

From: Laura Gibbons
Sent: 05 September 2018 10:07
To: Planning.Responses
Cc: Michael Eastham
Subject: RE: Planning Consultation on BN/44/18/DOC

Engineers Comments to Drainage Conditions

Condition 3- surface water drainage design

Infiltration testing has not been undertaken. Groundwater levels of 0.67-1m bgl were observed on site. This is not sufficient to rule out shallow infiltration by permeable paving. We do not require 1m easement between the base of an infiltration structure and groundwater levels, the base of any infiltration structure should be positioned above the maximum record ground water level. Infiltration tests need to be completed at shallow depths, i.e. 0.6m bgl to determine if infiltration is viable.

Alternatively, I would like to see that the formation level of permeable paving is kept above 0.6m bgl and is left unlined so that in the summer infiltration can occur. If this approach is taken I will also need to see calculations that prove sufficient measures have been taken to ensure flotation of the pond liners does not occur and that sufficient volume for water is still available.

Condition 5- discharge to watercourses, culverting, diversion or infilling of watercourses

Flows are being restricted to QBar. However, infiltration still needs to be further investigated.

Proposed culverting of a section of the Southern ditch to provide space for turning head will require land drainage consent.

Condition 6- maintenance manual

This will be reviewed once infiltration testing has been completed and the surface water drainage design agreed.

Condition 8- Layout and easement to watercourses.

Insufficient easement to western ditch. This needs to be addressed!

Works will need to be completed to clear these ditches of silt and vegetation, and ongoing maintenance responsibilities acknowledged in the maintenance manual.

As mentioned above the proposed culverting of the southern ditch to provide space for turning head will require land drainage consent.

Regards,

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

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From: planning.responses@arun.gov.uk [mailto:planning.responses@arun.gov.uk]
Sent: 28 August 2018 11:04
To: Land Drainage
Subject: Planning Consultation on BN/44/18/DOC

To: **Engineers (Drainage)**

NOTIFICATION FROM ARUN DISTRICT COUNCIL

TOWN AND COUNTRY PLANNING ACT 1990

APPLICATION **BN/44/18/DOC**
NO:

Registered: 25-JUL-18
Site Address: Land At Angels Nursery Yapton Road Barnham PO22 0AY

Description of Works: Application for approval of details reserved by conditions imposed under planning permission BN/43/16/PL relating to conditions No. 3 (Surface Water Drainage Scheme), 5 (Discharge of any flows to watercourses), 6 (SuDs system) and 8 (watercourse arrangements)

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 11th September 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 Michael Eastham who can be contacted on telephone number 01903 737772.

Thanking you in anticipation

Planning Case Officer
Arun District Council

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