



Suite 24  
Doncaster Business Innovation Centre  
Ten Pound Walk  
Doncaster  
DN4 5HX

**Flockton Green WMC**  
**157 Barnsley Road, Flockton,**  
**Wakefield, WF4 4AA**

**Noise Impact Assessment**

**For:**  
**Cadvis3d Ltd**

22<sup>nd</sup> December 2025

Ref: NIA/12174/25/12410/v2/Flockton Green WMC, Wakefield, Noise Management  
Issue: Second  
Author: R. Whitaker BSc (Hons) MIOA

# Contents

<b>1</b>	<b>Introduction</b>	<b>1</b>
1.1	Overview	1
1.2	Site Description	2
<b>2</b>	<b>Noise Mitigation Scheme</b>	<b>3</b>
2.1	Introduction	3
2.2	Boundary Fence	3
2.3	Noise Management Plan	4
	<b>Appendix A – Abbreviations and Definitions</b>	<b>5</b>

# 1 Introduction

## 1.1 Overview

Environmental Noise Solutions Ltd (ENS) has been commissioned by Cadvis3d Ltd (hereafter referred to as 'the client') to provide a noise mitigation scheme for the external seating area at the Flockton Green Working Men's Club (WMC) (hereafter referred to as 'the site').

Planning permission (Ref:2024/90153) for the development was granted conditionally by Kirklees Council in April 2025. A further application has been made to vary conditions relating original application, with Planning Permission granted in October 2025 (Planning Permission reference: 2025/70/91797/E).

Of relevance to this report, Planning Condition 14 relates to the control of noise as follows:

*'14. Before the development is brought into use, a Noise Mitigation Scheme shall be submitted to and approved in writing by the Local Planning Authority. The scheme shall include details of the noise mitigation measures that will be used at the proposed development to control noise from the use of the external seating area and it shall demonstrate that the noise will not cause a loss of amenity at nearby noise sensitive premises. The approved scheme shall be implemented before the development is brought into use, reviewed periodically and retained thereafter.'*

This report presents:

- The proposed boundary treatments of the external seating area
- A noise management plan for the external seating area

This report has been prepared on behalf of the client for the sole purpose described above and no extended duty of care to any third party is implied or offered. Third parties referring to the report should consult the client and ENS as to the extent to which the findings may be appropriate for their use.

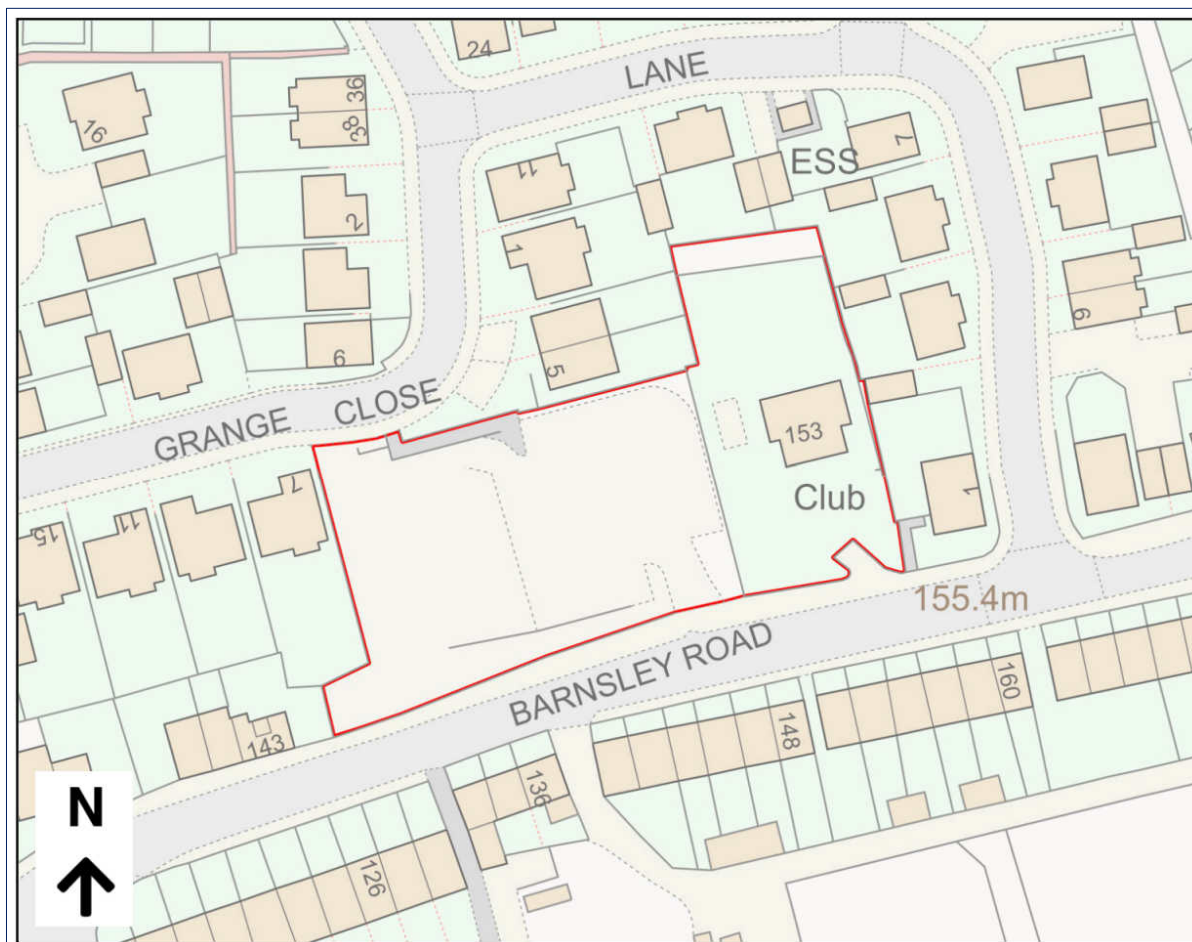
A glossary of acoustic terms used in the main body of the text is contained in Appendix A.

## 1.2 Site Description

The site is located to the north of Barnsley Road (A637), centred on grid reference: 423972,414907, in an area of primarily residential land uses.

The approximate site boundary is presented on Figure 1.1 below.

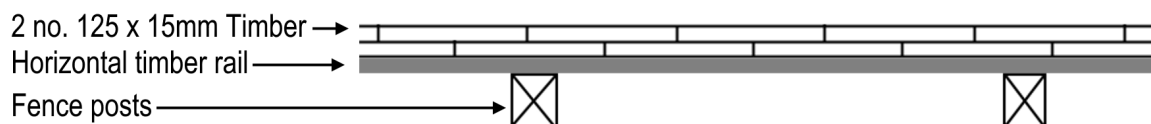
**Figure 1.1:** Development Site Boundary



The development is bounded to the north, east and west by residential dwellings, with further residential dwellings to the south beyond Barnsley Road.



The fence should have a minimum height of 2.4 metres and be built in double-thickness solid timber construction with a minimum superficial mass  $\geq 10\text{kg/m}^2$ . The fence should have no gaps or holes (cover strips should also be used to prevent gaps forming over time) and should be fully sealed at the ground (i.e. include a gravel board).



## 2.3 Noise Management Plan

A noise management plan (NMP) is recommended to further control the behaviour of patrons and to also control any noise associated with the use of the external seating area.

### Site Noise Policy Management

- Ownership of the Site Noise Management Policy (SNMP) lies with the General Manager. The General Manager will be responsible for the monitoring of the procedures specified and ensuring their continued compliance.
- In instances of potential non-compliance, steps will be taken by the General Manager to ensure that the incident is recorded and the correct procedures put in place.
- Regular training will be provided by the General Manager (or a member of the Management Team) to General Staff to ensure that the SNMP is adhered to at all times.
- In instances of potential non-compliance, steps will be taken by the General Manager to ensure that the incident is recorded and the correct procedures put in place.
- All staff are to be made aware of the importance of preserving good relations with surrounding neighbours, particularly residential neighbours.

### Minimising External Noise

- The use of amplified external music is prohibited at all times in external areas.
- The external seating area will not be used after 23:00 hrs.
- Signs to be located in prominent external places asking guests to not shout in the external areas and to keep raised voices to a minimum.

### Instructions for Duty Management and General Staff

- If a complaint arises, management and employees will follow a set of guidelines which set out how to deal with complaints quickly and effectively and to address any issues raised
- Complaints from neighbouring residents (by letter, telephone or in person) should be met with a concerned, polite reply sympathetic to the residents' concerns. The complaint should be logged and reviewed with Site Management and/or General Staff with a noted action taken
- Put signs in prominent places asking guests to be quiet when leaving the venue
- Annual reviews of the noise management plan will be undertaken by the premises to ensure appropriate action is taken and that the noise management plan is relevant / up to date. Where potential improvements to noise management are identified by the premises, the noise management plan should be updated accordingly

# Appendix A – Abbreviations and Definitions

## Sound Pressure Level ( $L_p$ )

The basic unit of sound measurement is the sound pressure level. As the pressures to which the human ear responds can range from 20  $\mu\text{Pa}$  to 200 Pa, a linear measurement of sound levels would involve many orders of magnitude. Consequently, the pressures are converted to a logarithmic scale and expressed in decibels (dB) as follows:

$$L_p = 20 \log_{10}(p/p_0)$$

Where  $L_p$  = sound pressure level in dB;  $p$  = rms sound pressure in Pa; and  $p_0$  = reference sound pressure (20  $\mu\text{Pa}$ ).

## A-weighting

A frequency filtering system in a sound level meter, which approximates under defined conditions the frequency response of the human ear. The A-weighted sound pressure level, expressed in dB(A), has been shown to correlate well with subjective response to noise.

## Equivalent continuous A-weighted sound pressure level, $L_{Aeq, T}$

The value of the A-weighted sound pressure level in decibels of continuous steady sound that within a specified time interval, T, has the same mean-square sound pressure as a sound that varies with time.  $L_{Aeq, 16h}$  (07:00 to 23:00 hours) and  $L_{Aeq, 8h}$  (23:00 to 07:00 hours) are used to qualify daytime and night time noise levels.

## $L_{A10, T}$

The A-weighted sound pressure level in decibels exceeded for 10% of the measurement period, T.  $L_{A10, 18h}$  is the arithmetic mean of the 18 hourly values from 06:00 to 24:00 hours.

## $L_{A90, T}$

The A-weighted sound pressure level of the residual noise in decibels exceeded 90% of a given time interval, T.  $L_{A90}$  is typically taken as representative of background noise.

## $L_{AF \max}$

The maximum A-weighted noise level recorded during the measurement period. The subscript 'F' denotes fast time weighting, slow time weighting 'S' is also used.

## Single Event Level / Sound Exposure Level (SEL or $L_{AE}$ )

The energy produced by a discrete noise event averaged over one second, regardless of the event duration. This allows for comparison between different noise events which occur over different lengths of time.

## Weighted Sound Reduction Index ( $R_w$ )

Single number quantity which characterises the airborne sound insulation properties of a material or building element over a defined range of frequencies ( $R_w$  is used to characterise the insulation of a material or product that has been measured in a laboratory).