



ENVIRONMENTAL STATEMENT

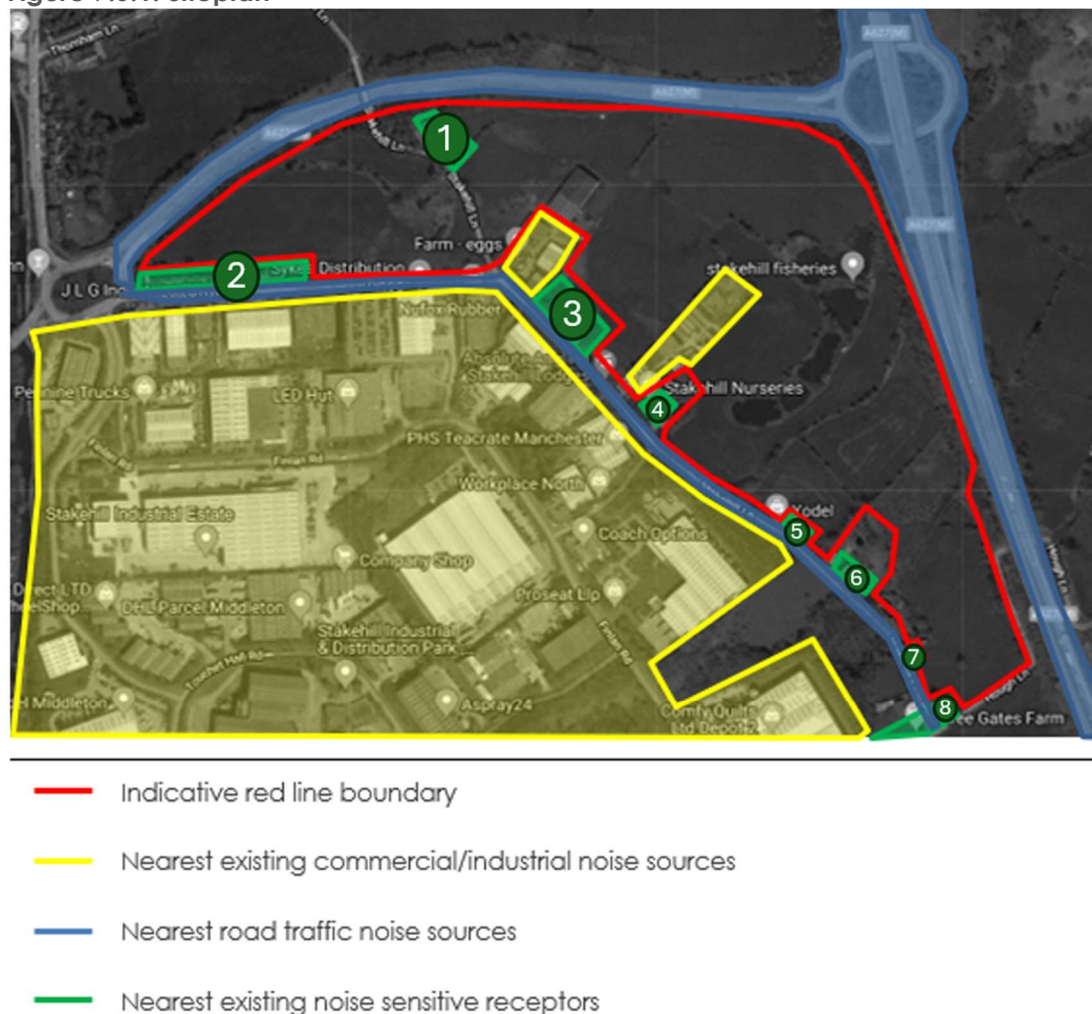
VOLUME 2

**APPENDIX 9.6 – NOISE FROM EXISTING
BUSINESSES AFFECTING PROPOSED
RECEPTORS**

Appendix 9.6: Noise from Existing Businesses Affecting Proposed Receptors

There are a number of existing businesses identified in yellow in Figure 7.6.1, all of which have the potential to generate some level of noise. The presence of existing residential receptors identified in green in Figure 7.6.1 demonstrates the principle that, with the adoption of good acoustic design, new noise sensitive receptors can be built close by without placing significant additional burden on those businesses.

Figure 7.6.1: Siteplan



A short, daytime site visit was undertaken on 13th August 2019 to make observations on the surrounding businesses in order to determine main noise sources for the purposes of master planning input.

The existing business that were determined to have the greatest potential for noise impact on the proposed receptors were JLG Industries (shown as orange Figure 7.6.2), where the dominant noise sources are powered tools and machinery, such as drills and saws, and RDM Engineering (shown in blue in Figure 7.6.2), where the primary noise source was determined to be forklift movements, as well as loading and unloading of goods vehicles.

Figure 7.6.2: Main noise producing businesses adjacent to the site as noted during the daytime site visit



While other businesses do have the potential to generate noise, no other business was deemed on the short site visit to present any additional noise concern that would need to be accounted for. In both instances, there are already existing noise sensitive receptors in close proximity to these businesses so it is unlikely that residential development on the site would further constrain the existing businesses.

It can be considered that where BS 8233 or WHO Guidelines are exceeded this is the equivalent of a significant effect.

The measurement location closest to RDM Engineering was ML1. During the noise survey it was considered that road traffic noise from Stakehill Lane was dominant at this location with minimal contribution from commercial noise. It is therefore considered that noise from RDM Engineering will not affect proposed residential development.

The measurement location closest to JLG industries was ML4. Observations at this location suggest that during times when the roller shutter door is open noise from JLG industries is dominant. Measured daytime noise levels at this location were 47-56 dB $L_{Aeq,16h}$. There is therefore potential to be exceeded BS 8233 or WHO Guidelines to be exceeded which is equivalent to a significant effect.

At this stage, it is recommended that, where possible, gardens are placed away from site boundaries bordering existing businesses, and that internal roads are used as a buffer zone between noise generative and noise sensitive uses.