

SOAKAWAY TEST RESULTS

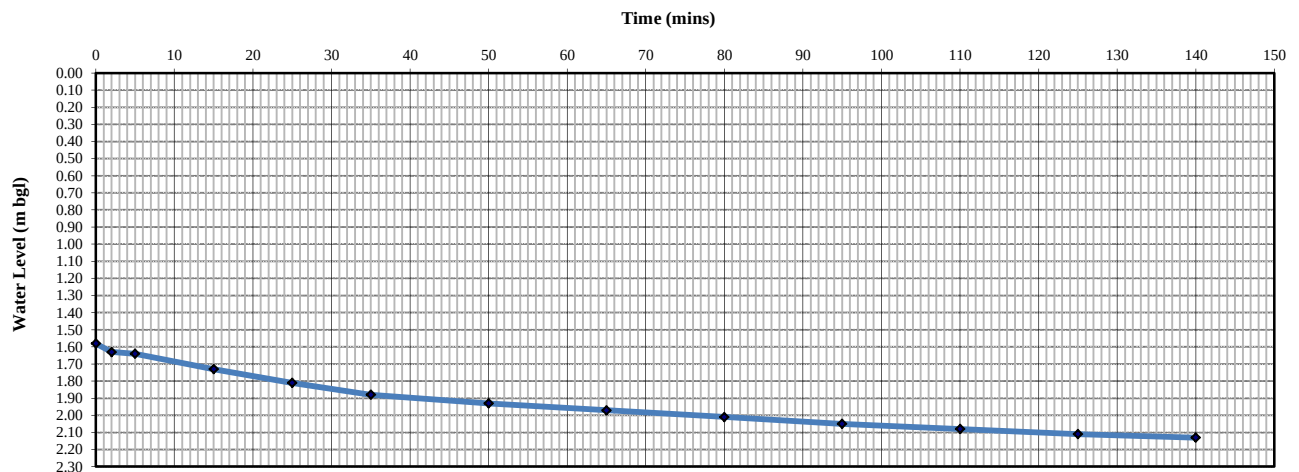
Date of Test: 17-04-19

Hole ID: SA1

Test No 1

Trial Pit Dimensions (m)	Length	Width	Depth	Depth for Analysis
	1.70	0.30	2.30	0.72

Time (mins)	Depth of water (m bgl)	Time (mins)	Depth of water (m bgl)	$V_{(p75-25)}$ = Effective storage volume in trial pit between effective depths 25% to 75%. = 0.18 m ³
0.0	1.580			
2.0	1.630			
5.0	1.640			
15.0	1.730			
25.0	1.810			$a_{(p50)}$ = Initial surface area of trial pit up to 50% effective depth and including the base area. = 1.95 m ²
35.0	1.880			
50.0	1.930			
65.0	1.970			
80.0	2.010			
95.0	2.050			$t_{(p75-25)}$ = Time for the water level to fall from 75 % to 25% effective depth. = 110 min
110.0	2.080			
125.0	2.110			
140.0	2.130			
				Soil infiltration rate = $\frac{V_{(p75-25)}}{t_{(p75-25)} \times a_{(p50)} \times 60}$
				Depth _(25%) = 2.12 Depth _(75%) = 1.760 m
				Soil infiltration rate = 1.4E-05 m/sec
				Remarks Dry Sand * Extrapolated soil infiltration rate



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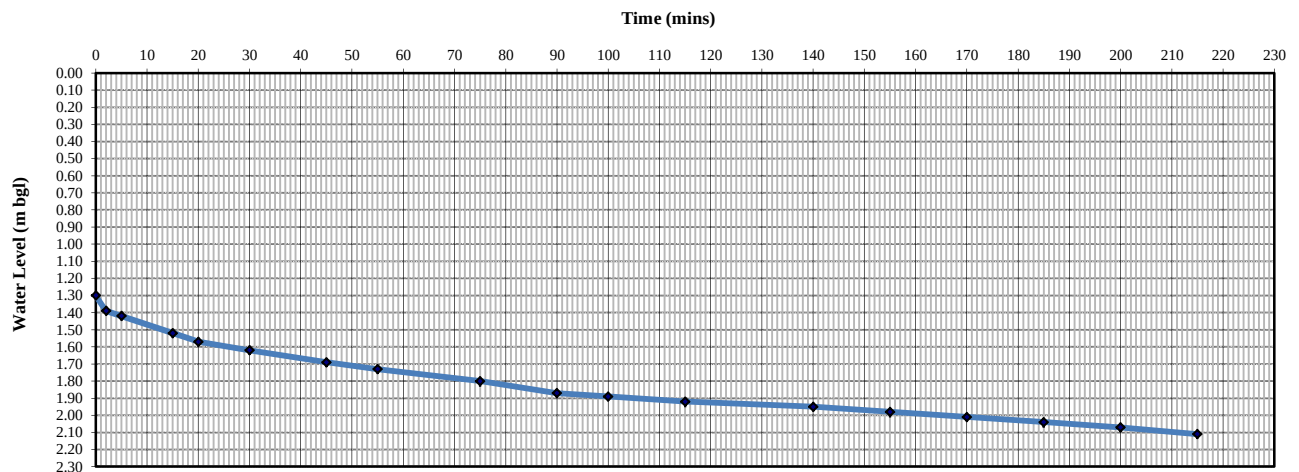
Date of Test: 17-04-19

Hole ID: SA1

Test No 2

Trial Pit Dimensions (m)	Length	Width	Depth	Depth for Analysis
	1.70	0.30	2.30	1.00

Time (mins)	Depth of water (m bgl)	Time (mins)	Depth of water (m bgl)	$V_{(p75-25)}$ = Effective storage volume in trial pit between effective depths 25% to 75%. = 0.26 m ³
0.0	1.300			
2.0	1.390			
5.0	1.420			
15.0	1.520			
20.0	1.570			$a_{(p50)}$ = Initial surface area of trial pit up to 50% effective depth and including the base area. = 2.51 m ²
30.0	1.620			
45.0	1.690			
55.0	1.730			
75.0	1.800			
90.0	1.870			$t_{(p75-25)}$ = Time for the water level to fall from 75 % to 25% effective depth. = 167 min
100.0	1.890			
115.0	1.920			
140.0	1.950			
155.0	1.980			
170.0	2.010			Soil infiltration rate = $\frac{V_{(p75-25)}}{t_{(p75-25)} \times a_{(p50)} \times 60}$
185.0	2.040			
200.0	2.070			
215.0	2.110			
				Depth _(25%) = 2.05 Depth _(75%) = 1.550 m
				Soil infiltration rate = 1.0E-05 m/sec
				Remarks
				Dry Sand
				* Extrapolated soil infiltration rate



SOAKAWAY TEST RESULTS

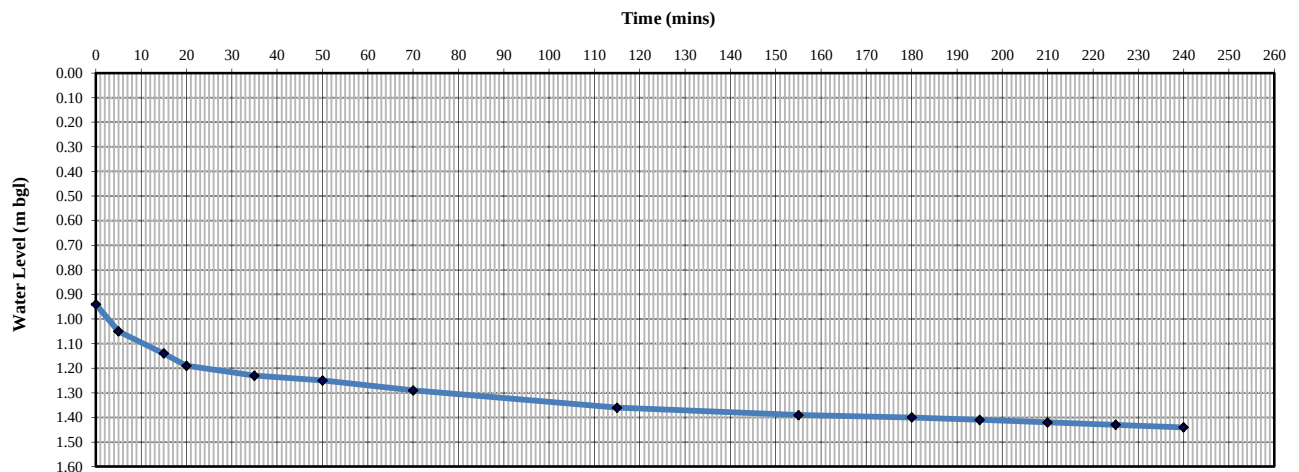
Date of Test: 17-04-19

Hole ID: SA2

Test No 1

Trial Pit Dimensions (m)	Length	Width	Depth	Depth for Analysis
	1.00	0.30	1.60	0.66

Time (mins)	Depth of water (m bgl)	Time (mins)	Depth of water (m bgl)	Effective storage volume in trial pit $V_{(p75-25)}$ = between effective depths 25% to 75%. = 0.10 m³	
0.0	0.940			Initial surface area of trial pit up to $a_{(p50)}$ = 50% effective depth and including the base area. = 1.16 m²	
5.0	1.050				
15.0	1.140				
20.0	1.190				
35.0	1.230				
50.0	1.250			Time for the water level to fall from $t_{(p75-25)}$ = 75 % to 25% effective depth. = 222 min	
70.0	1.290				
115.0	1.360				
155.0	1.390				
180.0	1.400				
195.0	1.410			Soil infiltration rate = $\frac{V_{(p75-25)}}{t_{(p75-25)} \times a_{(p50)} \times 60}$	
210.0	1.420				
225.0	1.430				
240.0	1.440				
				Depth _(25%) = 1.435	Depth _(75%) = 1.105 m
				Soil infiltration rate = 6.4E-06 m/sec	
				Remarks Damp Sand * Extrapolated soil infiltration rate	



SOAKAWAY TEST RESULTS

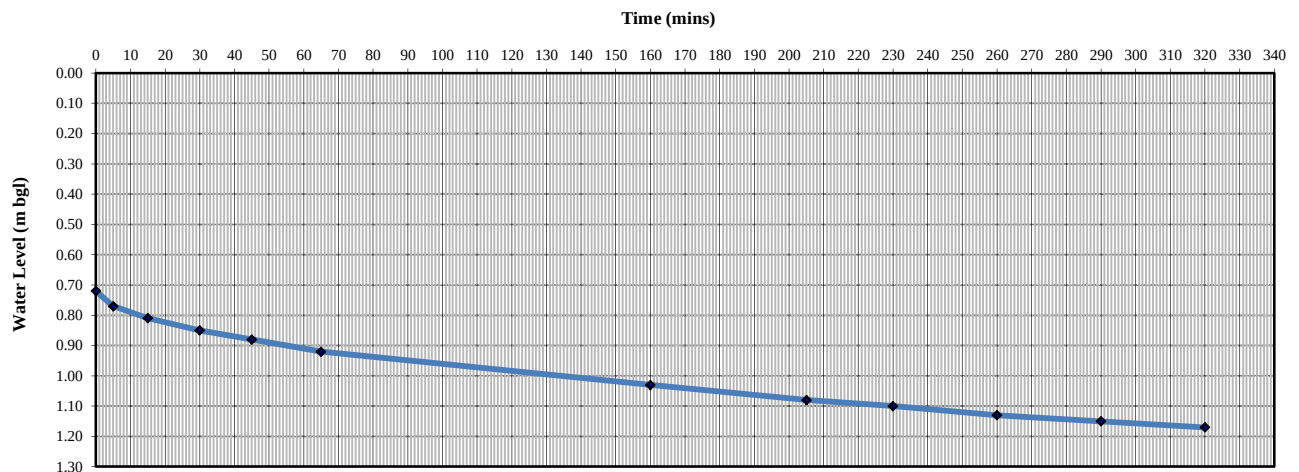
Date of Test: 17-04-19

Hole ID: SA3

Test No 1

Trial Pit Dimensions (m)	Length	Width	Depth	Depth for Analysis
	0.90	0.30	1.30	0.58

Time (mins)	Depth of water (m bgl)	Time (mins)	Depth of water (m bgl)	$V_{(p75-25)}$ = Effective storage volume in trial pit between effective depths 25% to 75%. = 0.08 m ³
0.0	0.720			
5.0	0.770			
15.0	0.810			
30.0	0.850			
45.0	0.880			$a_{(p50)}$ = Initial surface area of trial pit up to 50% effective depth and including the base area. = 0.97 m ²
65.0	0.920			
160.0	1.030			
205.0	1.080			
230.0	1.100			
260.0	1.130			$t_{(p75-25)}$ = Time for the water level to fall from 75 % to 25% effective depth. = 263 min
290.0	1.150			
320.0	1.170			
				Soil infiltration rate = $\frac{V_{(p75-25)}}{t_{(p75-25)} \times a_{(p50)} \times 60}$
				Depth _(25%) = 1.155 Depth _(75%) = 0.865 m
				Soil infiltration rate = 5.1E-06 m/sec
				Remarks
				Damp Sand
				* Extrapolated soil infiltration rate



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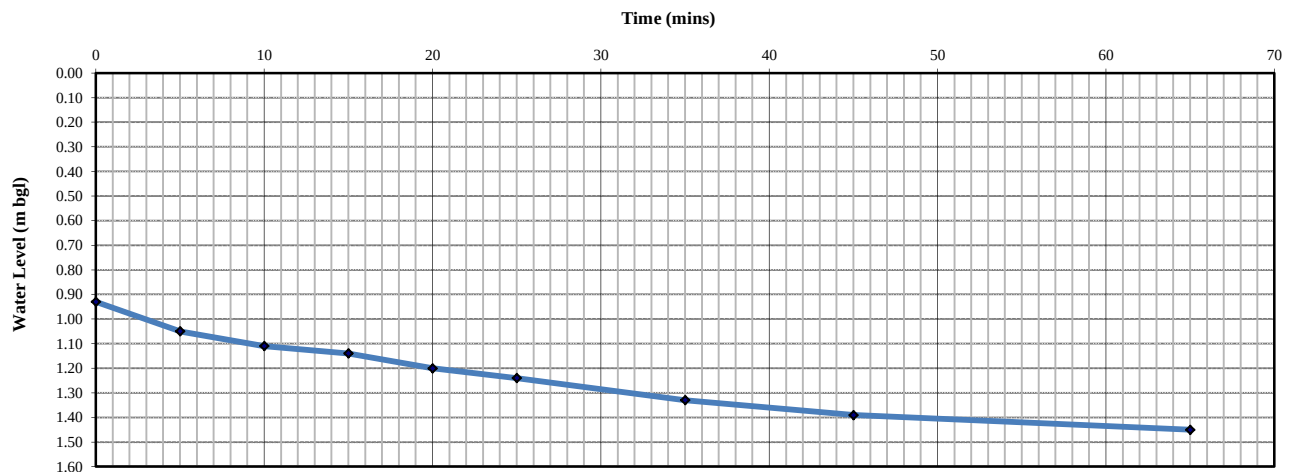
Date of Test: 17-04-19

Hole ID: SA4

Test No 1

Trial Pit Dimensions (m)	Length	Width	Depth	Depth for Analysis
	1.80	0.30	1.55	0.62

Time (mins)	Depth of water (m bgl)	Time (mins)	Depth of water (m bgl)	$V_{(p75-25)}$ = Effective storage volume in trial pit between effective depths 25% to 75%. = 0.17 m ³
0.0	0.930			
5.0	1.050			
10.0	1.110			
15.0	1.140			$a_{(p50)}$ = Initial surface area of trial pit up to 50% effective depth and including the base area. = 1.84 m ²
20.0	1.200			
25.0	1.240			
35.0	1.330			
45.0	1.390			$t_{(p75-25)}$ = Time for the water level to fall from 75 % to 25% effective depth. = 41 min
65.0	1.450			
				Soil infiltration rate = $\frac{V_{(p75-25)}}{t_{(p75-25)} \times a_{(p50)} \times 60}$
				Depth _(25%) = 1.395 Depth _(75%) = 1.085 m
				Soil infiltration rate = 3.7E-05 m/sec
				Remarks
				Dry Sand
				* Extrapolated soil infiltration rate



SOAKAWAY TEST RESULTS

Date of Test: 17-04-19

Hole ID: SA4

Test No 2

Trial Pit Dimensions (m)	Length	Width	Depth	Depth for Analysis
	1.80	0.30	1.55	0.67

Time (mins)	Depth of water (m bgl)	Time (mins)	Depth of water (m bgl)	$V_{(p75-25)}$ = Effective storage volume in trial pit between effective depths 25% to 75%. = 0.18 m ³
0.0	0.880			
5.0	0.930			
10.0	0.980			
20.0	1.020			
25.0	1.060			$a_{(p50)}$ = Initial surface area of trial pit up to 50% effective depth and including the base area. = 1.95 m ²
40.0	1.100			
55.0	1.160			
65.0	1.200			
80.0	1.250			
100.0	1.300			$t_{(p75-25)}$ = Time for the water level to fall from 75 % to 25% effective depth. = 109 min
115.0	1.340			
130.0	1.380			
145.0	1.410			
				Soil infiltration rate = $\frac{V_{(p75-25)}}{t_{(p75-25)} \times a_{(p50)} \times 60}$
				Depth _(25%) = 1.3825 Depth _(75%) = 1.048 m
				Soil infiltration rate = 1.4E-05 m/sec
				Remarks Dry Sand * Extrapolated soil infiltration rate

