

Our Ref: TRS/HAM/E4559/17285

07th January 2019

Havant Borough
Council
Development Control
Civic Offices
Civic Centre Road
Havant
Hampshire
PO9 2AX

Dear Sirs

DEVELOPMENT AT WESTWOOD CLOSE, EMSWORTH

RE: OBJECTION COMMENTS FROM SUZANNE BENTE AND CLIVE YEOMANS

We have been forwarded the objection comments provided by Suzanne Bente and Clive Yeomans with the assistance of independent hydrologist Paul Garrad and provide the following response in order of the comments raised:

1. Following further consultation with the Environment Agency (EA), as statutory consultees in relation to fluvial flood risk, the assessment of the fluvial flood levels and extent of the required flood mitigation has now been based on an updated fluvial hydraulic model taking into account of DEFRA's 2016 climate change requirements. This supersedes the previously agreed approach with the EA, where a comparison of their flood level data and the LiDAR was undertaken;
2. As noted above, the flood mitigation proposals are now based on the updated fluvial hydraulic model which has been approved by the EA;
3. As per item 1, the updated fluvial hydraulic model has been based on DEFRA's 2016 climate change requirements and has been approved by the EA. The details of which are summarised in the updated site-specific flood risk assessment (FRA);
4. A dry safe access and egress route has been provided via the footpath located along the northern side of the new access road. Details of this along with the minimum finished floor levels are proposed in the updated FRA as part of the flood mitigation proposals which have been submitted and accepted by the EA;
5. Reference to tidal flooding has been corrected as part of the updated FRA;
6. Using FSR rainfall data is still acceptable and the detailed of the surface water drainage strategy along with the supporting hydraulic calculations have all been submitted as part of the FRA. Hampshire County Council, as the Lead Local Flood Authority (LLFA) have reviewed these as statutory consultees on surface water drainage and confirmed

that “*the general principles for the surface water drainage proposals are acceptable...*”. As common practice additional information on the proposals will be submitted as part of the detailed design stage and to address planning conditions relating to surface water drainage;

7. The drainage strategy does not rely on the swale to provide attenuation storage. The surface water run-off is restricted upstream of the swale with attenuation being provided in both storage tanks and lined permeable paving. This strategy is summarised in Chapter 5 of the FRA and reference to using lined permeable paving is denoted on the drainage strategy drawing as well. As noted in item 6 this surface water drainage strategy has been reviewed and the principles accepted by the LLFA as statutory consultees.

We trust the above addresses the items raised in the comments per the objection letter.

Yours sincerely

TERRY SEYMOUR
ENGINEERING DIRECTOR