

From: Simon Davis
Sent: 15 April 2019 15:42
To: 'Kathryn Griffiths' [REDACTED]
Subject: FW: Y/9818/RES and Y/97/18/DOC

Dear Kathryn,

Please see below further response from our engineers regarding drainage matters.

Kind Regards

Simon J Davis MRTPI | Principal Planning Officer, Planning Department, Directorate of Place, Arun District Council |
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Please note that I typically work from home on Thursdays when I am unreachable on my work phone

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From: Laura Gibbons
Sent: 12 April 2019 12:16
To: Simon Davis <Simon.Davis@arun.gov.uk>
Subject: RE: Y/9818/RES and Y/97/18/DOC

Simon,

Comments on the revised drainage and landscape proposals:

1. There are still trees proposed in close proximity to the southern-most attenuation tank.
2. A ground investigation report has been provided which details how groundwater monitoring was conducted November to December 2015. Peak ground water levels within this window were 1.64m bgl near the proposed location for the attenuation pond. Winter monitoring is required to be completed October to March inclusive. This is required even when infiltration is not proposed to ensure that the effects of flotation are adequately accounted for in design.
3. The ground investigation report includes results of infiltration testing completed at two locations. Both tests were completed at over 2m depth. One test gave results which are acceptable to support infiltration. Shallow infiltration testing needs to be completed in the winter to ascertain the potential for permeable paving and shallower infiltrating crate systems. The evidence provided to date is insufficient to justify not utilising infiltration.
4. Top of bank levels, invert levels and slope need to be labelled on proposed ponds.
5. Proposed invert levels of outfalls to ditches appear to be low in comparison to surrounding bed levels. A minimum of 150mm must be provided between the invert level of outfall and ditch bed level.
6. Details of how the permeable paving links to the main drainage system have not been provided.

7. Construction detail drawings need to be provided. I recommend that the applicant refers to our checklist for further detail of our requirements.
8. Please can the applicant supply a catchment area plan.
9. Again it would be inappropriate to comment in detail on maintenance proposals whilst design has not been agreed. However, I note that the document does not state how maintenance will be funded. This must be detailed.

I will review further once points 1-3 are resolved.

Kind Regards,

Laura Gibbons, MEng, GMICE
Engineer (Drainage & Coastal)

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