

From: Laura Gibbons
Sent: 06 November 2018 13:55
To: Planning.Responses
Cc: David Easton
Subject: RE: Planning Consultation on BE/117/18/DOC

Engineers Comments Regarding Condition 5 and 6

A review of the documents has been completed against my comments on the last DOC application, which was refused based on these comments.

1. No confirmation of which drainage aspects are to be adopted by Southern Water. Section 104 provided for diversion. Unclear if any other parts of the network are up for adoption.
2. It is evident from correspondence so far that there is no consent from southern water to date to connect into the surface water sewer. Section 104, 106 and 185 agreement received.
3. No confirmation of if the geotextile specified on the swale/ pond section is permeable or impermeable. And no accompanying confirmation of consideration of groundwater/ flotation. Geomembrane located above stone liner. BENTOMAT A5100 fleece liner below stone. No accompanying calculations.
4. Low flow channel construction details have not been provided. Headwall details do not specify if cranked. Not provided.
5. No MicroDrainage calculations for pipe networks have been provided. Not provided.
6. No manufacturers details of hydrobrakes have been provided. Not provided.
7. No clarification has been provided detailing if rainfall falling onto the swale area has been accounted for in the calculations. Not provided.
8. Construction details of the storage tanks currently show that they are infiltration not attenuation tanks. Please can the developer/ engineer confirm. Corrected on layout but no revised construction details provided.
9. The location of catchpits has been improved in the revised plans, please confirm the depths of the silt traps on these. All silt traps need to be at least 450mm diameter with 300mm sump required. Not provided.
10. Shallow ditch details still need to be included on the drawings, i.e. investigation required, outfall required if not present, ditch to be cleared out. Not provided.
11. Please provide comment relating to this point and the culvert that links the two ditches in the SW corner. Not included.
12. No contact has been made regarding the potential required improvements to the trash screen in the NE corner. No contact made, no reference to this.
13. Headwall details have been provided, however since this time it has become apparent that water voles are present within the ditch. Please provide methodology that details how these works will be carried out without damaging water voles and their habitat. Please ensure pipe invert levels are set 300mm above the bed level of the ditch. Not clear on layouts provided. And no details provided regarding water voles.
14. Some pipe details have been provided. Need to show full details immediately downstream of manhole SW16. Not provided.
15. Some pipe details have been provided. Full details between the northern storage tank and outlet need to be provided. Pipe diameters and fall not shown. Need to be.
16. Flow rates have been specified on plans. Is 1l/s flow restriction rate at CPM2 achievable without risk of blockage? Rates now not shown on plan. Needs resolving.

17. Pipe diameter downstream of SW1 has not been provided. Some provided. But there are also inconsistencies between Drainage Design sheets and the Section 37/ 278 and S104 drawings in this area.
18. Overflows have been included in the control chambers. Please provide for these in the microdrainage results, and show that they are not active during the 100 year plus climate change event. Not provided.
19. No evidence that trees have been removed from within close proximity of the storage tanks. Please remove these. Not resolved.

It can be seen below that only 1 point has been addressed. Therefore I do not recommend the discharge of this condition.

Regards,

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

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Arun is Working in Partnership with Chichester District Council
Visit Arun's web site at <http://www.arun.gov.uk/> and www.chichester.gov.uk



Save the environment - think before you print.

From: planning.responses@arun.gov.uk [mailto:planning.responses@arun.gov.uk]
Sent: 06 November 2018 13:05
To: Land Drainage
Subject: Planning Consultation on BE/117/18/DOC

To: **Engineers (Drainage)**

NOTIFICATION FROM ARUN DISTRICT COUNCIL

TOWN AND COUNTRY PLANNING ACT 1990

APPLICATION BE/117/18/DOC
NO:

Registered: 05-NOV-18
Site Address: Land off New Barn Lane Bersted PO21 5ED

Description of Works: Application for approval of details reserved by conditions imposed on planning reference BE/18/17/PL relating to condition 5 (Surface water drainage), 6 (SUDs system), 14 (Foul drainage) & 23 (Vehicle access)

The Council have received the above application to discharge conditions. I shall be pleased to receive any observations you may wish to make in respect of those conditions relating to your field of expertise.

[Click here to view the Discharge of Condition application](#)

[Click here to view conditions on original application - click on decision tab](#)

Should you have any comments to make, these should be sent by replying to this email by 20th November 2018.

www.arun.gov.uk/planning

Please be aware that any comments you may make will be available on our website so please do not insert personal details or signatures on your reply.

In the absence of a reply within the period stated, I shall assume that you have no observations to make.

The officer dealing with this application is Mr D Easton who can be contacted on telephone number 01903 737619.

Thanking you in anticipation

Planning Case Officer
Arun District Council

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