

From: Amanda Scholes on behalf of Planning.Responses
Sent: 17 February 2021 10:15
To: Planning Scanning
Subject: FW: Planning Consultation on: Y/155/20/DOC

Amanda Scholes

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From: Laura Gibbons <Laura.Gibbons@arun.gov.uk>
Sent: 16 February 2021 15:36
To: Planning.Responses <Planning.Responses@arun.gov.uk>
Cc: Simon Davis <Simon.Davis@arun.gov.uk>
Subject: RE: Planning Consultation on: Y/155/20/DOC

Dear Simon,

Thank you for consulting us on this application to discharge conditions, we have the following comments on condition 10 surface water drainage.

1. Infiltration testing was completed in February 2019. Only one test was completed in each location and tests were abandoned quickly. It can be observed that some test pits did show a decrease in water level over the monitoring period and the tests appear to have been terminated because of time constraints rather than evidence of water not falling. I note that in previous correspondence with the applicant it was agreed to ignore infiltration in site design. In the future it should be noted that a greater allowance of time should be given for infiltration testing.
2. Groundwater monitoring results must be provided and should be overlaid on detailed drainage layout drawings.
3. Detailed layout plans must be provided.
 - a. All pipes must be labelled with diameters and falls.

- b. Manhole invert and cover levels must be provided.
 - c. Catchpits must be clearly identified.
 - d. Finish and formation levels of permeable paving must be detailed on plan.
 - e. Layout plans must show connections from roads, driveways and plots to the drainage network.
 - f. Hydrobrake unit references must be detailed on plans and construction detail drawings.
 - g. The invert level of the proposed connections to the culvert and watercourse must be provided, along with the invert level of these existing features at the proposed points of connection. Upstream and downstream bed levels of watercourses must also be provided on plans.
4. A surcharged outfall should be included in calculations where discharge is to open watercourse.
 5. Greenfield runoff rate calculations must be supplied. These calculations must be based upon the proposed impermeable area which is to be positively drained, not entire site area.
 6. An impermeable areas diagram/ catchment plan must be provided.
 7. Calculations must use latest FEH rainfall, or apply a cv of 1.
 8. Results have not been included within calculation printouts. Please include full calculation printouts.
 9. A detailed review of calculations has not yet been undertaken due to the above. Please ensure that pipe reference numbers are included on layouts to facilitate review.
 10. 300mm freeboard must be provided on all basins.
 11. Construction detail drawings must be supplied. Please supply construction detail drawings of basins, permeable paving, manholes, catchpits, flow control devices, headwalls, pipe bed and surround, etc. Basin construction details must include a minimum of two perpendicular cross sections per basin. Details should be site specific.
 12. Please clearly identify which features are to be lined and which are not. Please supply flotation calculations for lined features.
 13. Exceedance flow route drawings must be provided.
 14. A maintenance manual must be submitted which is site specific and details maintenance requirements for all proposed drainage features. It must give a brief outline of the drainage strategy used, detail who will complete maintenance and how this will be funded, detail actions and frequencies for maintenance of all drainage elements, and detail expected design lifetimes/ requirements for replacement of elements.
 15. Root potential areas of trees must not conflict with basins which require liners. Proposed trees must not be located over or in close proximity to the surface water drainage network.
 16. As previously discussed with the Principal Drainage Engineer, please include details of your proposed improvements to the main river behind the millers within the information supplied. This should include removal of the undersized culvert and replacement with a bridge.
 17. Note to be added to drawing to state that watercourses will be cleared of vegetation and silt as part of works. These works must be completed near the beginning of construction to ensure the free flow of water.
 18. Details of how the proposed surface water drainage scheme will provide adequate treatment of surface water prior to discharge should be provided.

We would recommend that the applicant refers to our checklist for full details of our requirements for information at DOC stage. The checklist can be found here: <https://www.arun.gov.uk/surfacewater> .

In summary, we do not recommend discharge of Condition 10 at this time.

Kind regards,

Laura Gibbons

Drainage Engineer

Engineering Services

Please note that I work Tuesdays 08:00-16:00 for Arun only.



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Arun District Council, Civic Centre, Maltravers Rd, Littlehampton, West Sussex, BN17 5LF

From: Planning.Responses <Planning.Responses@arun.gov.uk>

Sent: 11 January 2021 15:34

To: Land Drainage <Land.Drainage@arun.gov.uk>

Subject: Planning Consultation on: Y/155/20/DOC

To: Engineers (Drainage)

NOTIFICATION FROM ARUN DISTRICT COUNCIL

TOWN AND COUNTRY PLANNING ACT 1990

Application No: Y/155/20/DOC

Registered: 29th December 2020

Site Address: Land at Bilsham Road

Description of Works: Approval of details reserved by condition imposed under ref Y/91/17/OUT relating to Condition Nos 7 - landscaping & layout, 8 - Arboricultural Method Statement & Tree Protection Plan, 10 - surface water drainage, 13 - Ecological Management & Mitigation Plan, 15 - external lighting and 21 - Travel Plan.

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 wish to make any comments click on the link www.arun.gov.uk/planning and click into ?Enter Comment? or if this is not possible email your response to planning.responses@arun.gov.uk by **25th January 2021**.

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.

Yours sincerely

Mr S Davis

Planning Case Officer- Arun District Council

Telephone: 01903 737874

Email: Simon.Davis@arun.gov.uk

FLCONDOC (ODS) 2020