

From: Laura Gibbons
Sent: 20 December 2018 11:56
To: Planning.Responses
Subject: RE: Planning Consultation on Y/92/18/DOC

Engineers Comments Regarding Conditions 8, 9 and 10

1. Groundwater was found to be a lot lower than we expected, I note that winter monitoring has not occurred at the locations where infiltration is proposed. This will need to occur before condition 8 is approved.
2. Infiltration rates are also better than we would expect in this area. When were the infiltration tests completed? Infiltration testing needs to be completed within the winter. And were three successive tests completed at each location? This will need to occur before condition 8 is approved.
3. The applicant has confirmed that the reservoir can hold the required storm event above the irrigation level.
4. The applicant has confirmed that the siphon invert level is the control on the maximum water depth stored within the reservoir for irrigation purposes.
5. I note that you are planning on excavating to 3.5m depth to form the base of the reservoir I am surprised that groundwater has not been found above this depth. If it is flotation checks will need to be undertaken.
6. You are proposing an overflow at 8.0m to take water to the infiltration swales. What is the depth of water for the 1 in 100 year plus climate change event above that used for irrigation storage?
7. You state that the siphon taking water to receiving watercourse will not be utilised if it is in flood conditions. Please elaborate on this.
8. Please provide further details of the pumps you are planning on utilising.
9. I have dealt with Causeway recently and identified a bug in the software which means that the half drain time calculated is for the first storm duration only. The software developer accepted this bug and is/was working to fix this. Can you please check if the bug is fixed within the version you are using?
10. Can you also select to just print results from the critical storm events, to reduce size.
11. Please provide exceedance flow routes.
12. Please provide further details of the flood risk barrier.
13. Layout plans need to show: slopes, diameters and materials of pipes; cover levels and invert levels of all manholes and silt traps; base levels and bank levels of all swales; overflow levels; etc. I.e. they need to be of a construction standard.
14. Full construction detail drawings will need to be submitted.
15. Land drainage consent has been applied for, but this has not been agreed. Until further details of infiltration testing and monitoring are provided it will be difficult to review this.

Therefore, I do not recommend that these conditions are discharged at this stage.

Regards,

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

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Arun is Working in Partnership with Chichester District Council



From:

planning.responses@arun.gov.uk [mailto:planning.responses@arun.gov.uk]

Sent: 06 December 2018 09:04

To: Land Drainage

Subject: Planning Consultation on Y/92/18/DOC

To: Engineers (Drainage)

NOTIFICATION FROM ARUN DISTRICT COUNCIL

TOWN AND COUNTRY PLANNING ACT 1990

APPLICATION NO: Y/92/18/DOC

Registered: 27-NOV-18

Site Address: Land at Long Acre Maypole Lane Yapton

Description of Works: Approval of details reserved by condition imposed under ref Y/92/15/PL relating to Condition No 4 Construction Management Plan, 5 scheme of improvements for the section of Maypole Lane, 6 Travel Plan statement, 8 full details of proposed surface water drainage, 9 formal consent approved in writing from the Lead Local Flood Authority, 10 arrangements for the future access and maintenance of any watercourse, 11 foul water sewerage disposal, 12 designs of the reservoir & flood defence barrier, 13 landscaping scheme, 16 details of all new fences (including flood defence barrier).

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 December 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 Nicola Moore who can be contacted on telephone number 01903 737500 X 37944.

Thanking you in anticipation

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