Engineers Statement

18.01.2023

Re: AWDM/0039/22 : 56 The Meadway, Shoreham-by-Sea

Condition 09. Development shall not commence, other than works of site survey and investigation, until full details of the proposed surface water drainage scheme have been submitted to and approved in writing by the Local Planning Authority. The design should follow the hierarchy of preference for different types of surface water drainage disposal systems as set out in Approved Document H of the Building Regulations, and the recommendations of the SuDS Manual produced by CIRIA. Winter groundwater monitoring to establish highest annual ground water levels and winter infiltration testing to BRE DG365, or similar approved, will be required to support the design of any Infiltration drainage. No building / No part of Ref: AWDM/0039/22 the extended building shall be occupied until the complete surface water drainage system serving the property has been implemented in accordance with the agreed details and the details so agreed shall be maintained in good working order in perpetuity Reason: To ensure adequate drainage and to comply with the National Planning Policy Framework and policy 36 of the Adur Local Plan.

Regarding the above project, we have had the geotechnical site survey undertaken to include the BRE365 soakage testing (*3.1 x 10^{-2} m/s*) and the start of the ground water borehole readings (*no ground water within the 4.0m depth*).

The winter borehole monitoring is underway, but not fully concluded, however the most recent reading taken on the 11 Jan was : *no ground water within the 4.0m depth*

We have designed the surface water system on this info to suit the 1 in 100 storm event + 40%, of which we have attached, the soakaway calcs along with the drainage drawings.

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