

Bronte Welham

From: Amanda Scholes on behalf of Planning.Responses
Sent: 27 April 2018 08:24
To: Planning Scanning
Subject: FW: M/35/18/HH

From: Laura Gibbons
Sent: 26 April 2018 14:54
To: Planning.Responses
Subject: M/35/18/HH

Engineers comments regarding surface water drainage
Please apply conditions ENGD2A, ENGD4A.

Soakaways must be investigated for surface water disposal.

Infiltration rates for soakage structures are to be based on percolation tests undertaken in the winter period and at the location and depth of the proposed structures. The percolation tests must be carried out in accordance with BRE 365, CIRIA R156 or a similar approved method and cater for the 1 in 10 year storm between the invert of the entry pipe to the soakaway, and the base of the structure. It must also have provision to ensure that there is capacity in the system to contain below ground level the 1 in 100 year event plus 40% on stored volumes, as an allowance for climate change. Adequate freeboard must be provided between the base of the soakaway structure and the highest recorded annual groundwater level identified in that location.

Any SuDS or soakaway design must include adequate groundwater monitoring data to determine the highest winter groundwater table in support of the design. The applicant is advised to discuss the extent of groundwater monitoring with the Council's Engineers. Supplementary guidance notes are also enclosed for information.

We also note that a highway drain may run along the southern boundary of the site connecting to the watercourse to the west. The exact location of this may need to be investigated and it is encouraged that the developer consults with us.

Regards,

Laura Gibbons
Engineer (Drainage & Coastal)

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

Arun is Working in Partnership with Chichester District Council
Visit Arun's web site at <http://www.arun.gov.uk/> and www.chichester.gov.uk



Save the environment - think before you print.