

From: Julie Grieves on behalf of Planning.Responses
Sent: 05 April 2019 10:18
To: Planning Scanning
Subject: FW: Planning Consultation on BN/14/19/DOC
Attachments: 'the Cottage Piggeries' 2014-SK2 Surface Water Drainage Layout.pdf

Further consultee response

Julie Grieves - (Working days Monday, Tuesday, Thursday & Friday 9.15am-2.15pm)
| Technical Support Unit Assistant, Planning Department, Directorate of Place, Arun District Council |

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From: Laura Gibbons
Sent: 05 April 2019 08:13
To: Simon Davis
Cc: Planning.Responses
Subject: FW: Planning Consultation on BN/14/19/DOC

Simon,

I have received a revised layout from the client's engineer (attached). The base of the soakaway has been raised so that sufficient capacity is available above groundwater, and the layout now matches the calculations. Based on this revised drawing, and the previously submitted calculations and details I am happy to recommend the discharge of condition 3.

Thanks,

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

Laura Gibbons | Engineer (Drainage & Coastal), Engineering Services, Arun District Council | Location: First Floor, Arun Civic Centre,
Maltravers Road, Littlehampton, BN17 5LF

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From: Laura Gibbons
Sent: 04 April 2019 11:19
To: Planning.Responses
Cc: Simon Davis
Subject: RE: Planning Consultation on BN/14/19/DOC

Engineers Comments Regarding Condition 3- Surface Water Drainage Design

Winter groundwater monitoring and infiltration testing has been completed. The highest groundwater levels encountered were at 0.79m depth. It is unclear at which of the three monitoring locations that this peak occurred. Please can this be confirmed.

The soakaway that is proposed to be located in the rear garden has an invert level of 5.66m (0.9m below ground). The base of this soakaway must be located above the maximum recorded groundwater level, or adequate volume must be provided above the groundwater level.

Regards,

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

Laura Gibbons | Engineer (Drainage & Coastal), Engineering Services, Arun District Council | Location: First Floor, Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF

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From: planning.response [REDACTED]
Sent: 01 April 2019 17:05
To: Land Drainage
Subject: Planning Consultation on BN/14/19/DOC

To: **Engineers (Drainage)**

NOTIFICATION FROM ARUN DISTRICT COUNCIL

TOWN AND COUNTRY PLANNING ACT 1990

APPLICATION **BN/14/19/DOC**
NO:

Registered: 29-MAR-19
Site Address: The Cottage Piggeries Church Lane Barnham PO22 0DB
Description of Works: Approval of details reserved by condition imposed under ref BN/19/18/PL relating to Condition No 3 surface water drainage.

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 15th April 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.

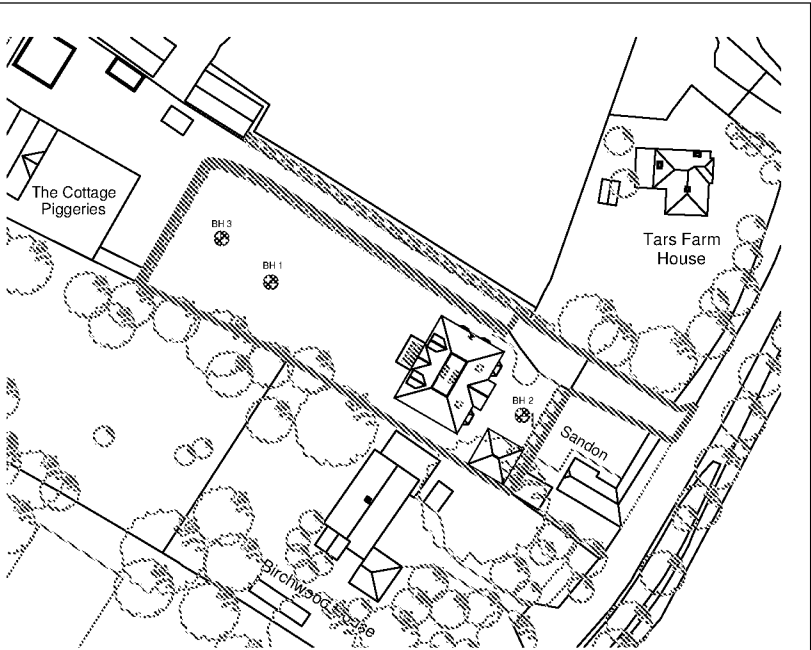
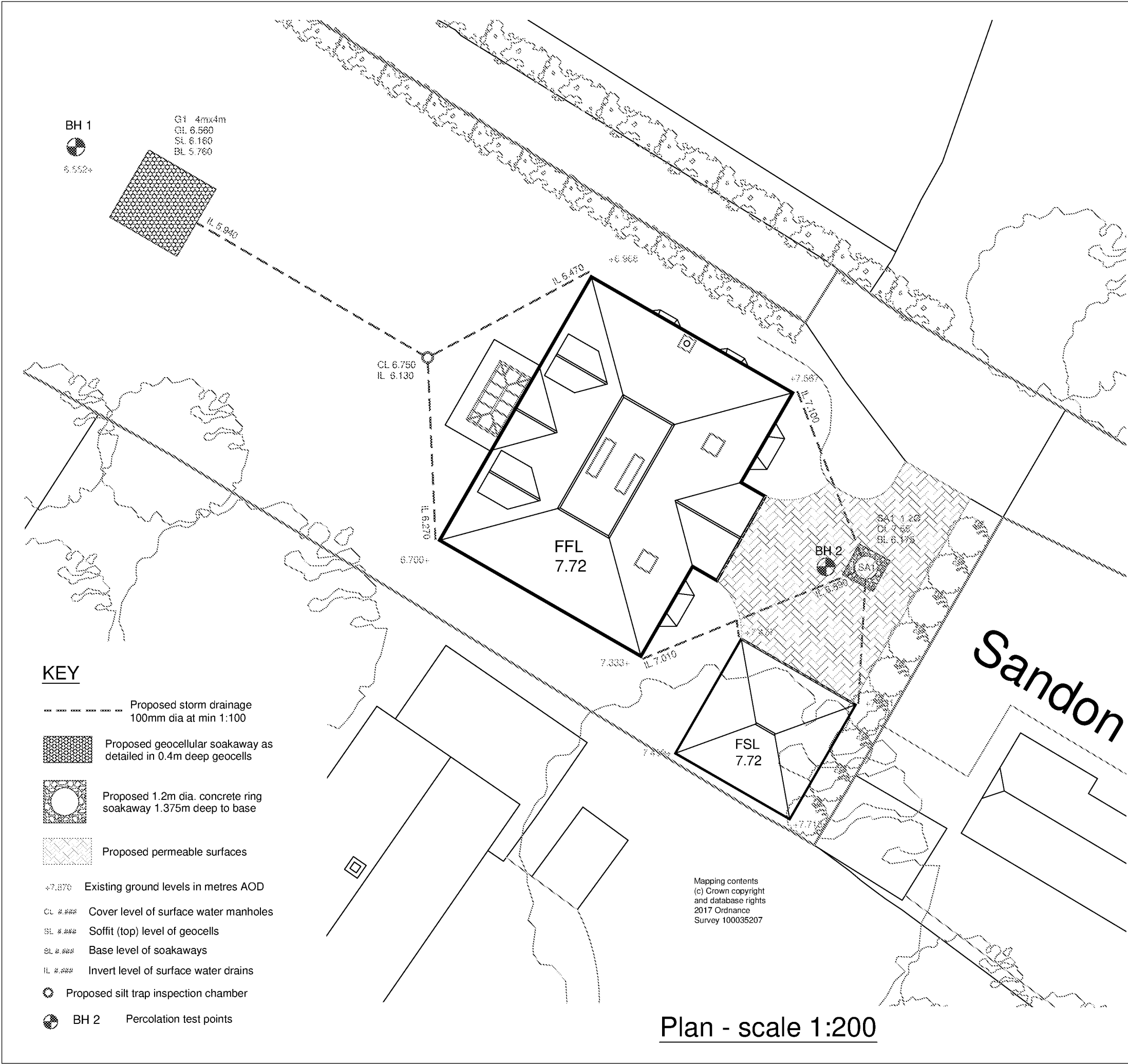
In the absence of a reply within the period stated, I shall assume that you have no observations to make.

The officer dealing with this application is Mr S Davis who can be contacted on telephone number [REDACTED]

Thanking you in anticipation

Planning Case Officer
Arun District Council

post_con_email



Location Plan - scale 1:1250

Surface Water Drainage Design Notes

The geology here indicates Topsoil over River Terrace and Raised Beach Deposits of silt, sand, clay and gravel over London Clay. The River Terrace Deposits were found at 250 - 300 mm below ground level and comprised silty sandy clays with some medium sub-rounded flint gravel. The London Clay was not encountered in test holes that extended to 1.5m below ground level.

Three groundwater monitoring points/test pits were installed and the highest recorded groundwater levels were 790mm below ground level in early February 2019 and 827mm below ground level in mid-March 2019.

The drainage design is based on several percolation tests carried out to BRE 365 principles in mid-January 2019. Fairly consistent soil infiltration rates were obtained that averaged 1.454×10^{-5} m/s.

A new concrete ring soakaway has been designed for the front half of the house and the garage with the rear of the house draining to a geocellular soakaway. The front drive will be permeable concrete block paving which will interact with the concrete ring soakaway to provide soakage at high level above groundwater levels. The design will be suitable to drain the new roof areas without flooding on a 1 in 100 year rainfall event + 40% climate change addition.

See separate Construction Details drawing for details of permeable paving and soakaway structures

NOTE
This drawing had been produced for discharge of planning conditions only. All levels and details to be checked for Building Regulations approval and construction purposes

-	Original	RTFC	23.3.19
Rev.	Description	Drn.	Date

Project
The Cottage Piggeries Church Lane Barnham

Client
Albert Brazil
Drawing Title
Surface Water Drainage

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Scale	As shown	At original	A3
Drawing Number	2014/SK2		Revision -