



ARCH ASSOCIATES

CONSULTING CIVIL AND STRUCTURAL ENGINEERS

Our ref: AWR/VW/AAL057
18th April 2018

MJH Developments Ltd
MJH House
Unit S4, Rudford Estate
Ford Road
Arundel
West Sussex
BN18 0BF

Dear Sirs

Proposed development – Deans Yard, Orchard Way, Fontwell

Further to the letter to LM Associates from Arun District Council dated 29th March 2018 please see below our response to the specific items regarding the surface water drainage using their item numbers:

- 1) We would advise that a BRE365 test was carried out on 24th Feb 2017 by yourselves to obtain soakage and groundwater information. The test readings & details together with calculations prepared by ourselves were issued previously for this small development. To clarify the position further however, please find attached rainfall data obtained from the Met Office closest monitoring station for the period preceding the soakage testing undertaken by yourselves. This shows relatively high rainfall in the three months Oct-Dec 16 and in particularly Jan & Feb 17. It would be expected that the ground water level would therefore be relatively high at the time of site testing at the end of February.
We understand that no ground water was encountered during the test excavation.
- 3) Please find enclosed our Micro Drainage calculations for the permeable paving areas for the 1 in 100 year storm event and which includes 40% allowance for climate change. The calculations confirm that a 250 deep layer of permeable sub-base provides adequate storage for this event.
- 4) Please find enclosed our drawing number 501 which shows construction details for the soakaways and permeable paving.
- 5) Please find enclosed Wavin Aquacell Drawing 6LB600 which shows construction details for the silt trap manholes.

We understand that the other items raised will be addressed by yourselves or the Architect and trust you will find this to be in order.

Yours faithfully

[Redacted Signature]
Allen Rushby IEng, AMIStructE
For and on behalf of Arch Associates

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