



Consulting Civil Engineers

Ref: CS/C1214

Julian Hitchcock
Bognor Regis Gliding Club
LEC Airfield
Railside Retail Park
Shripney Road
Bognor Regis
West Sussex
PO22 9FL

28th May 2019

Re: Bognor Regis Gliding Club – Soakaway Testing – Infiltration Test Result Summary

Dear Julian

The following investigation was carried out at the above location in accordance with our quotation dated 10th May 2019.

1. Site Works

The purpose of the investigation was to supply soakaway test data in general accordance with BRE document 365 (Soakaway Design) at one location which would be the approximate intended location for possible infiltration devices to serve a new aviation hangar.

The appended drawing illustrates the position of the test pit. The BRE365 pit was excavated to a depth of 1m in line with the approximate depth of the proposed infiltration device.

The testing commenced at 09:30 with three tests being undertaken in accordance with BRE 365.

2. BRE 365 Soakaway Test Findings

Testing of the sub soils which was noted as sandy clay produced a BRE 365 design infiltration rate of **1.49x10⁻⁵m/s** at a depth of 1m. This rate was the slowest taken from all three tests. This is considered an average rate and generally suitable for most forms of infiltration devices.

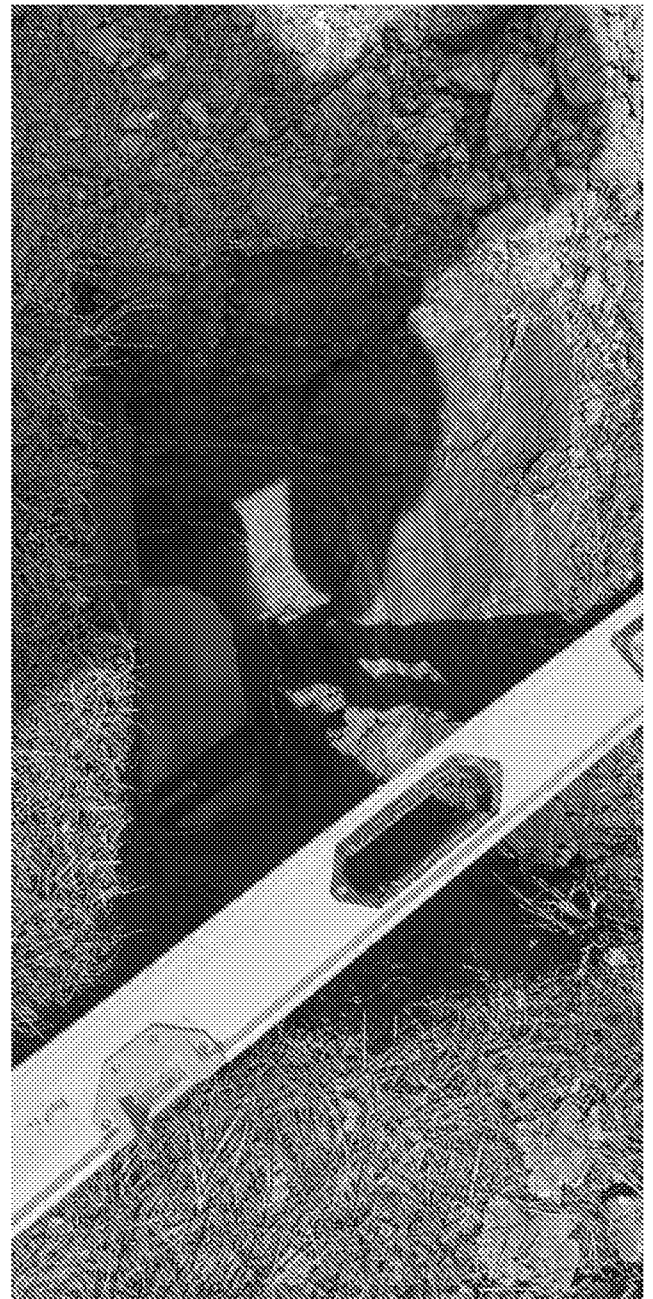
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3. BRE 365 Soakaway Test Results					
Test Pit No	Infiltration Rate (1-3 Tests)			Depth of Test	Soil Type
SAT1	$2.71 \times 10^{-5} \text{m/s}$	$2.30 \times 10^{-5} \text{m/s}$	$1.49 \times 10^{-5} \text{m/s}$	1m	Sandy clay

Appendix A – Soakaway Test Location Plan



Appendix B – Site Photographs







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Appendix C – Infiltration Calculator Results

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