

From: Daun Johnson
Sent: 24 December 2019 10:28
To: Planning Scanning
Subject: FW: Planning Consultation on BR/327/19/DOC

Daun Johnson | Technical Support Unit Assistant, Directorate of Place, Arun District Council | Location: GroundFloor, Phoenix House, Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF

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Save the environment - think before you print.

From: Sarah Burrow
Sent: 23 December 2019 16:39
To: Planning.Responses
Cc: Amy Myer; Paul Cann
Subject: RE: Planning Consultation on BR/327/19/DOC

Engineers Comments Regarding Proposed Surface Water Drainage Design

- 1: At present there is very little effort made to improve water quality on the site. The department would be keen to see SuDS features installed which improve the quality of surface water runoff, this could include permeable paving with a permeable liner for the parking areas this would make use of any small infiltration potential. The precise arrangements may affect some of the comments below.
- 2: The proposed gully adjacent to Chichester Road is at a level of 4.7 with the 1 in 100 + 40% storm reaching levels of 4.974 at the Hydrobrake flow control chamber. Please provide evidence that this gully will not flood in a 1 in 100 + 40% storm or alternatively adjust the design to ensure that this is avoided.
- 3: Please detail cover types (loading class) on all manholes.
- 4: Pipes are shown entering the attenuation tank at the base. Please raise the incoming pipes (or lower the tank) as much as possible. The minimum cover to units should be 650mm as the tank is under a road surface. Specify invert level/pipe diameter of incoming pipe and specify outgoing pipe invert level. It is assumed that the 225mm diameter outlet pipe is being laid flat to allow bi-directional flow – please make clear on drawing.
- 5: Hydrobrake detail states “restricting flows to 5l/s” – this should be 2l/s. The incoming pipe is labelled as 225diameter on the drainage layout, but 150 diameter on the detail. Specify more details on chamber ie. ring diameter, manhole cover, brickwork, sump dimensions, concrete surround thickness, base thickness & material, benching material, cover slab, rocker pipe length, etc
- 6: There does not appear to be a detail for catchpit manhole 5.
- 7: Provide backdrop construction detail.
- 8: Provide vent detail for tank.
- 9: Channel drain construction detail - specify channel dimensions. Incorporate sump on each channel drain outlet. Specify outlet pipe diameters/levels.
- 10: The road gully detail shows them being 1.8m deep – is this correct?
- 11: Connection detail pipe to pipe – remove square option and show as oblique. This detail needs to reflect connections of differing diameters too.
- 12: Specify invert level at the existing manhole being connected to, including proposed connection level. Specify existing pipe diameter being connected to. Did any part of the original site discharge to this manhole? Are there any other existing connections into this manhole? If so, please indicate. Confirm that this system connects into the main public surface water sewer in Chichester Road and not the foul sewerage system. Provide CCTV survey of pipeline

between the existing manhole and its connection to the main public surface water sewer, to ensure that it is fit for purpose. Depending on your findings, then this pipeline may be classified as a public sewer under the 2011 legislation. If this is the case, we will need to see confirmation from Southern Water that the connection is acceptable.

13: Manhole upstream of tank –provide catchpit inspection chamber construction detail (S10).

14: S3 to S4 – specify pipe gradient.

15: Indicate proposed pipe materials on plan.

16: Pipe bedding – concrete bed and surround required where less than 1.2m cover in vehicular areas. Amend details and provide detail of expansion joints that are required where pipes receive concrete protection.

Regards

Sarah Burrow
Engineering Assistant

And

Paul Cann
Principle Drainage Engineer

From: [REDACTED]
Sent: 28 November 2019 10:35
To: Land Drainage [REDACTED]
Subject: Planning Consultation on BR/327/19/DOC

To: **Engineers (Drainage)**

NOTIFICATION FROM ARUN DISTRICT COUNCIL

TOWN AND COUNTRY PLANNING ACT 1990

APPLICATION NO: BR/327/19/DOC

Registered: 22-NOV-19

Site Address: 283-285A Chichester Road Bognor Regis PO21 5AH

Description of Works: Approval of details reserved by condition imposed under ref BR/324/17/PL relating to Condition No 3 - surface water drainage, 4 - Pre-commencement site meeting with Tree Officer, 5 - Construction Management Plan, 6 - existing public sewer and 7 - foul sewerage disposal.

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](#)

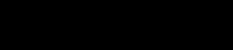
Should you have any comments to make, these should be sent [by replying to this email](#) by 12th December 2019.

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 Amy Myer who can be contacted on telephone number



Thanking you in anticipation

Planning Case Officer
Arun District Council

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