

## **Environmental Health Consultee Comments for Planning**

Application Number: UTT/24/1618/PINS

Land South Of Bedwell Road Ugley

### **Consultee**

Name: Sadie Stowell

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Date: 25 October 2024

**Consultation on S62A/2024/0049 - Approval of reserved matters following outline approval UTT/20/2908/OP for Up to 50 market and affordable dwellings, public open space and associated highways and drainage infrastructure –**

### **Comments**

#### **Noise**

I have reviewed the Noise Impact Assessment prepared by WSP, dated June 2024, reference: NO. UK0033240.2467\_AC1 and make the following comments:

An environmental noise survey was carried out at three representative locations (two co-located but at different heights) between 1st May and 7th May 2024. The noise climate was dominated by the M11 at all three locations.

I note that section 3.3 states 'Weather conditions were mostly dry, although there were two periods of precipitation on the Friday and the Monday, with wind speeds less than 5m/s.' but in appendix C, Table C-2 there are multiple occasions particularly on Friday 3<sup>rd</sup> May where windspeeds exceeded 5 m/s. Were these included in the results?

It would also be helpful the monitoring data could be included within a graph or table in the appendices showing any data excluded and why.

The impact of noise upon the site was assessed using BS 8233:2014 and the WHO Guidelines for recommended internal noise levels within the proposed dwellings. Figure D-3 shows that the night-time noise levels predicted outside all façades of the proposed properties are greater than 45dB LAeq,8h and as such all will require some level of mitigation and a detailed assessment with the windows closed.

Details of the recommended acoustic performance requirements of the glazing and ventilation systems are given in Table 4-3 and Figure E-1 in Appendix E indicates the facades of the proposed dwellings to which the glazing and ventilation systems set out in Table 4-3 should be assigned. Section 4.7.4 also provides some assumptions that should be noted as well. It would be helpful if break in calculations were provided for a small selection of the site to demonstrate the validity of the mitigation scheme.

It is noted that the plots on the northern portion of the site along the western boundary closest to the M11 are exposed to the highest noise levels and for that reason there are no habitable rooms facing the M11, which demonstrates good acoustic design.

Figure D-1 of Appendix D presents the predicted noise levels across the Proposed Development, based on the noise model. 55 dB LAeq, 1hr is met across the majority of the site with the exception of a minor exceedance of 1 dB in some spaces which is negligible. 1.8m close board fencing is proposed across the site and the arrangement of this is shown in figure D-2 Appendix D. With the exception of one 2.0m high fence and another with a 2.2m high wall shown on the same figure.

I would recommend the above comments are addressed prior to the discharge of condition 4.

### **Layout**

I have reviewed the layout plans and have no objections to the discharge of condition 3. I note that the plots on the northern portion of the site along the western boundary closest to the M11 are exposed to the highest noise levels and for that reason there are no habitable rooms facing the M11, which demonstrates good acoustic design.