



PROJECT NOTE

Ref: P5755/PN01/WJK

3 February 2026

125 MANCHESTER ROAD, CHORLTON

1.0 INTRODUCTION

- 1.1 Acoustic and Engineering Consultants Limited (AEC) were appointed to undertake a noise impact assessment as part of a retrospective planning application relating to the external mechanical plant installed at the premises at 125 Manchester Road, Chorlton.
- 1.2 This project note provides an addendum to the noise assessment (ref P5755/R1/WJK) dated 17 November 2025, which provides an assessment of the noise impact from the external kitchen extract fan at the nearest noise sensitive properties.
- 1.3 The previous noise assessment is reproduced in the following Table 1.1.

Table 1.1 – Previous Noise Assessment

Average Source Noise Level $L_{Aeq,T}$ (dB)	Average Background Sound Level $L_{A90,T}$ (dB)	Excess of Rating Level Over Background (dB)	Significance of Impact
61	41	+20	Indication of the sound source having a significant adverse impact, depending on the context

- 1.4 Following the initial noise assessment, the fan unit was relocated to the kitchen in the basement area of the restaurant.

2.0 UPDATED NOISE ASSESSMENT

- 2.1 Following the relocation of the fan unit, additional attended source noise measurements were undertaken on Thursday 22 January 2026. The updated source noise measurements are shown in the following Table 2.1.

Table 2.1 – Updated Noise Measurements

Time	Duration (hh:mm:ss)	Noise Level, $L_{Aeq,T}$ (dB)	Notes
21:25:03	00:01:00.0	47.0	Noise from plant not audible above background noise. Road traffic along Manchester Road dominant source.
21:26:03	00:01:00.0	48.2	
21:27:03	00:01:00.0	47.4	
21:28:03	00:01:00.0	46.9	
21:29:03	00:01:00.0	45.6	
21:30:03	00:01:00.0	47.9	
21:31:03	00:01:00.0	44.5	
21:33:03	00:01:00.0	46.5	
21:34:03	00:01:00.0	45.2	

- 2.2 The noise measurements demonstrate that the source noise levels have been reduced by a minimum 15dB as a result of the relocation of the fan unit. Noise from the extract system was not audible at the measurement location and road traffic noise along Manchester Road was the dominant noise source.
- 2.3 The above represents a significant reduction in noise levels from the installed plant.

Internal Noise Levels

- 2.4 In order to provide context to the above, the measured noise levels have been considered against the guidance provided in Table 4 of Section 7.7.2 in British Standard 8233:2014 'Guidance on sound insulation and noise reduction for buildings' (BS8233), which provides guideline limits for desirable indoor ambient noise levels for dwellings.
- 2.5 A summary of the recommended internal noise levels for the daytime period (0700h-2300h) is provided in the following Table 2.2.

Table 2.2 – Recommended Daytime Internal Noise Levels

Activity	Location	Daytime Noise Limit, dB 0700-2300h L _{Aeq} , 16h
Resting	Living Room	35
Sleeping (daytime resting)	Bedroom	35

- 2.6 Based on the ambient noise level measured with the unit operating and contribution from road traffic (47dBA from Table 2.1 above) and the ambient noise level measured with the unit switched off (45dBA from Table 4.2 of the noise assessment, ref P5755/R1/WJK), the contribution from the plant has been calculated to be no greater than 42dBA.
- 2.7 Assuming that a partially open window provides -15dB attenuation from outside to inside, the resulting noise level would be **27dBA** within the nearest noise sensitive properties.
- 2.8 The calculated internal noise level is significantly below the recommended desirable noise level for dwellings for the daytime period (0700-2300h) in accordance with the guidance provided in BS8233.