

Emma Palmer-Barnes

From: Emma Palmer-Barnes
Sent: 25 November 2021 12:26
To: Emma Palmer-Barnes
Subject: FW: DMPA/2020/0985 East of Egginton Road and North of Jacksons Lane, Etwall Common, Derby
Attachments: 5000EA Datasheet.pdf

From: Amanda Vos <amanda.vos@redrow.co.uk>
Sent: 25 November 2021 12:13
To: Emma Palmer-Barnes <Emma.Palmer-Barnes@southderbyshire.gov.uk>
Cc: Alex Kenny <alex.kenny@redrow.co.uk>
Subject: RE: DMPA/2020/0985 East of Egginton Road and North of Jacksons Lane, Etwall Common, Derby

Hi Emma,

Thank you for passing the documents onto the LLFA. As part of our submission, we have met the following points that were advised in the mitigation section of the noise report submitted for the Outline application 9/2017/1191 (permission granted 14/11/17):

- *The indicative site layout provided, as shown in Figure 5.1, identifies that the first line of housing will shield the gardens from road traffic noise from the A50, which is in line with good acoustic design. A buffer area has been created in the southern area of the site, in the form of public open ground including a lake, in order to increase the separation distance from the A50 to the first line of housing.*
 - From the outline we have maintained a strong build line to the southern boundary and the large area of Public Open Space increasing the distance from the A50
- *One bund will be created in the south-western corner of the site, as shown in Figure 5.1, which will have a beneficial effect on the local noise environment within the southern buffer area by reducing the road traffic noise from the A50 within this area. Additionally, the most southern line of housing will have a continuous building line, by ensuring that a brick wall or environmental noise barrier is constructed between the houses as a garden boundary, as indicated in Figure 5.1.*
- - We have maintained the proposal of the bund from the outline application in addition to either 1.8m screen walls or 2.0m acoustic fencing along the Southern boundary
- *Mitigating noise through the use of double glazing is an approach that is entirely consistent with the Planning Practice Guidance (PPG) and the NPPF. A standard double glazing system in a 4/12/6 configuration should provide a Sound Reduction Index (SRI) of 28 dB. To ensure the maximum sound reduction is provided by the glazing an alternative means of ventilation would be required. Appropriately specified acoustic trickle vents could be installed to allow adequate ventilation without the requirement to open windows. Additionally, the rest of the façade build-up would be expected to achieve a SRI of 55 dB.*
 - We have proposed acoustic trickle vents to the Southern boundary as suggested in the report. Please find attached the Data Sheet for an example acoustic vent from the manufacturer. These would adequately ventilate the rooms without the need to open the windows. As stated in the report The SRIs achieved the BS 8233 requirements for both daytime and night-time.

Should you require anything further do not hesitate to contact me.

Kind Regards,

Amanda Vos
Technical Coordinator

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