

30 May 2018

Your ref:
Planning ref:
Our ref: J17038dbc06

Chris Gardiner
Crest Nicholson Regeneration
Crest House
Pycroft Road
Chertsey
Surrey
KT16 9GN

Dear Mr Gardiner,

**RE: ELMSBROOK DEVELOPMENT BICESTER PHASES 3 & 4
ADDITIONAL SOAKAGE TESTING REPORT**

Further to your instruction we have carried out additional soakage testing in locations across this site that have been selected by the Civil Engineers. Soakage testing has been carried out in accordance with BRE365 where infiltration rates have been such that the test has been completed within a day. Where the first fill of the test has not emptied within a site working day, the testing has ceased and the results of a single test presented.

This letter report is provided in accordance with our standard terms, conditions and limitations.

Selected Photographic Records of the Works



The results of the soakage testing are enclosed and the table overleaf provides a summary of the results of testing at each of the locations indicated on the site plan that was provided by the Civil Engineers and set out on site by the Ground Workers. The trial pits were excavated using a mechanical excavator with breaker and ripper that was provided by the Ground Workers.

Shallow Test Locations indicated as being within areas of adoptable roads

Test Location Reference	Test result (m/s)
TP 1	1.1e-4m/s in fragmented Cornbrash
TP 2	>5e-4m/s in fragmented Cornbrash
TP 3	>5e-4m/s in fragmented Cornbrash
TP 4	>5e-4m/s in fragmented Cornbrash
TP 5	>5e-4m/s in fragmented Cornbrash
TP 6	5.7e-5m/s in fragmented Cornbrash and sand
TP 7	>5e-4m/s in fragmented Cornbrash
TP 8	Test not possible due to site stockpile of soil

Deeper Level Test Locations indicated as being within areas of garden and parking

Test Location Reference	Test result (m/s)
TP 1	4.1e-6m/s in limestone with clay
TP 2	3.0e-6m/s in limestone with clay
TP 3	No appreciable soakage below 0.80m in clay and limestone
TP 4	Any infiltration masked by groundwater seepage into test pit during test
TP 5	No appreciable soakage below 1.00m in clay and limestone
TP 6	8.6e-6m/s in limestone with clay
TP 7	Test not possible due to site materials storage
TP 8	1.7e-5m/s in limestone
TP 9	Test not possible due to site materials storage
TP 10	1.9e-4m/s in shallow fragmented Cornbrash to 0.80m, 8.7e-7m/s in clay and limestone below
TP 11	No appreciable soakage below 1.00m in clay and limestone
TP 12	No appreciable soakage below 1.00m in clay and limestone
TP 13	No appreciable soakage below 1.00m in clay and limestone
TP 14	Test not possible due to site stockpile of soil
TP 15	Test not possible due to site stockpile of soil
TP 16	Test not possible due to site stockpile of soil

We trust that this letter and enclosures provide sufficient information although please do not hesitate to contact me should you have any queries or questions.

Yours sincerely
 Wilson Bailey Partnership

Dominic Brightman
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Encs