

Our Ref: TRS//E4519/17460

Your Ref: SWM/2018/0471

12th August 2019

The Flood and Water
Management Team
EII Court West
1st Floor
Winchester
Hampshire
SO23 8UJ

By email

FAO: Vicky Westall

Dear Vicky

RE: LAND AT FORTY ACRE FARM, HAVANT (18/00450)

Thank you for your letter dated 1st August 2019.

Further to the comments (repeated in *italics*) raised in your letter we can provide the following responses

- *The drainage proposals are very high level and at this stage we would expect a full drainage scheme to have been developed including pipe runs, pipe flow direction arrows, gradients, sizes and inverts. Drawings should include site proposals; site; plans of surface water drainage and any SuDS features within the scheme.;*

The main strategic surface water drainage runs with corresponding manhole references are all shown on the Drainage Strategy drawings BSO/4519/020-022. These correspond with the associated MicroDrainage calculations, which are presented in Appendix J of the FRA and contain the associated pipe runs, gradients, sizes and inverts. The SuDS basins and ponds are also shown on the drainage strategy drawings.

It would be expected that the full detailed design drawings of the basins and site wide drainage network be provided as part of the discharge of conditions alongside the technical summary note which is referred to in your letter.

- *Confirmation of how the proposed surface water will discharge away from the site. The FRA states the "proposed discharge from the residential portion of the site would continue to Langstone Harbour, via the existing watercourse and Southern Water surface water outfall." Provide details of the agreement with Southern Water to*

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discharge to their surface water network. Provide records showing the invert level of the southern water manhole where it is intended to discharge to. If applicable provide details on any proposed connections to the existing watercourse and any agreements to discharge to the watercourse;

A proposed point of discharge from the new development, via the attenuation system, to the existing surface water outfall is shown on the drainage strategy drawings BSO/E4519/020-022. The invert depth of this existing outfall manhole is shown on both the proposed drainage strategy drawings as well as the baseline hydrology plan presented in Appendix H (of the FRA) as per the topographic survey. This is also described in the "Existing Watercourses" section on page 16 of the FRA.

As you will be aware until planning permission is granted we cannot obtain a Section 106 Agreement (Water Industry Act) from Southern Water; however, Barratts are seeking to have their upstream network adopted by an Independent Licenced Wastewater Operator who themselves have rights to connect to the existing Southern Water Network under OFWATS new charging arrangements (2018).

- *Confirmation that sufficient water quality measures have been included to satisfy the methodology in the Ciria SuDS Manual C753.*

Evidence that the applicant understands the sensitivity of discharge points relating to the receiving water body. Where this is main river or discharging through contaminated land the LPA may have to consult the Environment Agency (EA)

Confirmation on providing sufficient water quality measures is all provided in Section 5.5.4 of the FRA, which demonstrates the assessment of SuDS, allocated pollution indices for the proposed land use and SuDS mitigation index than exceeds the minimum requirements.

Further to the items addressed above, we would also like to highlight that some of the information requested as part of the condition has already been provided as part of the FRA. These include the exceedance flow layout which can be found in Appendix K as well as the provision of an additional 10% for urban creep which is already included in the calculations provided in Appendix J

We trust above addresses the queries raised.

Yours sincerely

TERRY SEYMOUR CENG MICE
ENGINEERING DIRECTOR