

From: Arak Kadlec <[REDACTED]>

Sent: 16 March 2021 10:34

To: Laura Gibbons <[REDACTED]>

Cc: Paul Carr <[REDACTED]>; Christian O'Brien <[REDACTED]>; Murray Armstrong <[REDACTED]>; Scott Webster <[REDACTED]>; Brian Chamberlain <[REDACTED]>

Subject: Y/15/21/DOC Yapton - 38 units

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Hi Laura,

The below link will take you to the updated drawings and information to address your latest concerns.

[REDACTED]

Please find below also detailed responses to your queries raised in your e-mail dated 9th of March to 'Planning responses' and Simon Davis – copy of which is attached to this email. For ease of cross-referencing I have kept the same numbering as per your e-mail with all other points considered to be closed now.

Condition 9

3. Cover thickness above geocellular infiltration blanket in the public open space increased to 0.5m. Please note that it was envisaged that maintenance contract would specify the use of grass trimmers only rather than ride on mowers – this is now considered as not relevant. With regards to protection from construction traffic, the POS area above the infiltration blanket is to be kept clear during construction and the site compound was previously relocated to accommodate this requirement, please refer to the 'YAP-CMP-01-F Construction Environmental Management Plan (CMP)' drawing.
The crates in the back garden will be free from loading as any material deliveries for the substructure and superstructure works are delivered via forklift on a loading bay at the front of the plots. We have also notes on drawings TL which is top of the blanket and CL which is the minimum ground level above blankets.
4. Please see 'YAP-AFD-01-A Alternative Fence Construction Detail' construction detail for fencing spanning infiltration blanket as requested.
5. Maintenance manual updated to reflect maintenance of such structures.
11. Alteration to the design undertaken. To comply with the LLFA SuDS Policy 1 point 5.2.2 the surface water (SW) system is designed so the last SW chamber (silt trap) is above the 1 in 10 years plus cc water level within permeable paving system. SW system chambers for Road 2 are not therefore lower than 5.995m AOD, which is a water depth of 0.15m (please see Road 2 with plots 23,25-28_1 in 10 yrs with CC_Rev_B calculations) for the storm design event added to the permeable paving base level of 5.835m AOD. The same principle will apply to Road 3, in this instance the water depth for the 1 in 10 yrs plus cc event is 0.288m (please see Road 3 plus plots 29-32_1 in 10 yrs with CC_Rev_C calculations) and with permeable paving sub-base level of 5.430m AOD (measured at the downstream end of Road 3, please see drawing YAP-130-028C1) results in the design water level of 5.718m AOD. We have designed last SW chamber (silt trap) prior to Permavoid connection to be not lower than this level and downstream pipe do not have any additional connection thus serves as connection conduit only with the actual SW system not being subjected to surcharge during the 1 in 10 yrs plus cc event. However, due to the use of proprietary connection fittings it is required to make connection directly to the Permavoid units, i.e. at the base of permeable paving - please see drawings YAP-130-082C3 and YAP-180-031C2.
14. Sewerage undertaker satisfied with the proposals – please refer to the S104 compliance letter.
15. Road 3 will have increased sub-base material (as per construction detail for Road 3 on drawing YAP-180-035C2 Highway Construction Details Sheet 1 of 2) that will extend 2m beyond kerbline as indicated by hatched area on the YAP-130-028C1 Pervious System Network Layout_38 Units drawing. This is modelled as additional permeable paving sub-base at the same level as Permavoid crates (and is added to help with the half-drain times), with the actual pavement sub-base modelled on top of Permavoid. Additionally external works layout drawing YAP-150-071C1 and Pervious system network drawing YAP-130-028C1 clearly identify road type construction areas.
16. Cover levels adjusted. Please refer to drawing YAP-140-001C1 Private Drainage Manhole Schedules and Microdrainage Land at Stakers Farm, Yapton_38 Units_SW System_RevB calculations. Manholes noted 'In Abeyance' are subject to design for the 70 units scheme.
17. All Silt traps (ST) are clearly marked on the drainage layout drawings and drainage notes No.9.

Condition 10

1. Note added accordingly in the maintenance report
2. Maintenance report updated accordingly
3. Maintenance report updated accordingly

I trust that all the additional information and explanation will allow to discharge the relevant planning conditions but feel free to call me directly on 07917372717 if any of the above is not clear and you would like to discuss them in more depth.

Kind Regards



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