

Memo

From David Poulton, Environmental Noise Solutions Limited
To Stephen Sadler
Subject Land off Shaw Lane, Elland
Date 28 September 2017

Stephen

A noise survey of the site has been performed on the 14/15 September 2017 to address the noise concerns of the LPA.

The site is situated in a mixed use area with the main noise sources being the railway line and commercial/industrial units to the north and to a lesser extent road traffic on Lower Edge Road and the adjoining school. The dominant noise source across the entire site is the industrial activities to the north and especially on the north western corner of the site (daytime and night time).

Based on typical noise levels across the site ranging from the low 50s to high 60s dB $L_{Aeq(16 \text{ hours})}$ during the daytime and low to mid 50s dB $L_{Aeq(8 \text{ hours})}$ during the night time (some of which are tonal in character), noise should not preclude the residential redevelopment of the site and it will be possible, where necessary, to suitably control noise ingress and to ensure that a reasonable level of internal noise amenity is maintained for future residents.

With regards to garden amenity, it may be necessary to orient properties along the north boundary of the site such that the dwellings themselves protect garden amenity (given the current external noise levels in the high 60s dB and a need for suitable barrier screening for gardens).

Our formal report detailing the full findings of the noise survey and recommendations for noise attenuation measures is to follow but **our conclusion, at this stage, is that noise should not preclude the granting planning approval for the proposed, outline residential development.**

The likely requirements for the development are:

- Enhanced acoustic glazing and an alternative form of acoustically treated ventilation for plots along the northern portion of the site to ensure a reasonable standard of internal, residential noise amenity.
- Suitable acoustic screening for gardens along the northern boundary of the site.
- For the remainder of the site, subject to final layouts, it is likely that standard thermal glazing and standard trickle ventilation will suffice.

I trust that the above meets with your requirements; please do not hesitate to contact me if you require any further information.

Best Regards

Dave Poulton
Environmental Noise Solutions Ltd.