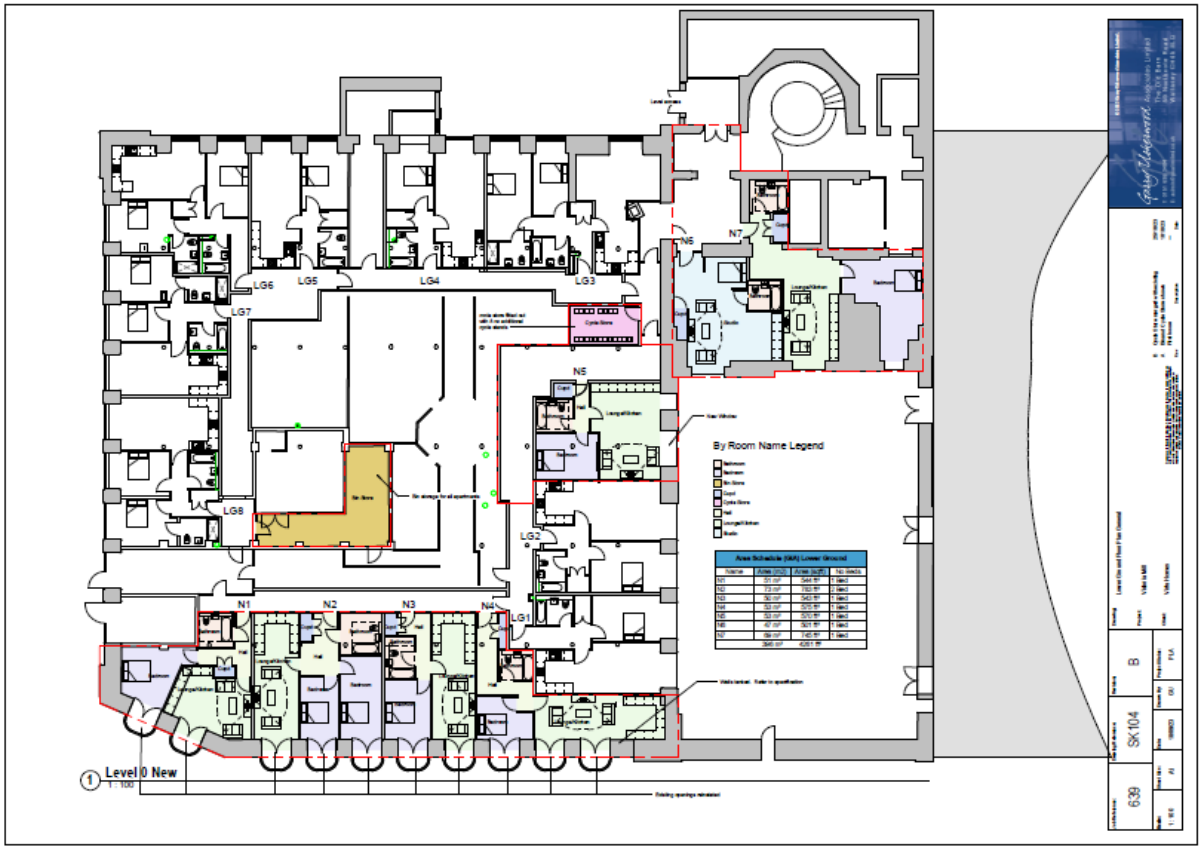
4.2 The development ensure that the internal sound levels are acceptable and will result in a No Observe Effect on the future residents in line with the Noise Policy Statement for England.

4.3 As such the development complies with the imposed planning condition and will meet the objectives of the National Planning Policy Framework in ensuring that no significant adverse impact is experienced by the future residents.

Figure 1 – Aerial Photograph



Figure 2 – Proposed Layout plan



Appendix A – Full Monitoring Results

Time	L_{Aeq} (dB)	L_{AMax} (dB)	L_{A90} (dB)
19/01/2026 15:00	22.4	44.4	20.0
19/01/2026 16:00	23.6	53.8	20.0
19/01/2026 17:00	20.4	39.5	20.0
19/01/2026 18:00	21.7	40.0	20.0
19/01/2026 19:00	21.6	41.7	20.0
19/01/2026 20:00	20.7	37.5	20.0
19/01/2026 21:00	21.1	41.9	20.0
19/01/2026 22:00	21.5	45.3	20.0
19/01/2026 23:00	19.2	47.0	20.0
20/01/2026 00:00	18.9	44.7	20.0
20/01/2026 01:00	18.0	35.8	20.0
20/01/2026 02:00	18.0	30.4	20.0
20/01/2026 03:00	18.2	32.3	20.0
20/01/2026 04:00	18.6	33.5	20.0
20/01/2026 05:00	19.4	30.0	20.0
20/01/2026 06:00	20.5	45.2	20.0
20/01/2026 07:00	23.5	52.0	20.0
20/01/2026 08:00	27.3	51.9	20.7
20/01/2026 09:00	28.7	53.0	21.0
20/01/2026 10:00	27.6	63.3	20.6
20/01/2026 11:00	28.7	56.2	22.1
20/01/2026 12:00	26.3	53.1	21.9
20/01/2026 13:00	32.0	60.1	22.2
20/01/2026 14:00	32.7	57.8	23.5
20/01/2026 15:00	24.0	47.0	21.1
20/01/2026 16:00	23.2	46.8	20.1
20/01/2026 17:00	23.8	45.4	20.7
20/01/2026 18:00	23.9	40.5	20.3
20/01/2026 19:00	26.1	53.1	20.8
20/01/2026 20:00	24.4	51.8	20.0
20/01/2026 21:00	21.8	38.0	20.0
20/01/2026 22:00	27.5	46.6	22.4
20/01/2026 23:00	32.8	51.8	22.2
21/01/2026 00:00	25.2	49.5	20.0
21/01/2026 01:00	22.6	48.3	20.0
21/01/2026 02:00	36.1	53.6	20.0
21/01/2026 03:00	24.7	50.2	20.0
21/01/2026 04:00	20.0	47.9	20.0
21/01/2026 05:00	19.9	45.9	20.0
21/01/2026 06:00	20.9	45.9	20.0
21/01/2026 07:00	21.5	42.5	20.0

21/01/2026 08:00	25.3	52.8	20.2

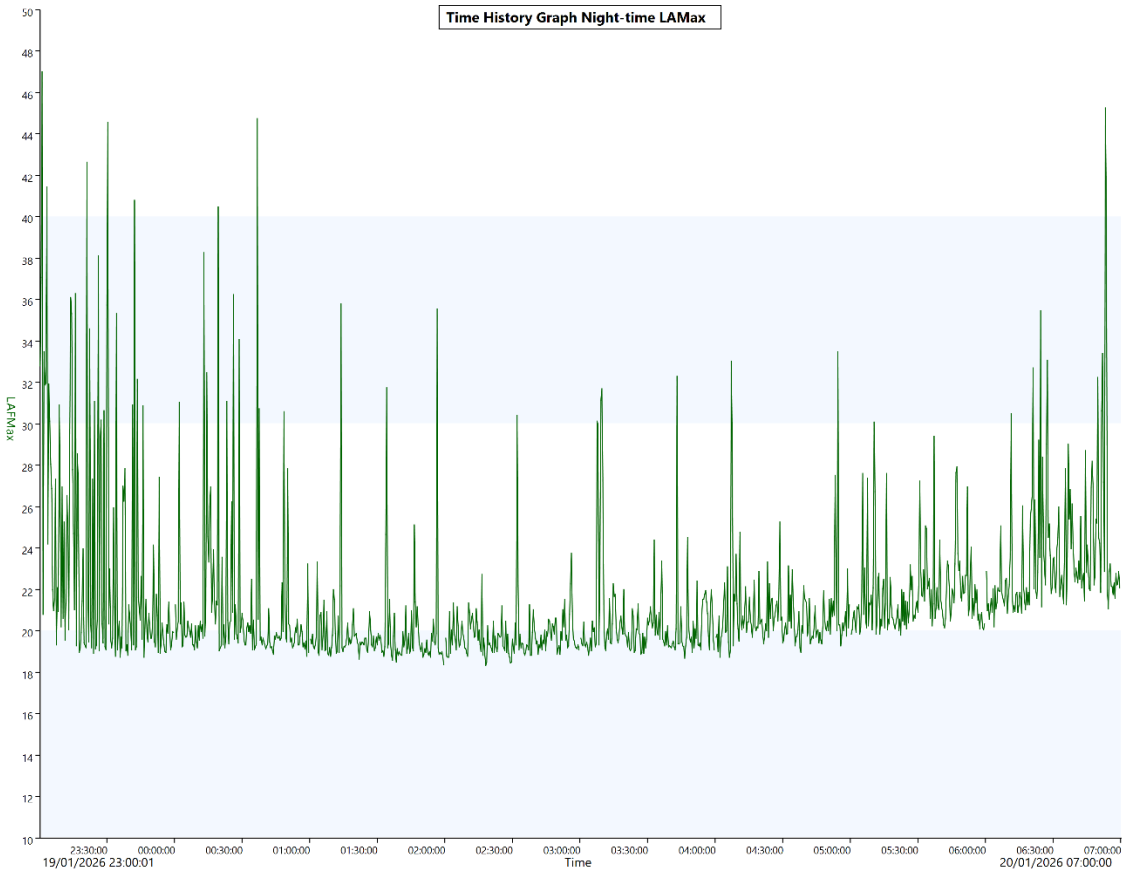
Appendix B - Report Author Details

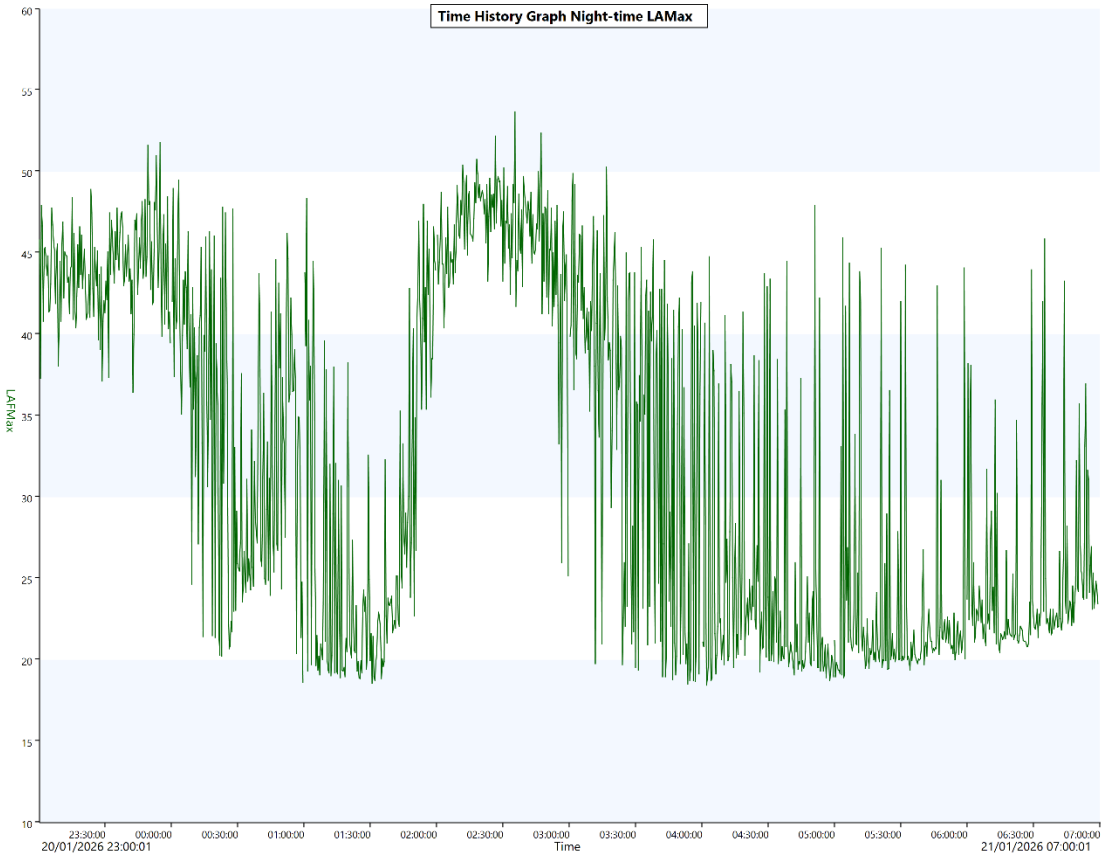
This report has been produced by Neil Martin, BSc (Hons), PGDip, CEnvH MCIEH, MIOA.

Neil is the principal acoustic consultant at Martin Environmental Solutions Ltd, a consultancy company specialising in Environmental Health disciplines including environmental noise assessment and control. He holds a Bachler's degree in Environmental Health and Diploma in Acoustics. He is a Chartered Member of the Chartered Institute of Environmental Health and a Full member of the Institute of Acoustics.

Neil has over 20year's experience working within a Local Authority Environmental Health setting, principally in the Environmental Protection and Public Health areas and has been working as an acoustic consultant since 2011.

Since its formation, Martin Environmental Solutions has advised and assisted many groups including residents, developers and local authorities about the problems of noise and vibration in the environment and the possible solutions. Neil also acts as an expert witness in the area of acoustics.


Time History Graph Night-time LAMax
LAFMax
Time
19/01/2026 23:00:01
20/01/2026 07:00:00


Time History Graph Night-time LAMax
LAFMax
Time
20/01/2026 23:00:01
21/01/2026 07:00:01