

Mrs. J Rodriguez

JPI Developers 115 Adur Avenue, Worthing, West Sussex, BN13 3NA

6 November 2018

Mr R Castro-Parker
Arun District Council
Arun Civic Centre
Maltravers Road
Littlehampton
West Sussex
BN17 5LF

Dear Mr Castro-Parker

Development: Approval of details reserved by condition imposed under
BR/208/14/PL

Location: 65c Gravits Lane Bognor Regis

Ref: BR/112/18/DOC
Condition No. 3

Please find enclosed information in regards to your engineer's comments relating to Condition No. 3 – Surface Water Drainage:

- Winter Groundwater Level – During excavations for the southwest section of footings (late July 2014), a trial pit was dug in the proposed back garden area approximately 1.58 metres below ground level. This pit was used to determine the soil infiltration rate (2.54×10^{-5} m / sec). An inspection by Arun District Council Building Control on or around 4 Aug 2014 would have seen this trial pit. A site hut for works for the adjacent property, 65 b, was adjacent to the trial pit. This was monitored on the enclosed dates (see enclosed sheet with on-site dates), and then weekly until 4 April 2016 when the remaining footings were excavated (inspected by Arun District Council Building Control) and placed. During this period, groundwater was not observed.
- Please see calculations re-submitted for a single soakaway (rubble-filled) showing a free volume of $.771\text{m}^3$. Proposed soakaways front and rear garden each consisting of 6 no. polystorm crates each being $.4\text{m} \times .5\text{m} \times 1\text{m}$ with a 94% void ratio giving a free volume of 1.28m^3 . Thus, overall, we will provide a free volume area of 2.256m^3 which is 293% of the calculated minimum requirement.

- Please see enclosed plan for position of the soakaway crates. Soakaway to the front garden will be 3 crates long x 2 crates high. Soakaway to the rear garden will be 3 crates side by side x 2 crates high. Both soakaways will have a maximum invert level of .4m using 100mm diameter underground drainage pipe. The assembled crates will be wrapped in Stratacheck plus non-woven geo textile.
- Each rainwater downpipe will have a back inlet bottle gully to trap silt and leaves, etc.

Should you have any questions or need to reach me for any reason, I can be reached at [REDACTED]

Yours sincerely,

[REDACTED]
Mrs J Rodriguez
Secretary, JPI Developers, Ltd.