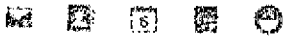


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Percolation test and groundwater monitoring E...

(10)

Thomas Callaway Dear Mr New The propos 24/11/15 at 3:59 PM

Dick New Ben - FYI Dick 24/11/15 at 4:08 PM

Dick New On Tuesday, 24 November 2015, 24/11/16 at 8:23 AM

Dick New On Wednesday, 18 November 20 24/11/16 at 8:23 AM

Dick New <dicknew@rocketmail.com> 01/12/16 at 7:18 PM

To: Thomas Callaway

CC: Richard.Temple@arun.gov.uk

Dear M<r Callaway

Further to your visit, our e mails, and my answerphone message the other day, I have now undertaken the percolation test.

1. A trench 2m x 1m x 1m deep was dug.
 2. 2 holes were excavated in the bottom of the trench, each 600mm x 300mm x 300mm deep
 3. The holes were rapidly filled with water and left.
 4. The following day the holes were again filled rapidly and the time taken for the water to completely soak away noted.
- Result - 18 mins.

Please see attached photos to provide evidence.

I trust this exercise has been conducted to your satisfaction and look forward to hearing your conclusions.

With thanks
Dick New

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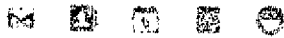
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Thomas Callaway Dear Mr New The propos 24/11/15 at 3:59 PM

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Dick New On Tuesday, 24 November 2015, 24/11/16 at 8:23 AM

Dick New On Wednesday, 18 November 20 24/11/16 at 8:23 AM

Dick New Dear Mr Callaway Further to you 01/12/16 at 7:18 PM

Thomas Callaway Dear Mr New Thanks for 02/12/16 at 2:52 PM

Dick New <dicknew@rocketmail.com> 02/12/16 at 4:10 PM

To: Thomas Callaway

Dear Mr Callaway

Thank you for your reply. The base material into which the water soaked was an extremely stoney 'hoggin' like material (eg. contained some clay like soil). I followed the letter of how to conduct the test exactly by filling the holes on day one and re-filling on day two. Interestingly, the water took over twice as long to soak away on day one as day two, contrary to what I would have supposed to be the case, but I believe it is the day two result that is supposed to be recorded and this was 18 mins for it to drain completely. On day one the time taken to drain completely was 40 mins.

Trust this helps.

 Regards
 Richard New

 Hide original message

On Friday, 2 December 2016, 14:52, Thomas Callaway

Dear Mr New

Thanks for providing the information on percolation testing. Using this information I have estimated an infiltration rate of 1×10^{-4} m/s. Did you find that you were getting into sand/gravel at this point as it is quite a good rate for the area? Were the holes completely draining in 18 minutes or half-draining in 18 minutes?

Regards

Tom Callaway

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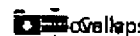


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Percolation test and groundwater monitoring E...

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Dick New On Wednesday, 18 November 2016 at 8:23 AM

Dick New Dear Mr Calloway Further to you 01/12/16 at 7:18 PM

Thomas Callaway Dear Mr New Thanks for you 02/12/16 at 2:52 PM

Dick New Dear Mr Calloway Thank you for you 02/12/16 at 4:10 PM

Thomas Callaway Dear Mr New it can be th 05/12/16 at 10:34 AM

Thomas Callaway <Thomas.Callaway@arun.gov.uk> 05/12/16 at 3:57 PM
To: 'Dick New'

Dear Mr New

It would appear that the sand school drainage should be okay to take the surface water drainage from the redeveloped barn, with the overflow coming into use in times of high groundwater. I would recommend extending a run of French drain towards the barn for it to connect to.

The details would need to be submitted in a discharge of condition application which would then be forwarded to me by the planners for me to check and approve. This should include the percolation test results and layout drawing with any necessary amendments.

Regards

Tom Callaway

Thomas Callaway | Drainage & Coastal Engineer, Engineering Services, [Arun District Council](#) |
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Thomas.Callaway@arun.gov.uk
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