

Technical Memorandum

To: Helen Bradshawe (Environmental Health & Consumer Protection, KBC)

From: Mike Potts (EnviroSolution Ltd)

CC: James Fairhurst (Breck), Mark Quinn (Planning Services, KBC)

Date: 3 October 2025

Re: Huyton CC_Noise assessment_ response to EH&CP comments dated 1 October 2025.

Introduction

This technical memorandum has been prepared by Mike Potts of Echo Acoustics; Mr Potts is a Member of the Institute of Acoustics (MIOA) and is an Acoustic Consultant with over 24 years' experience in environmental noise assessment, within both regulatory and private industry roles at a senior level and including experience in the provision of Expert Witness evidence at Public Inquiry.

This document provides a response to the Local Authority Environmental Health & Consumer Protection Department's comments on the submitted noise assessment¹ for the redevelopment of Huyton Cricket Club.

LA Response

In its response, the LA made the following observations:

1. Please provide a review of the background (L_{A90}) noise levels for the site.
2. The assessment details that there is to be a reduction of approximately 10dB due to the presence of a solid garden fence – is this planned to be an acoustic barrier fence? How can you ensure that the garden fences will be solid and of the correct density to ensure a 10dB reduction?
3. Please provide noise contour maps for day / night for the proposed development?
4. The Approved Document O details assume a 9 dB sound attenuation through a partially open window, rather than a 15 dB level used within the report, further assessment is required in relation to this.
5. A detailed noise mitigation scheme is required ensuring the proposals for each plot are provided.
6. No noise assessment has been undertaken for the potential use of the Cricket club and the effect this could have on the properties surrounding.

Echo Acoustics Response

The following responses are numbered as per the LA's comments.

¹ EnviroSolution Ltd (18/6/2025) "Huyton Cricket Club, Liverpool L36: Noise Assessment"

1. Background (90th percentile noise levels) are summarised, for each day and night time period of the measurement survey, at Appendix A of this document; the full, 5-minute, data set is available on request.

However, the data serve no particular purpose as they are only of use in undertaking an assessment of commercial noise effects on the proposed development, in accordance with the guidance provided in British Standard (BS) 41412:2014 + A1:2019 *Methods for rating and assessing industrial and commercial sound*. A BS 4142 assessment was not provided as there was no evidence of commercial noise affecting the development and, therefore, nothing to assess.

2. The properties closest to Huyton Road are apartments with communal green spaces rather than private garden areas; these have been specifically laid out in this manner to provide significant screening for the properties behind. The closest dwellings with garden areas, plots 65 and 66, have 1.8 metre brick pillar and solid fencing infill whilst other garden areas have 1.8m solid timber fencing comprising 22 mm thick wooden planks; the details of this are provided at Appendix B. These are not specifically “acoustic barriers” but their construction is sufficiently solid to provide a minimum of 10 dB of sound reduction.
3. Contour maps are not available as these are derived by computer modelling; this was not carried out as the site is relatively simple and is affected principally by traffic Huyton Lane. Computer noise modelling is not necessary for this site.
- 4 & 5. Approved Document Part O relates to overheating of dwellings and does not explicitly state a 9 dB reduction for partially open windows.

All buildings on the development will be subject to plot specific calculations to enable compliance with Part O, which will be carried out during the detailed design stage.

Thermal modelling (TM59 assessments) must be carried out on developments where noise or air quality issues are present. TM59 assessments generally model windows to be closed at night when noise or air quality is an issue.

Dwellings affected by noise at Huyton Cricket Club (as highlighted in the Noise Assessment) will be thermally modelled with windows closed at night in full compliance with Part O of the building regulations. Any additional overheating mitigation that may be required following the TM59 assessments will be incorporated into the designs as necessary.

Therefore, it is considered inappropriate and un-necessary to reference a 9 dB reduction for partially open windows in the noise assessment when they will be modelled as being closed for Part O compliance.

6. The proposals are for the redevelopment of the *former* Cricket Pavilion; there are no proposals for sports facilities within the development. At this time there is no ‘end user’ for the pavilion and if approval is granted any use would have to comply with all environmental health matters, including noise. This matter can be a planning condition.

I trust this provides sufficient detail to address all the Local Planning Authority's queries.

Appendix A: Measurement data including 90th percentile values

Position	Period	Measured noise (dB)		
		L_{A90}*	L_{Aeq}	L_{Amax}
P1	Day	45	66	-
	Night	35	57	74
	Day	43	63	-
	Night	52	57	75
	Day	47	64	-
<i>Average:</i>		-	64	-
		-	57	75
P2	Day	51	49	-
	Night	32	51	71
	Day	53	48	-
	Night	33	46	64
	Day	51	51	-
<i>Average:</i>		-	49	-
		-	49	71

* *Modal values*

