

From: Laura Gibbons [REDACTED]

Sent: 12 April 2022 08:51

Subject: Re: Sefter Road, Bognor Regis - discharge of condition for drainage

Hi Dimitrios,

Thank you for sending this information through.

I will be ceasing doing Arun work shortly, so will not be looking at this application again. I have copied in my colleagues at Arun so that they are apprised of the current status. I would recommend that the below comments are addressed prior to the submission of the DOC.

My comments are as follows:

1. There are inconsistencies in network 16 between calculations and layouts. These should be corrected.
2. Manhole printouts from windes should be supplied so cover levels can be checked.
3. Results of winter groundwater monitoring should be supplied with the DOC application.
4. Maximum number of cover seating rings should be stated on construction detail drawing. (I note that maximum 675mm to first step rung is stated but this doesn't stop contractors building "chimneys" on site)
5. Please detail what material lifting rings are to be pointed with.
6. Please detail flow control chamber weir and overflow levels.
7. SWMH17.9 hydrobrake unit reference is inconsistent between construction detail and calculations.
8. SWMH1.19 has a predicted water level of 5.974mAOD. This has a labelled cover level of 6.3mAOD, given slab thickness, cover frame thickness and requirement for at least two courses of engineering bricks it is evident that the crest level of the weir will not be able to be located above this water level. Please review cover level or hydrobrake specification.
9. It is noted that WASTOP are proposed, please specifically detail how it is proposed that these are maintained and visually checked. Separate chambers with simple non return valves are preferred.
10. Catchment area plans should be provided.
11. Construction details- please provide at least two perpendicular specific sections per basin.
12. Please provide construction detail drawings of the proposed watercourse diversion.
13. Headwall details should include 45 degree cranked grilles.
14. Road gulleys should be labelled with cover level.
15. Please apply a factor of safety of 1.1 to destabilising forces, and a factor of 0.9 to stabilising forces in flotation calculations.

Kind regards,

Laura Gibbons

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