

Hallson Construction – Kings Beach, Pagham
Drainage Test 10th Dec 2018

Introduction

Hallson were requested to carry out a drainage test as requested by Arun District Council as part of their drainage strategy.

Instructions were provided by their drainage consultant – Andy Johnson, Stilwell Partnership:

You should dig a hole around 500-600mm deep and approx. 300mm square. Dimensions don't need to be exact but they need to be measured (for calculation of volume)

Fill it up with water and stick a tape in to measure the water depth. Start the clock and record the water depth every 5 minutes until the pit is empty (should typically be under 2 hours). If its going really slow or not moving then you can make a judgement on when to stop. As long as we have a "steady" reading (same drop every 5 mins) then we will be able to complete the design.

The test was carried out by Tom Hall and Malcolm Horton of Hallson Construction at Kings Beach, Pagham, PO21 4UW at 09:47am on 10th December 2018. The ground was damp from rain the previous evening. It was not raining during the test.

Test description and results

A hole was dug using a shovel in the middle of the grassed area in the North West side of the site. The hole was 310mm x 330mm and 575mm deep. A tape was placed in the bottom of the hole and the bottom was secured using a golf tee. The tape was then pulled up the side of the trench tight to show the depth of the trench. The hole was then filled with water with the tape in place to a depth of 445mm. The stop watch was started once the last poured bucket had settled. The results are shown in the table below and evidence provided in the appendices.

Time (mins)	Depth measured (mm)	Difference since last measurement (mm)
0	445	-
5	370	75
10	315	55
15	265	50
20	220	45
25	185	35
30	150	35
35	130	20
40	110	20
45	90	20
50	75	15
55	55	20
60	30	25
65	10	20
67	0	-

Appendices



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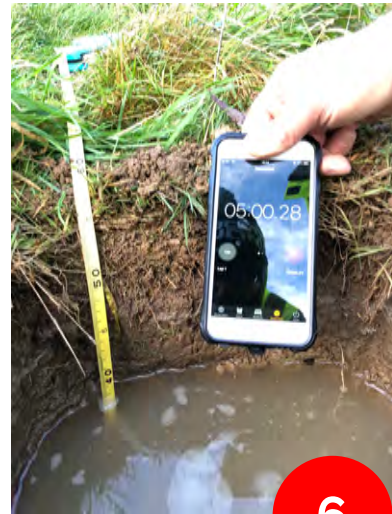
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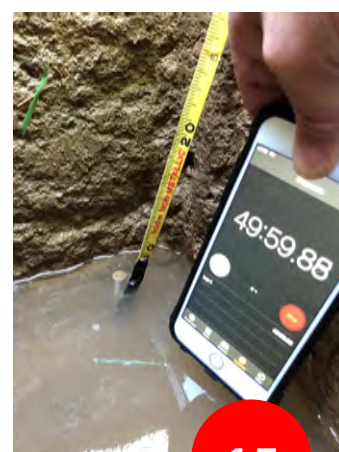
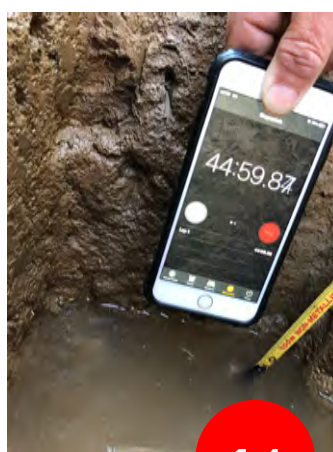
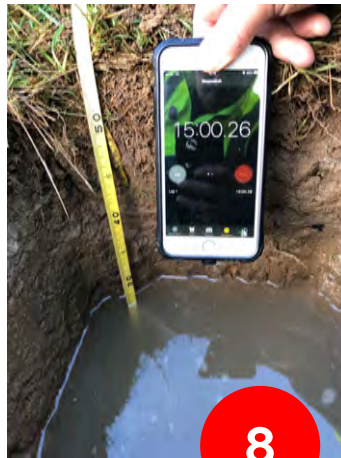
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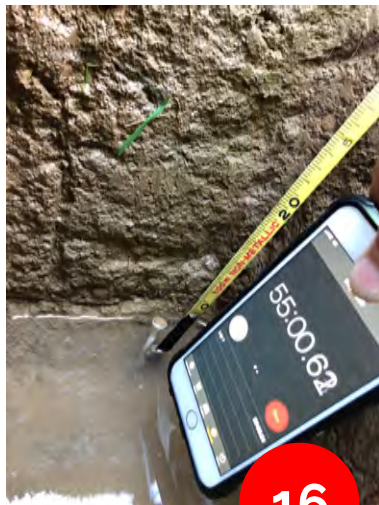


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