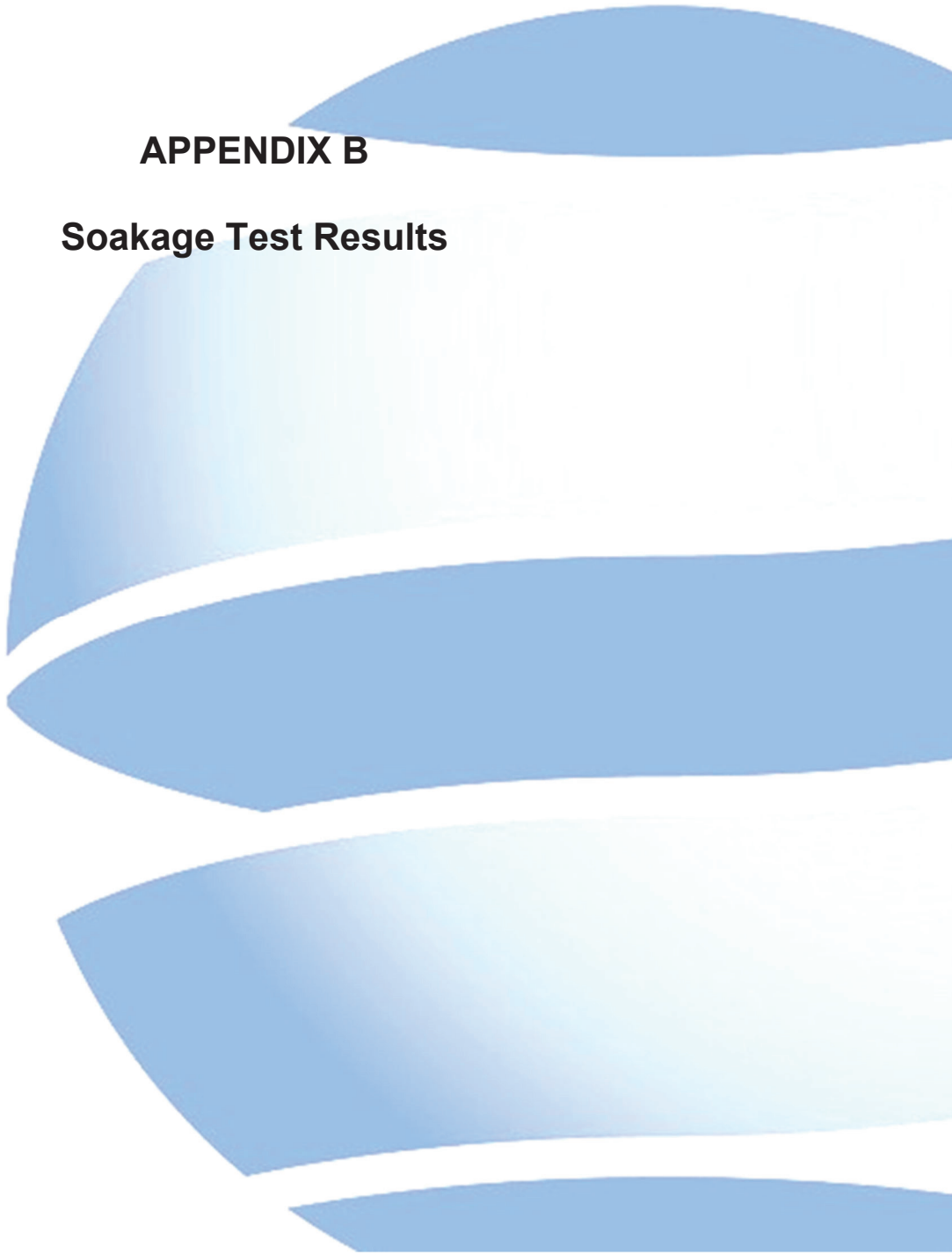


The background of the page features a series of overlapping, wavy blue shapes that create a sense of movement and depth. These shapes are in various shades of blue, ranging from a light, airy blue to a more solid, medium blue. They are positioned primarily on the right side of the page, with some extending towards the center.

APPENDIX B

Soakage Test Results

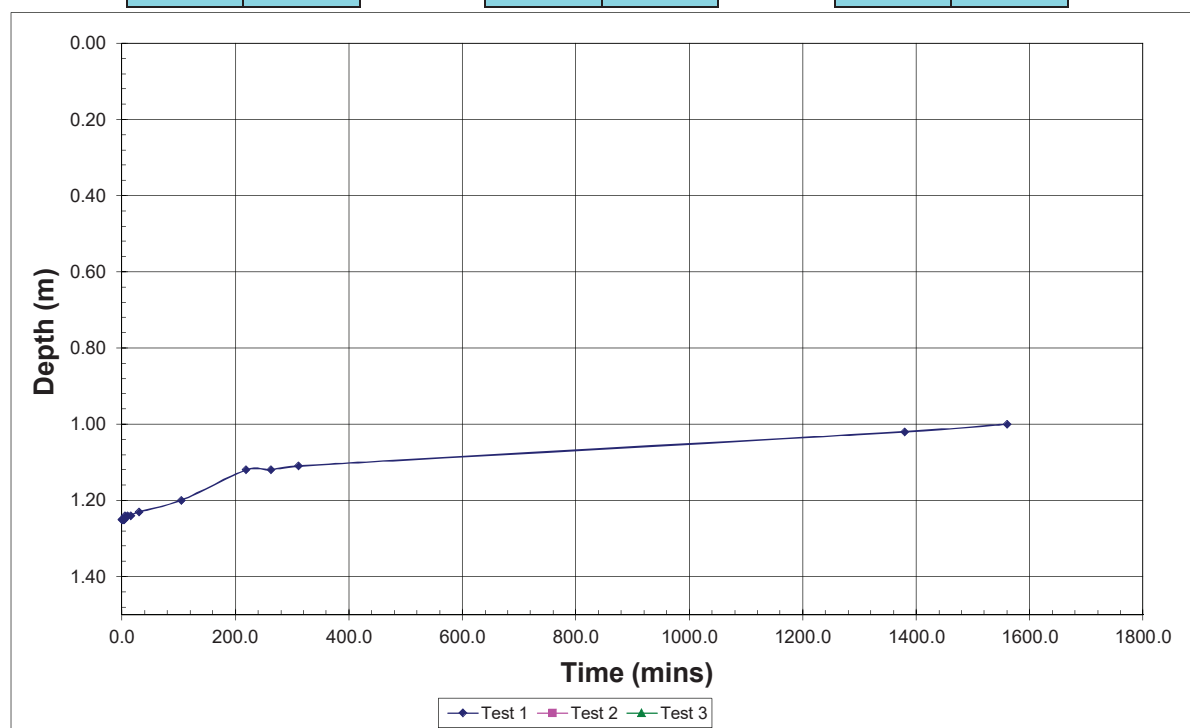
 Geo-Environmental	Soakaway Test Results (after BRE Digest 365)	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net
Project Name : Summer Lane, Pagham, Bongor Regis, PO21 4NQ		Job No. : GE17671
Client : Drew Smith Limited		Date : 14-16/01/2019

Pit reference	TP01
Pit depth (m)	1.50
Pit width (m)	0.55
Pit length (m)	2.40
Depth to standing water (m)	1.49

Test 1	
Time (min)	Depth (m)
0.0	1.25
1.0	1.25
2.0	1.25
3.0	1.25
4.0	1.25
5.0	1.24
10.0	1.24
15.0	1.24
30.0	1.23
104.0	1.20
219.0	1.12
263.0	1.12
311.0	1.11
1380.0	1.02
1560.0	1.00

Test 2	
Time (min)	Depth (m)

Test 3	
Time (min)	Depth (m)



Max. depth (m)	1.50	1.50	1.50
Effective depth (m)	0.25	1.50	1.50
75% effective depth (m)	1.31	0.38	0.38
50% effective depth (m)	1.38	0.75	0.75
25% effective depth (m)	1.44	1.13	1.13
t75 (min)			
t50 (min)			
t25 (min)			
Vp 75-25	0.17	0.99	0.99
ap 50	2.0575	5.745	5.745
tp 75-25	0.00	0.00	0.00

Soil infiltration rate (m/s)	Insufficient fall in water to complete test
Soil infiltration rate (mm/hr)	Insufficient fall in water to complete test

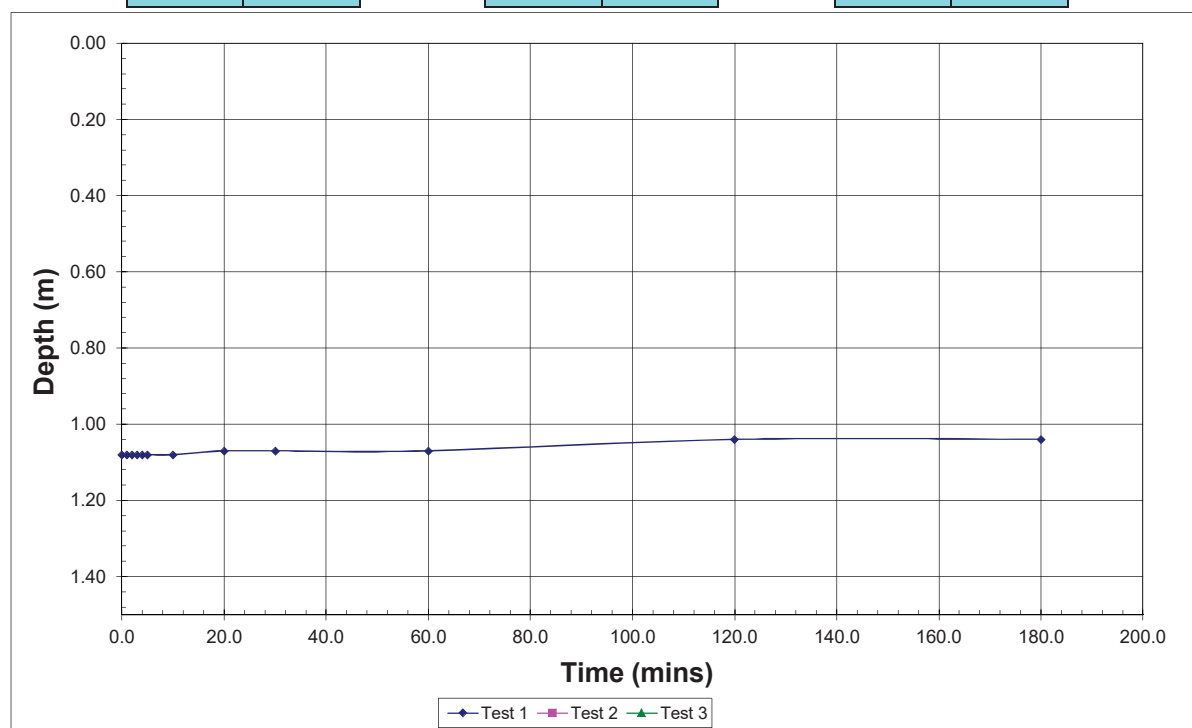
 Geo-Environmental	Soakaway Test Results (after BRE Digest 365)	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net
Project Name : Summer Lane, Pagham, Bongor Regis, PO21 4NQ		Job No. : GE17671
Client : Drew Smith Limited		Date : 14-16/01/2019

Pit reference	TP02
Pit depth (m)	1.50
Pit width (m)	0.55
Pit length (m)	2.30
Depth to standing water (m)	

Test 1	
Time (min)	Depth (m)
0.0	1.08
1.0	1.08
2.0	1.08
3.0	1.08
4.0	1.08
5.0	1.08
10.0	1.08
20.0	1.07
30.0	1.07
60.0	1.07
120.0	1.04
180.0	1.04

Test 2	
Time (min)	Depth (m)

Test 3	
Time (min)	Depth (m)



Max. depth (m)	1.50	1.50	1.50
Effective depth (m)	0.42	1.50	1.50
75% effective depth (m)	1.19	0.38	0.38
50% effective depth (m)	1.29	0.75	0.75
25% effective depth (m)	1.40	1.13	1.13
t75 (min)			
t50 (min)			
t25 (min)			
Vp 75-25	0.27	0.95	0.95
ap 50	2.462	5.54	5.54
tp 75-25	0.00	0.00	0.00

Soil infiltration rate (m/s)	Insufficient fall in water to complete test
Soil infiltration rate (mm/hr)	Insufficient fall in water to complete test



Soakaway Test Results (after BRE Digest 365)

Geo-Environmental Services Limited
Unit 7 Danworth Farm, Cuckfield Road,
Hurstpierpoint, West Sussex BN6 9GL
+44(0)1273 832972 www.gesl.net

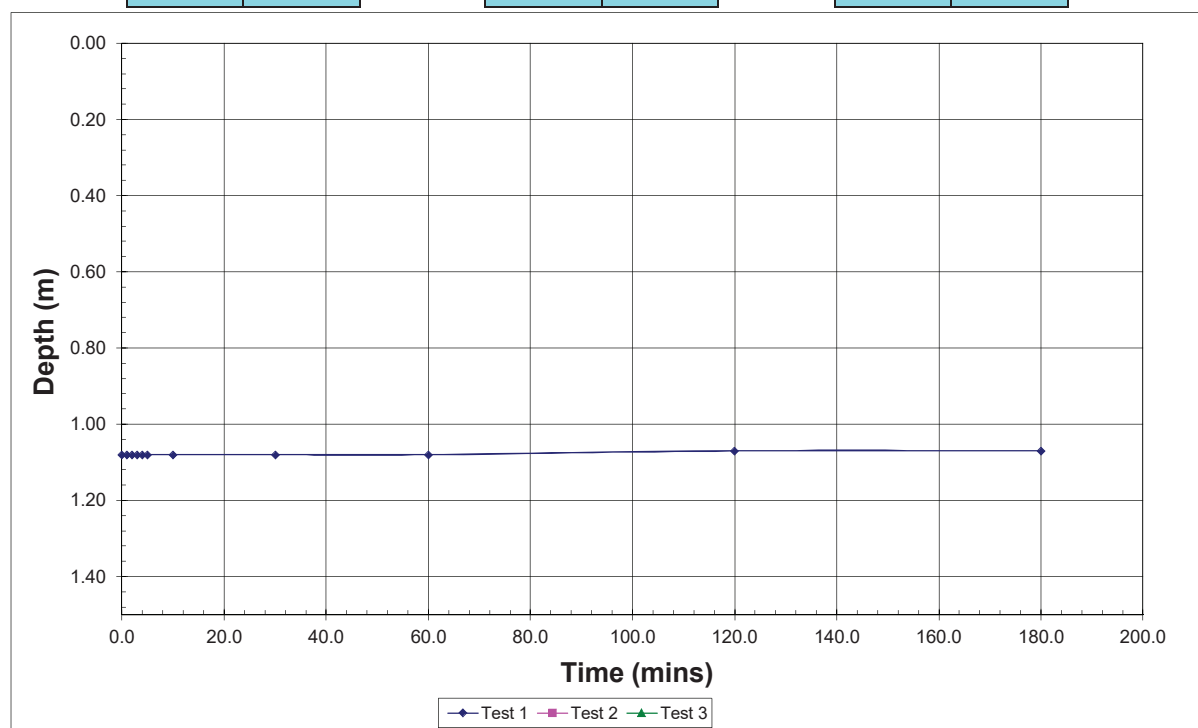
Project Name : Summer Lane, Pagham, Bongor Regis, PO21 4NQ

Job No. : GE17671

Client : Drew Smith Limited

Date : 14-16/01/2019

Pit reference	TP05
Pit depth (m)	1.52
Pit width (m)	0.55
Pit length (m)	1.80
Depth to standing water (m)	1.40

[illegible][illegible][illegible]

Max. depth (m)	1.52	1.52	1.52
Effective depth (m)	0.44	1.52	1.52
75% effective depth (m)	1.19	0.38	0.38
50% effective depth (m)	1.30	0.76	0.76
25% effective depth (m)	1.41	1.14	1.14
t75 (min)			
t50 (min)			
t25 (min)			
Vp 75-25	0.22	0.75	0.75
ap 50	2.024	4.562	4.562
tp 75-25	0.00	0.00	0.00

Soil infiltration rate (m/s)	Insufficient fall in water to complete test
Soil infiltration rate (mm/hr)	Insufficient fall in water to complete test

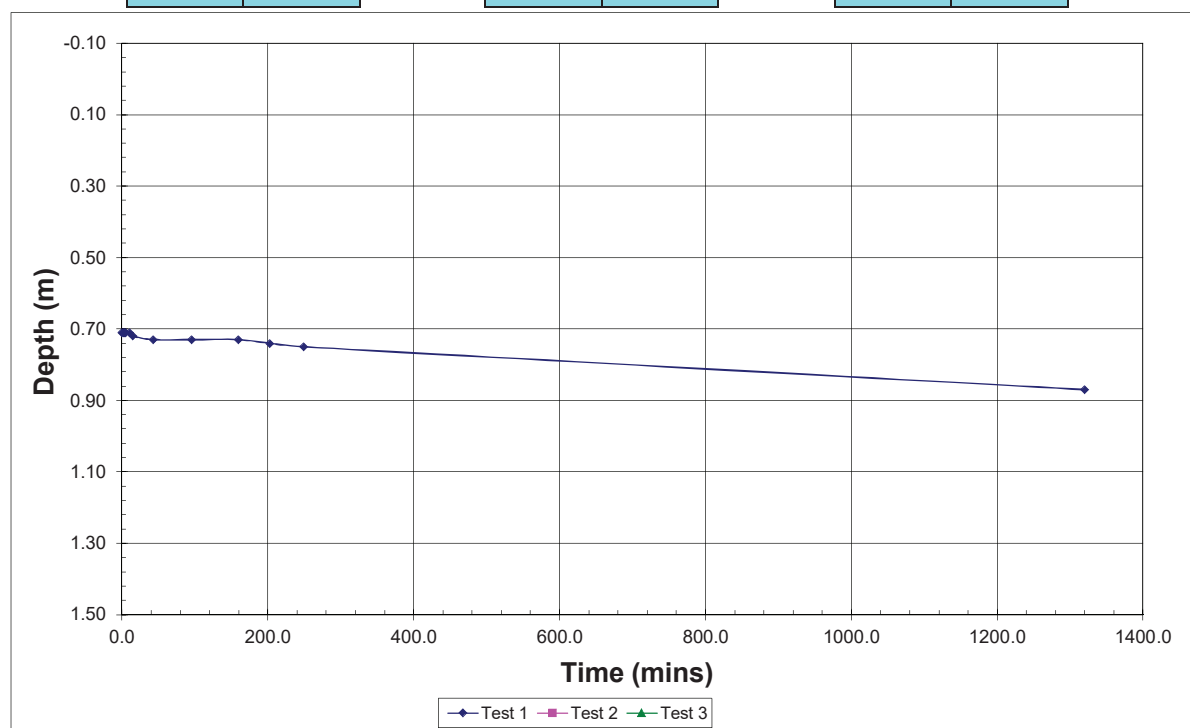
 Geo-Environmental	Soakaway Test Results (after BRE Digest 365)	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net
Project Name : Summer Lane, Pagham, Bongor Regis, PO21 4NQ		Job No. : GE17671
Client : Drew Smith Limited		Date : 14-16/01/2019

Pit reference	TP07
Pit depth (m)	1.42
Pit width (m)	0.55
Pit length (m)	2.00
Depth to standing water (m)	1.38

Test 1	
Time (min)	Depth (m)
0.0	0.71
1.0	0.71
2.0	0.71
3.0	0.71
4.0	0.71
5.0	0.71
10.0	0.71
15.0	0.72
43.0	0.73
95.0	0.73
159.0	0.73
202.0	0.74
249.0	0.75
1320.0	0.87

Test 2	
Time (min)	Depth (m)

Test 3	
Time (min)	Depth (m)



Max. depth (m)	1.42	1.42	1.42
Effective depth (m)	0.71	1.42	1.42
75% effective depth (m)	0.89	0.36	0.36
50% effective depth (m)	1.07	0.71	0.71
25% effective depth (m)	1.24	1.07	1.07
t75 (min)			
t50 (min)			
t25 (min)			
Vp 75-25	0.39	0.78	0.78
ap 50	2.9105	4.721	4.721
tp 75-25	0.00	0.00	0.00

Soil infiltration rate (m/s)	Insufficient fall in water to complete test
Soil infiltration rate (mm/hr)	Insufficient fall in water to complete test

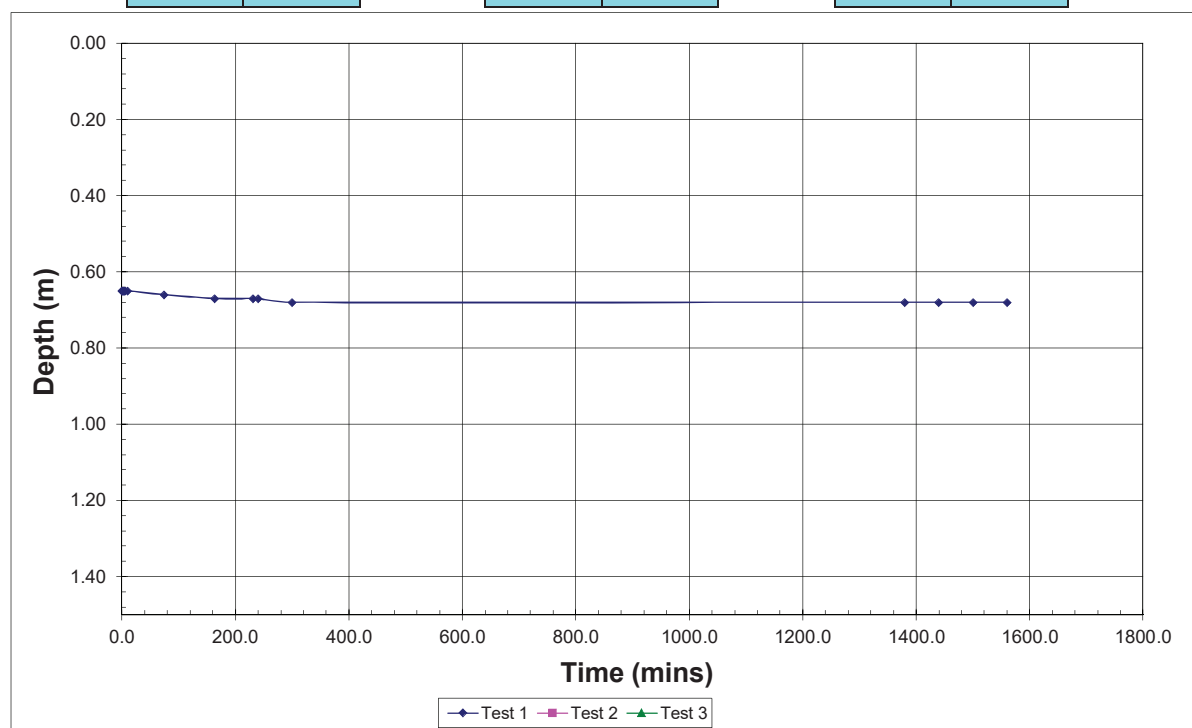
 Geo-Environmental	Soakaway Test Results (after BRE Digest 365)	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net
Project Name : Summer Lane, Pagham, Bongor Regis, PO21 4NQ		Job No. : GE17671
Client : Drew Smith Limited		Date : 14-16/01/2019

Pit reference	TP08
Pit depth (m)	1.40
Pit width (m)	0.55
Pit length (m)	2.00
Depth to standing water (m)	1.33

Test 1	
Time (min)	Depth (m)
0.0	0.65
1.0	0.65
2.0	0.65
3.0	0.65
4.0	0.65
5.0	0.65
10.0	0.65
74.0	0.66
163.0	0.67
231.0	0.67
240.0	0.67
300.0	0.68
1380.0	0.68
1440.0	0.68
1500.0	0.68
1560.0	0.68

Test 2	
Time (min)	Depth (m)

Test 3	
Time (min)	Depth (m)



Max. depth (m)	1.40	1.40	1.40
Effective depth (m)	0.75	1.40	1.40
75% effective depth (m)	0.84	0.35	0.35
50% effective depth (m)	1.03	0.70	0.70
25% effective depth (m)	1.21	1.05	1.05
t75 (min)			
t50 (min)			
t25 (min)			
Vp 75-25	0.41	0.77	0.77
ap 50	3.0125	4.67	4.67
tp 75-25	0.00	0.00	0.00

Soil infiltration rate (m/s)	Insufficient fall in water to complete test
Soil infiltration rate (mm/hr)	Insufficient fall in water to complete test

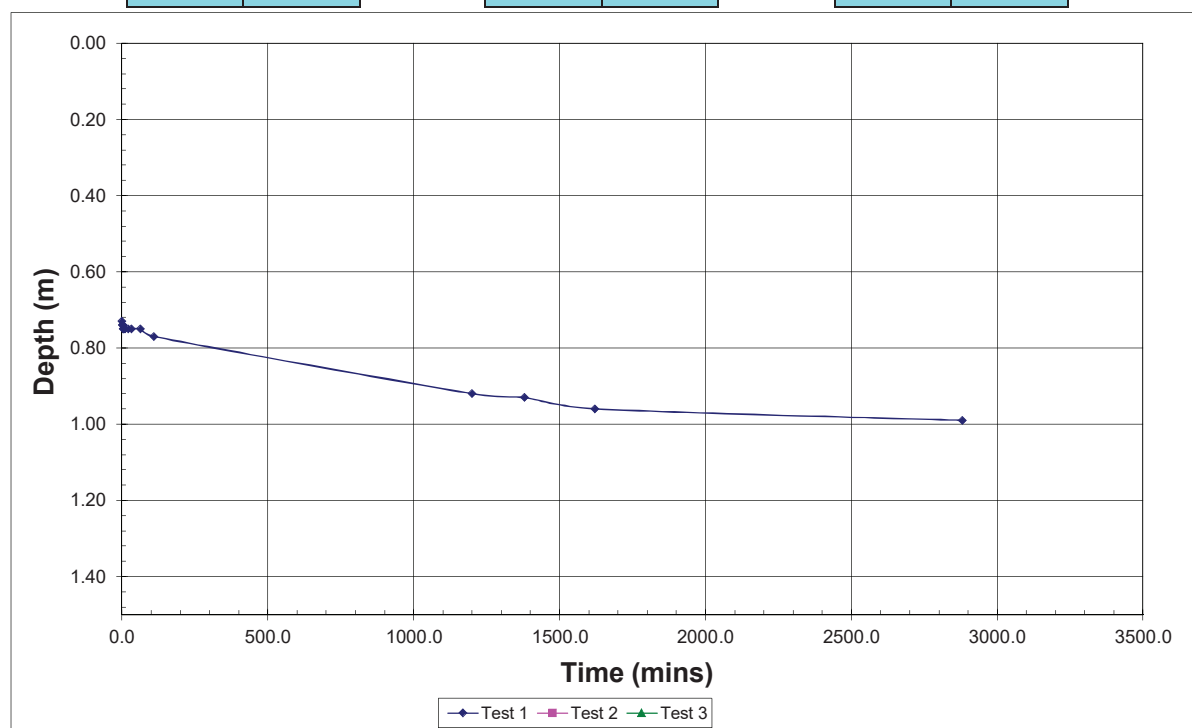
 Geo-Environmental	Soakaway Test Results (after BRE Digest 365)	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net
Project Name : Summer Lane, Pagham, Bongor Regis, PO21 4NQ		Job No. : GE17671
Client : Drew Smith Limited		Date : 14-16/01/2019

Pit reference	TP11
Pit depth (m)	1.50
Pit width (m)	0.55
Pit length (m)	2.00
Depth to standing water (m)	1.45

Test 1	
Time (min)	Depth (m)
0.0	0.73
1.0	0.74
2.0	0.74
3.0	0.74
4.0	0.75
5.0	0.75
10.0	0.75
20.0	0.75
33.0	0.75
62.0	0.75
108.0	0.77
1200.0	0.92
1380.0	0.93
1620.0	0.96
2880.0	0.99

Test 2	
Time (min)	Depth (m)

Test 3	
Time (min)	Depth (m)



Max. depth (m)	1.50	1.50	1.50
Effective depth (m)	0.77	1.50	1.50
75% effective depth (m)	0.92	0.38	0.38
50% effective depth (m)	1.12	0.75	0.75
25% effective depth (m)	1.31	1.13	1.13
t75 (min)			
t50 (min)			
t25 (min)			
Vp 75-25	0.42	0.83	0.83
ap 50	3.0635	4.925	4.925
tp 75-25	0.00	0.00	0.00

Soil infiltration rate (m/s)	Insufficient fall in water to complete test
Soil infiltration rate (mm/hr)	Insufficient fall in water to complete test

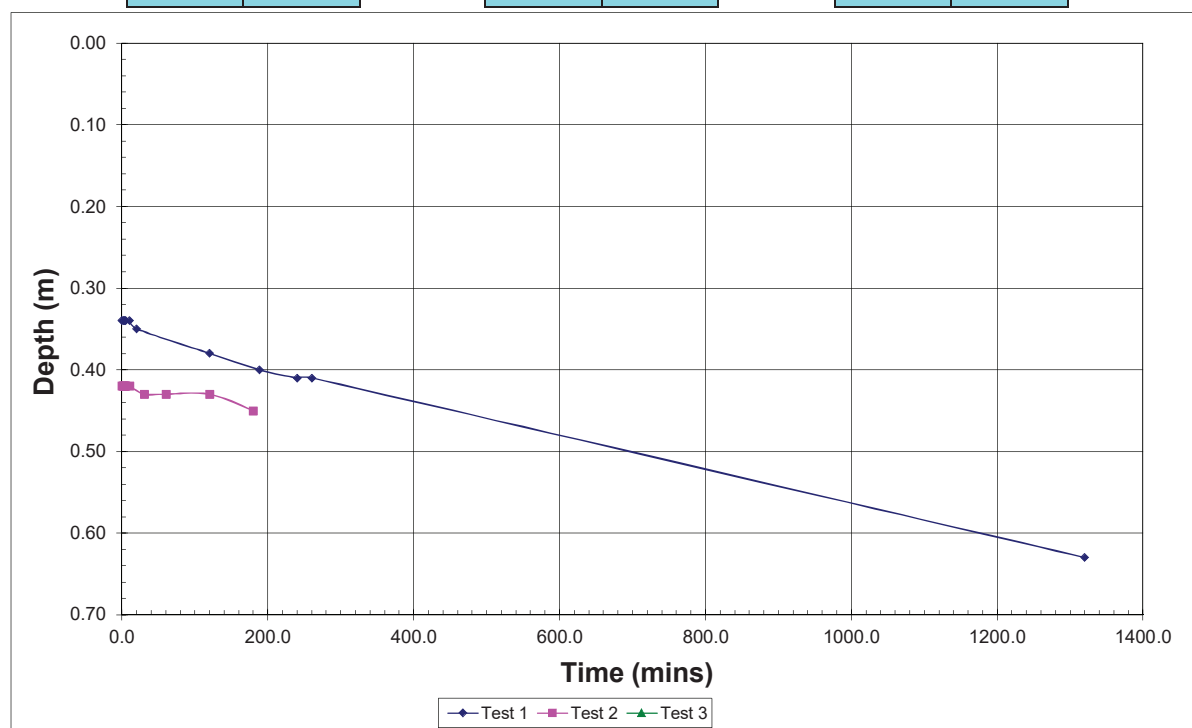
 Geo-Environmental	Soakaway Test Results (after BRE Digest 365)	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net
Project Name : Summer Lane, Pagham, Bongor Regis, PO21 4NQ		Job No. : GE17671
Client : Drew Smith Limited		Date : 14-16/01/2019

Pit reference	TP12
Pit depth (m)	0.63
Pit width (m)	0.55
Pit length (m)	1.30
Depth to standing water (m)	

Test 1	
Time (min)	Depth (m)
0.0	0.34
1.0	0.34
2.0	0.34
3.0	0.34
4.0	0.34
5.0	0.34
10.0	0.34
20.0	0.35
120.0	0.38
188.0	0.40
240.0	0.41
260.0	0.41
1320.0	0.63

Test 2	
Time (min)	Depth (m)
0.0	0.42
1.0	0.42
2.0	0.42
3.0	0.42
4.0	0.42
5.0	0.42
10.0	0.42
30.0	0.43
60.0	0.43
120.0	0.43
180.0	0.45

Test 3	
Time (min)	Depth (m)



Max. depth (m)	0.63	0.63	0.63
Effective depth (m)	0.29	0.21	0.63
75% effective depth (m)	0.41	0.47	0.16
50% effective depth (m)	0.49	0.53	0.32
25% effective depth (m)	0.56	0.58	0.47
t75 (min)	260.00		
t50 (min)	640.00		
t25 (min)	980.00		
Vp 75-25	0.10	0.08	0.23
ap 50	1.2515	1.1035	1.8805
tp 75-25	720.00	0.00	0.00

Soil infiltration rate (m/s)	1.9E-06		
Soil infiltration rate (mm/hr)	6.90E+00		

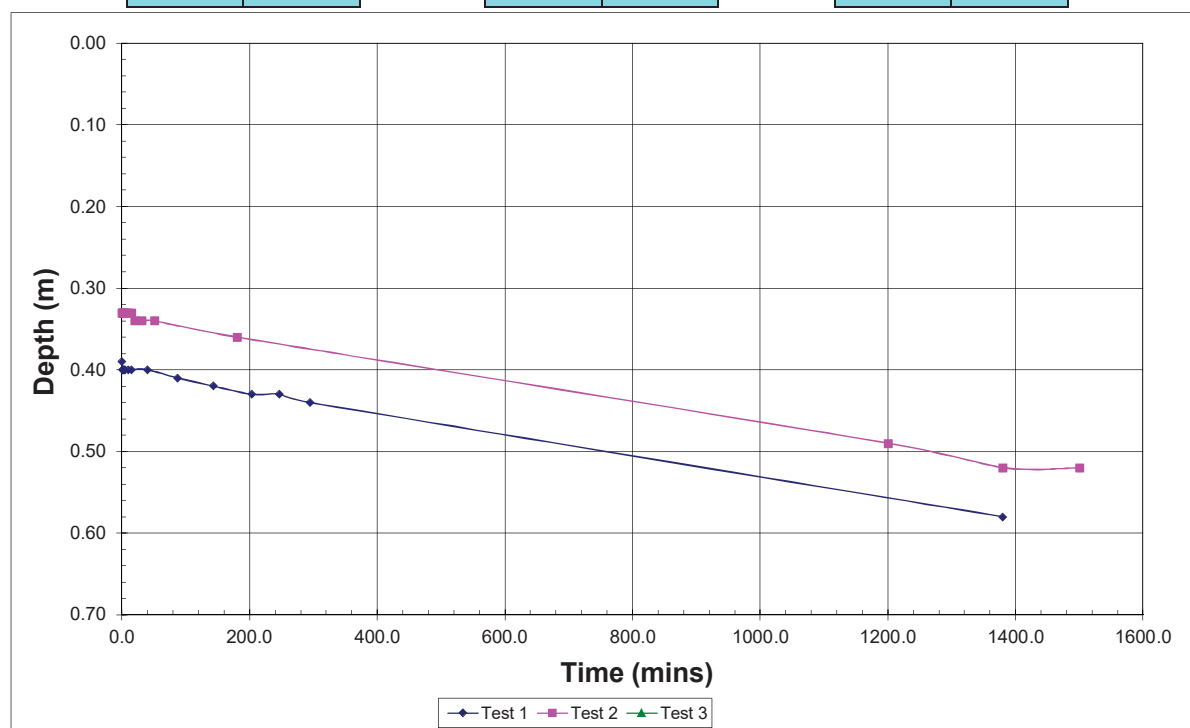
 Geo-Environmental	Soakaway Test Results (after BRE Digest 365)	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesi.net
Project Name : Summer Lane, Pagham, Bongor Regis, PO21 4NQ		Job No. : GE17671
Client : Drew Smith Limited		Date : 14-16/01/2019

Pit reference	TP13
Pit depth (m)	0.70
Pit width (m)	0.55
Pit length (m)	2.00
Depth to standing water (m)	

Test 1	
Time (min)	Depth (m)
0.0	0.39
1.0	0.40
2.0	0.40
3.0	0.40
4.0	0.40
5.0	0.40
10.0	0.40
15.0	0.40
40.0	0.40
87.0	0.41
143.0	0.42
203.0	0.43
246.0	0.43
294.0	0.44
1380.0	0.58

Test 2	
Time (min)	Depth (m)
0.0	0.33
1.0	0.33
2.0	0.33
3.0	0.33
4.0	0.33
5.0	0.33
10.0	0.33
15.0	0.33
20.0	0.34
31.0	0.34
51.0	0.34
180.0	0.36
1200.0	0.49
1380.0	0.52
1500.0	0.52

Test 3	
Time (min)	Depth (m)



Max. depth (m)	0.70	0.70	0.70
Effective depth (m)	0.31	0.37	0.70
75% effective depth (m)	0.47	0.42	0.18
50% effective depth (m)	0.55	0.52	0.35
25% effective depth (m)	0.62	0.61	0.53
t75 (min)			
t50 (min)			
t25 (min)			
Vp 75-25	0.17	0.20	0.39
ap 50	1.8905	2.0435	2.885
tp 75-25	0.00	0.00	0.00

Soil infiltration rate (m/s)	Insufficient fall in water to complete test
Soil infiltration rate (mm/hr)	Insufficient fall in water to complete test

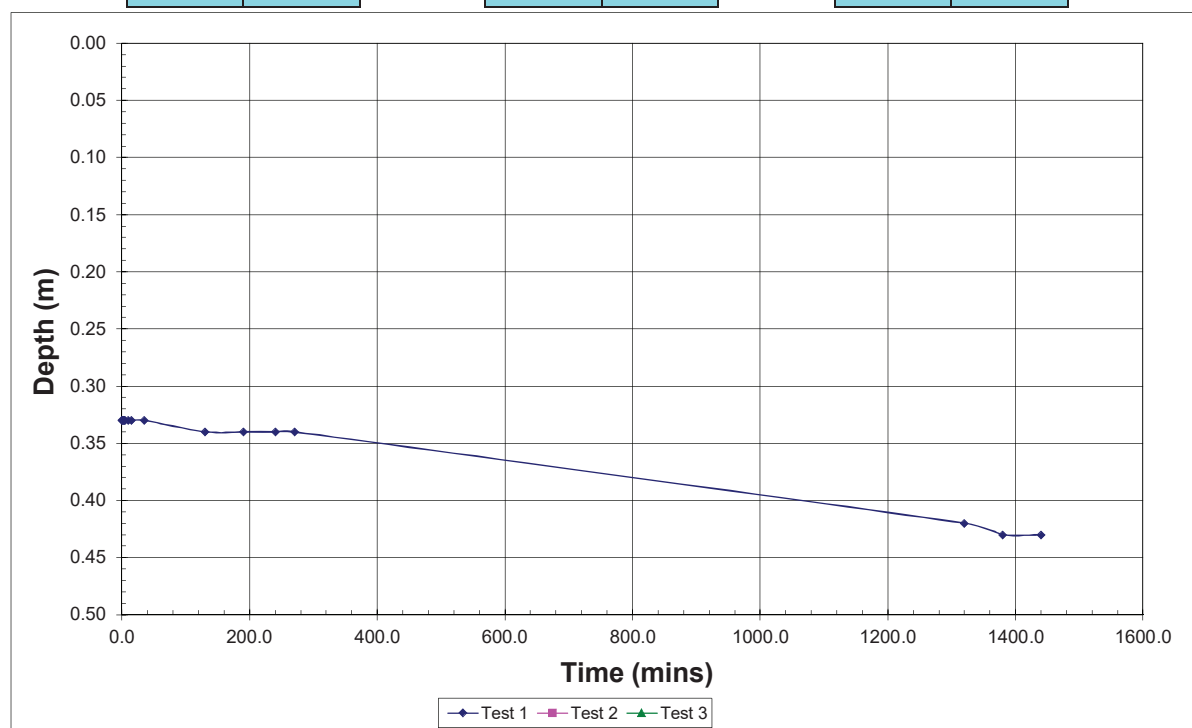
 Geo-Environmental	Soakaway Test Results (after BRE Digest 365)	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net
Project Name : Summer Lane, Pagham, Bongor Regis, PO21 4NQ		Job No. : GE17671
Client : Drew Smith Limited		Date : 14-16/01/2019

Pit reference	TP14
Pit depth (m)	0.60
Pit width (m)	0.55
Pit length (m)	1.40
Depth to standing water (m)	

Test 1	
Time (min)	Depth (m)
0.0	0.33
1.0	0.33
2.0	0.33
3.0	0.33
4.0	0.33
5.0	0.33
10.0	0.33
15.0	0.33
35.0	0.33
130.0	0.34
190.0	0.34
240.0	0.34
270.0	0.34
1320.0	0.42
1380.0	0.43
1440.0	0.43

Test 2	
Time (min)	Depth (m)

Test 3	
Time (min)	Depth (m)



Max. depth (m)	0.60	0.60	0.60
Effective depth (m)	0.27	0.60	0.60
75% effective depth (m)	0.40	0.15	0.15
50% effective depth (m)	0.47	0.30	0.30
25% effective depth (m)	0.53	0.45	0.45
t75 (min)			
t50 (min)			
t25 (min)			
Vp 75-25	0.10	0.23	0.23
ap 50	1.2965	1.94	1.94
tp 75-25	0.00	0.00	0.00

Soil infiltration rate (m/s)	Insufficient fall in water to complete test
Soil infiltration rate (mm/hr)	Insufficient fall in water to complete test



Soakaway Test Results (after BRE Digest 365)

Geo-Environmental Services Limited
Unit 7 Danworth Farm, Cuckfield Road,
Hurstpierpoint, West Sussex BN6 9GL
+44(0)1273 832972 www.gesl.net

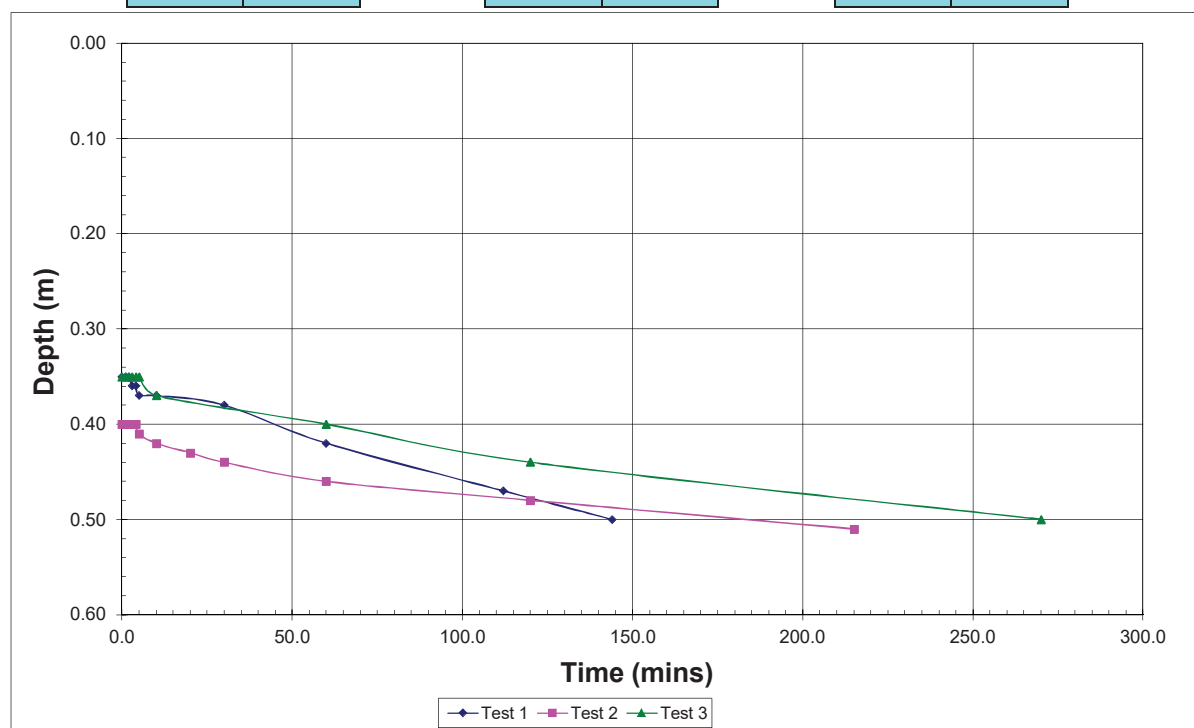
Project Name : Summer Lane, Paqham, Bongor Regis, PO21 4NQ

Job No. : GE17671

Client : Drew Smith Limited

Date : 14-16/01/2019

Pit reference	TP15
Pit depth (m)	0.55
Pit width (m)	0.55
Pit length (m)	1.40
Depth to standing water (m)	

[illegible][illegible][illegible]

Max. depth (m)	0.55	0.55	0.55
Effective depth (m)	0.20	0.15	0.20
75% effective depth (m)	0.40	0.44	0.40
50% effective depth (m)	0.45	0.48	0.45
25% effective depth (m)	0.50	0.51	0.50
t75 (min)	44.00	30.00	60
t50 (min)	90.00	120.00	145.00
t25 (min)	144.00	215.00	270.00
Vp 75-25	0.08	0.06	0.08
ap 50	1.16	1.0625	1.16
tp 75-25	100.00	185.00	269.40

Soil infiltration rate (m/s)	1.1E-05	4.9E-06	4.1E-06
Soil infiltration rate (mm/hr)	3.98E+01	1.76E+01	1.48E+01

Based on extrapolated data in red

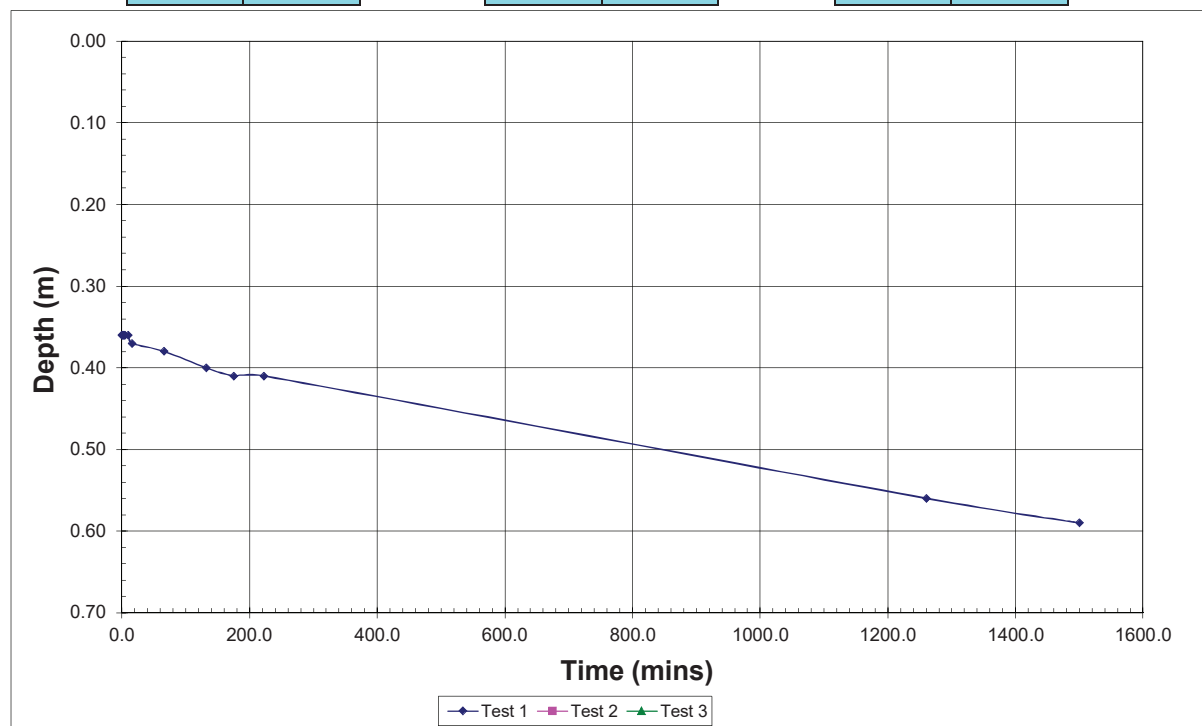
 Geo-Environmental	Soakaway Test Results (after BRE Digest 365)	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net
Project Name : Summer Lane, Pagham, Bongor Regis, PO21 4NQ		Job No. : GE17671
Client : Drew Smith Limited		Date : 14-16/01/2019

Pit reference	TP16
Pit depth (m)	0.67
Pit width (m)	0.55
Pit length (m)	1.50
Depth to standing water (m)	

Test 1	
Time (min)	Depth (m)
0.0	0.36
1.0	0.36
2.0	0.36
3.0	0.36
4.0	0.36
5.0	0.36
10.0	0.36
16.0	0.37
66.0	0.38
132.0	0.40
175.0	0.41
222.0	0.41
1260.0	0.56
1500.0	0.59

Test 2	
Time (min)	Depth (m)

Test 3	
Time (min)	Depth (m)



Max. depth (m)	0.67	0.67	0.67
Effective depth (m)	0.31	0.67	0.67
75% effective depth (m)	0.44	0.17	0.17
50% effective depth (m)	0.52	0.34	0.34
25% effective depth (m)	0.59	0.50	0.50
t75 (min)	430.00		
t50 (min)	980.00		
t25 (min)	1500.00		
Vp 75-25	0.13	0.28	0.28
ap 50	1.4605	2.1985	2.1985
tp 75-25	1070.00	0.00	0.00

Soil infiltration rate (m/s)	1.4E-06		
Soil infiltration rate (mm/hr)	4.91E+00		

Based on extrapolated data in red

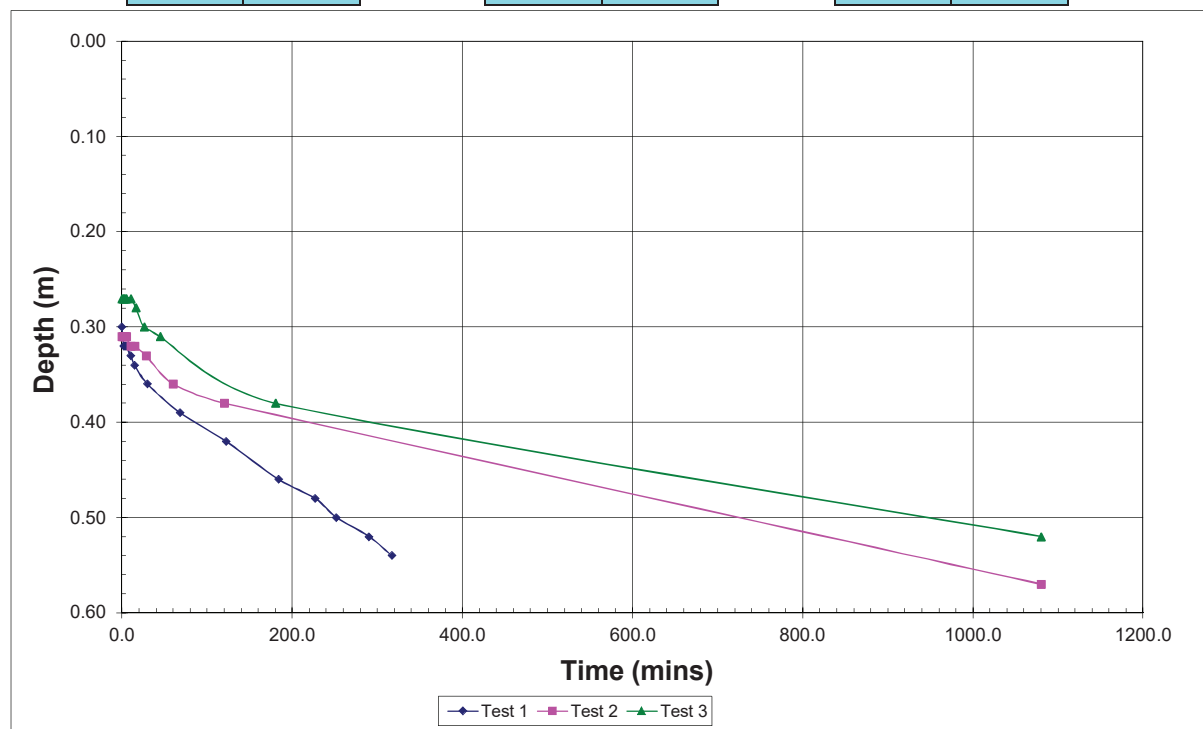
 Geo-Environmental	Soakaway Test Results (after BRE Digest 365)	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net
Project Name : Summer Lane, Pagham, Bongor Regis, PO21 4NQ		Job No. : GE17671
Client : Drew Smith Limited		Date : 14-16/01/2019

Pit reference	TP17
Pit depth (m)	0.60
Pit width (m)	0.55
Pit length (m)	1.20
Depth to standing water (m)	

Test 1	
Time (min)	Depth (m)
0.0	0.30
1.0	0.31
2.0	0.32
3.0	0.32
4.0	0.32
5.0	0.32
10.0	0.33
15.0	0.34
30.0	0.36
68.0	0.39
122.0	0.42
184.0	0.46
227.0	0.48
252.0	0.50
290.0	0.52
317.0	0.54

Test 2	
Time (min)	Depth (m)
0.0	0.31
1.0	0.31
2.0	0.31
3.0	0.31
4.0	0.31
5.0	0.31
10.0	0.32
15.0	0.32
28.0	0.33
60.0	0.36
120.0	0.38
1080.0	0.57

Test 3	
Time (min)	Depth (m)
0.0	0.27
1.0	0.27
2.0	0.27
3.0	0.27
4.0	0.27
5.0	0.27
10.0	0.27
16.0	0.28
26.0	0.30
45.0	0.31
180.0	0.38
1080.0	0.52



Max. depth (m)	0.60	0.60	0.60
Effective depth (m)	0.30	0.29	0.33
75% effective depth (m)	0.38	0.38	0.35
50% effective depth (m)	0.45	0.46	0.44
25% effective depth (m)	0.53	0.53	0.52
t75 (min)	50.00	120.00	105.00
t50 (min)	163.00	520.00	540.00
t25 (min)	303.00	860.00	1080.00
Vp 75-25	0.10	0.10	0.11
ap 50	1.185	1.1675	1.2375
tp 75-25	253.00	740.00	975.00

Soil infiltration rate (m/s)	5.5E-06	1.8E-06	1.5E-06
Soil infiltration rate (mm/hr)	1.98E+01	6.65E+00	5.42E+00

Based on extrapolated data in red

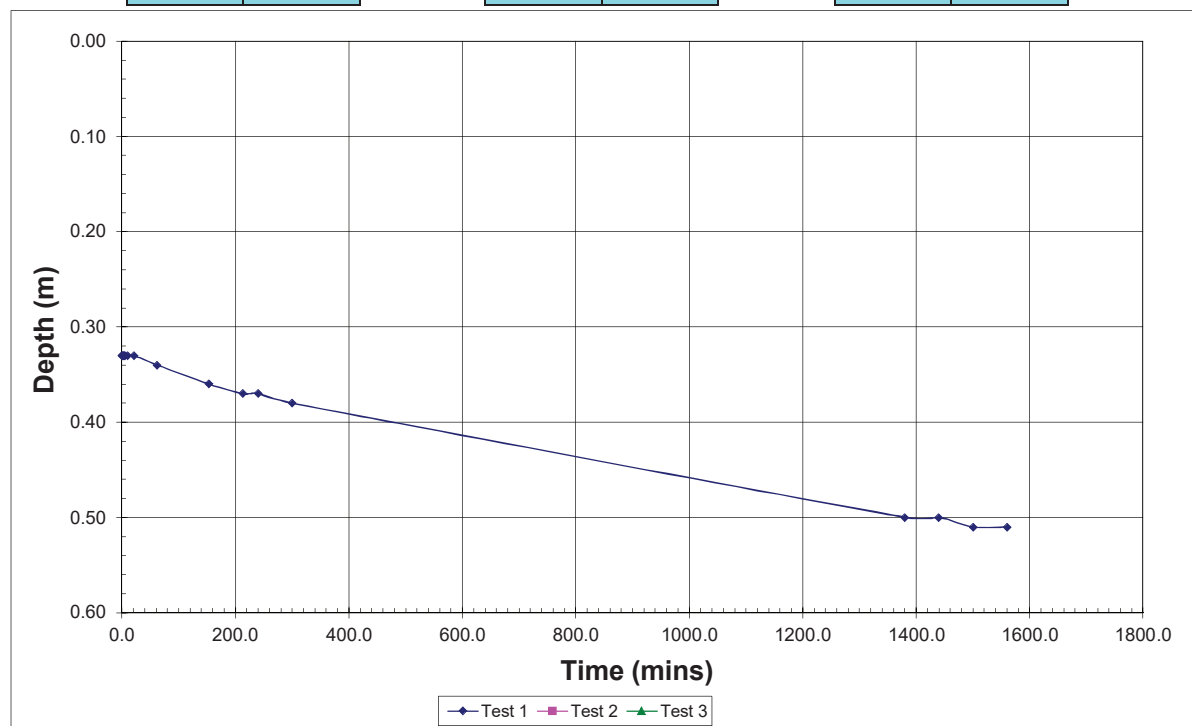
 Geo-Environmental	Soakaway Test Results (after BRE Digest 365)	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net
Project Name : Summer Lane, Pagham, Bongor Regis, PO21 4NQ		Job No. : GE17671
Client : Drew Smith Limited		Date : 14-16/01/2019

Pit reference	TP18
Pit depth (m)	0.50
Pit width (m)	0.55
Pit length (m)	0.65
Depth to standing water (m)	

Test 1	
Time (min)	Depth (m)
0.0	0.33
1.0	0.33
2.0	0.33
3.0	0.33
4.0	0.33
5.0	0.33
10.0	0.33
21.0	0.33
62.0	0.34
153.0	0.36
213.0	0.37
240.0	0.37
300.0	0.38
1380.0	0.50
1440.0	0.50
1500.0	0.51
1560.0	0.51

Test 2	
Time (min)	Depth (m)

Test 3	
Time (min)	Depth (m)



Max. depth (m)	0.50	0.50	0.50
Effective depth (m)	0.17	0.50	0.50
75% effective depth (m)	0.37	0.13	0.13
50% effective depth (m)	0.42	0.25	0.25
25% effective depth (m)	0.46	0.38	0.38
t75 (min)	240.00		
t50 (min)	660.00		
t25 (min)	1020.00		
Vp 75-25	0.03	0.09	0.09
ap 50	0.5615	0.9575	0.9575
tp 75-25	780.00	0.00	0.00

Soil infiltration rate (m/s)	1.2E-06		
Soil infiltration rate (mm/hr)	4.16E+00		

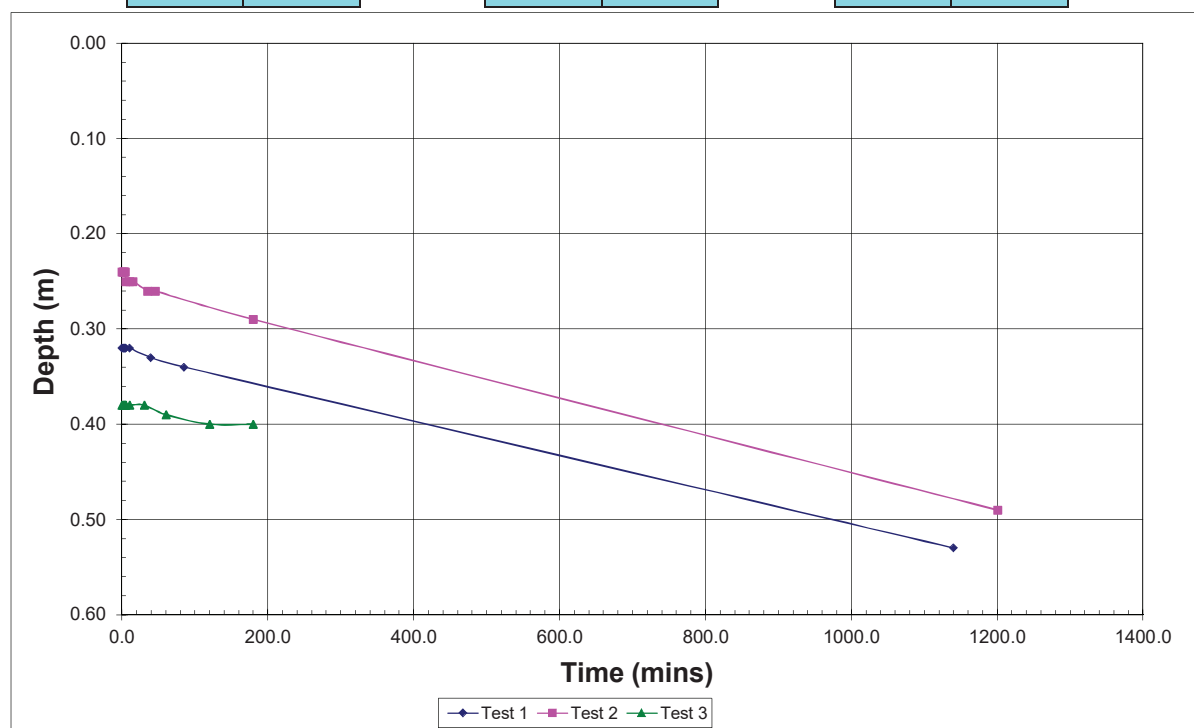
 Geo-Environmental	Soakaway Test Results (after BRE Digest 365)	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net
Project Name : Summer Lane, Pagham, Bongor Regis, PO21 4NQ		Job No. : GE17671
Client : Drew Smith Limited		Date : 14-16/01/2019

Pit reference	TP19
Pit depth (m)	0.55
Pit width (m)	0.55
Pit length (m)	1.90
Depth to standing water (m)	

Test 1	
Time (min)	Depth (m)
0.0	0.32
1.0	0.32
2.0	0.32
3.0	0.32
4.0	0.32
5.0	0.32
10.0	0.32
39.0	0.33
85.0	0.34
1140.0	0.53

Test 2	
Time (min)	Depth (m)
0.0	0.24
1.0	0.24
2.0	0.24
3.0	0.24
4.0	0.24
5.0	0.25
10.0	0.25
15.0	0.25
35.0	0.26
45.0	0.26
180.0	0.29
1200.0	0.49

Test 3	
Time (min)	Depth (m)
0.0	0.38
1.0	0.38
2.0	0.38
3.0	0.38
4.0	0.38
5.0	0.38
10.0	0.38
30.0	0.38
60.0	0.39
120.0	0.40
180.0	0.40



Max. depth (m)	0.55	0.55	0.55
Effective depth (m)	0.23	0.31	0.17
75% effective depth (m)	0.38	0.32	0.42
50% effective depth (m)	0.44	0.40	0.47
25% effective depth (m)	0.49	0.47	0.51
t75 (min)	300.00	330.00	
t50 (min)	640.00	740.00	
t25 (min)	930.00	1100.00	
Vp 75-25	0.12	0.16	0.09
ap 50	1.6085	1.8045	1.4615
tp 75-25	630.00	770.00	0.00

Soil infiltration rate (m/s)	2.0E-06	1.9E-06	Insufficient fall in water to complete test
Soil infiltration rate (mm/hr)	7.12E+00	6.99E+00	Insufficient fall in water to complete test

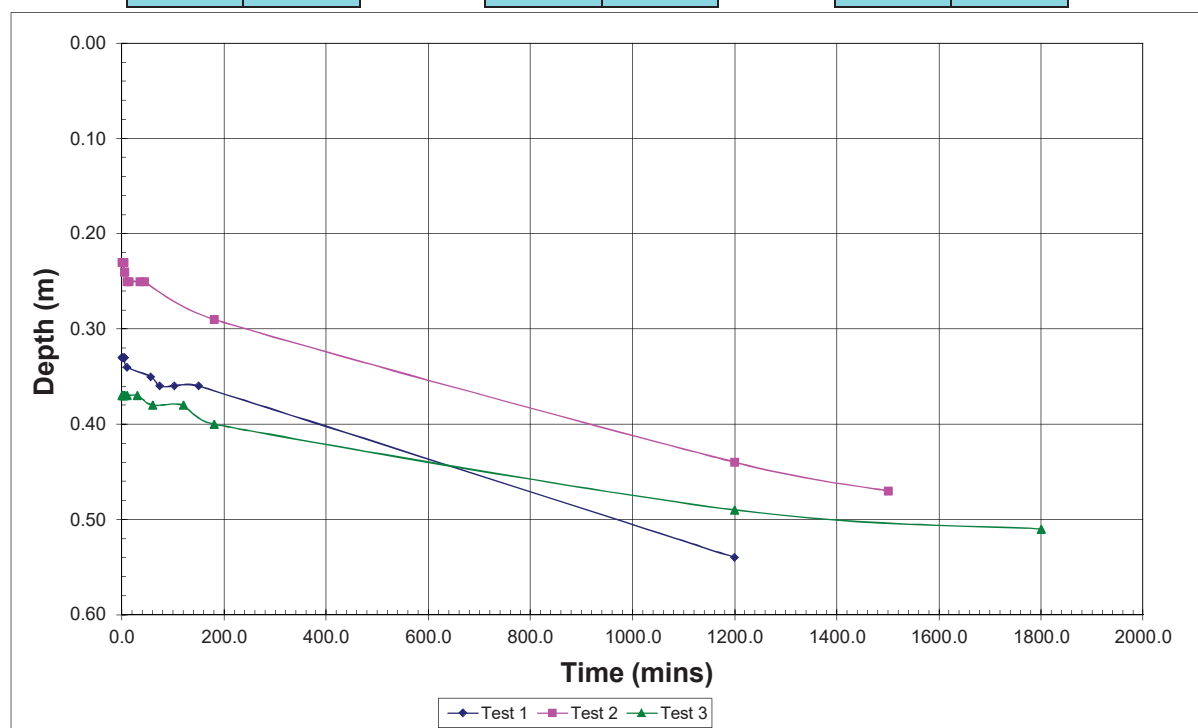
 Geo-Environmental	Soakaway Test Results (after BRE Digest 365)	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net
Project Name : Summer Lane, Pagham, Bongor Regis, PO21 4NQ		Job No. : GE17671
Client : Drew Smith Limited		Date : 14-16/01/2019

Pit reference	TP20
Pit depth (m)	0.55
Pit width (m)	0.55
Pit length (m)	1.60
Depth to standing water (m)	

Test 1	
Time (min)	Depth (m)
0.0	0.33
1.0	0.33
2.0	0.33
3.0	0.33
4.0	0.33
5.0	0.33
10.0	0.34
56.0	0.35
74.0	0.36
102.0	0.36
150.0	0.36
1200.0	0.54

Test 2	
Time (min)	Depth (m)
0.0	0.23
1.0	0.23
2.0	0.23
3.0	0.23
4.0	0.24
5.0	0.24
10.0	0.25
13.0	0.25
35.0	0.25
43.0	0.25
180.0	0.29
1200.0	0.44
1500.0	0.47

Test 3	
Time (min)	Depth (m)
0.0	0.37
1.0	0.37
2.0	0.37
3.0	0.37
4.0	0.37
5.0	0.37
10.0	0.37
30.0	0.37
60.0	0.38
120.0	0.38
180.0	0.40
1200.0	0.49
1800.0	0.51



Max. depth (m)	0.55	0.55	0.55
Effective depth (m)	0.22	0.32	0.18
75% effective depth (m)	0.39	0.31	0.42
50% effective depth (m)	0.44	0.39	0.46
25% effective depth (m)	0.50	0.47	0.51
t75 (min)	270.00	380.00	400.00
t50 (min)	620.00	790.00	800.00
t25 (min)	970.00	1500.00	1500.00
Vp 75-25	0.10	0.14	0.08
ap 50	1.353	1.568	1.267
tp 75-25	700.00	1120.00	1100.00

Soil infiltration rate (m/s)	1.7E-06	1.3E-06	9.5E-07
Soil infiltration rate (mm/hr)	6.13E+00	4.81E+00	3.41E+00

Based on extrapolated data in red

Based on extrapolated data in red

Soakaway Test Results (after BRE Digest 365)

Geo-Environmental Services Limited
Unit 7 Danworth Farm, Cuckfield Road,
Hurstpierpoint, West Sussex BN6 9GL
+44(0)1273 832972 www.gesl.net

Project Name : Summer Lane, Pagham, Bongor Regis, PO21 4NQ

Job No. : GE17671

Client : Drew Smith Limited

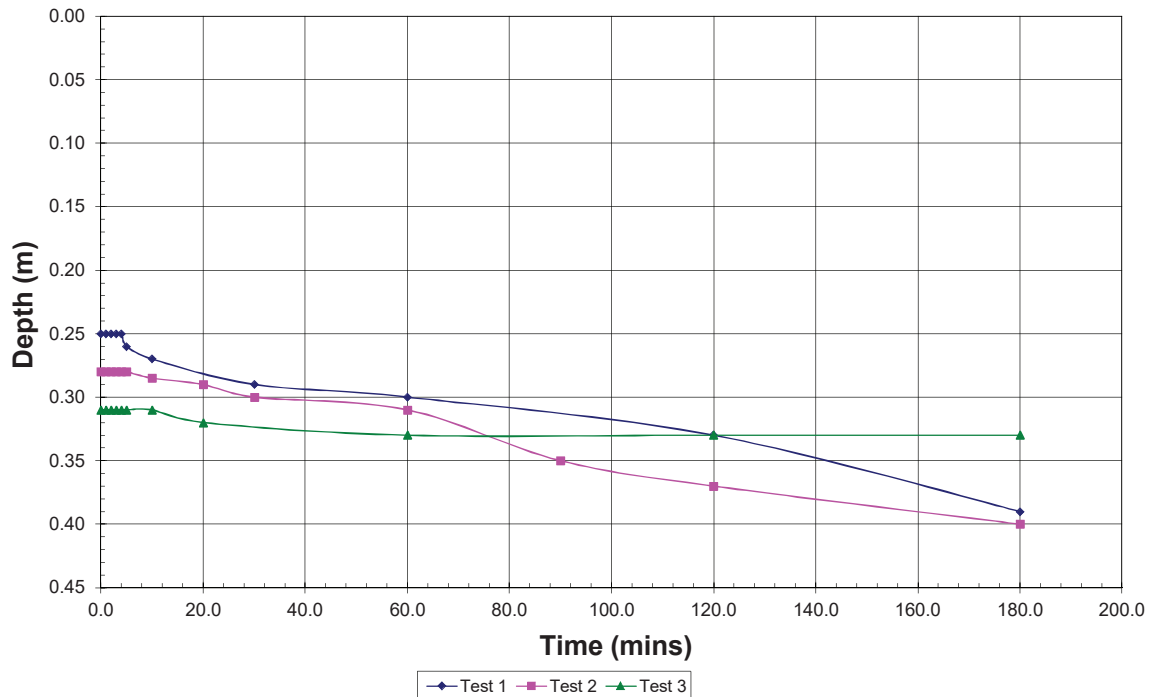
Date : 14-16/01/2019

Pit reference	TP21
Pit depth (m)	0.44
Pit width (m)	0.55
Pit length (m)	1.40
Depth to standing water (m)	

Test 1	
Time (min)	Depth (m)
0.0	0.25
1.0	0.25
2.0	0.25
3.0	0.25
4.0	0.25
5.0	0.26
10.0	0.27
30.0	0.29
60.0	0.30
120.0	0.33
180.0	0.39

Test 2	
Time (min)	Depth (m)
0.0	0.28
1.0	0.28
2.0	0.28
3.0	0.28
4.0	0.28
5.0	0.28
10.0	0.29
20.0	0.29
30.0	0.30
60.0	0.31
90.0	0.35
120.0	0.37
180.0	0.40

Test 3	
Time (min)	Depth (m)
0.0	0.31
1.0	0.31
2.0	0.31
3.0	0.31
4.0	0.31
5.0	0.31
10.0	0.31
20.0	0.32
60.0	0.33
120.0	0.33
180.0	0.33



Max. depth (m)	0.44	0.44	0.44
Effective depth (m)	0.19	0.16	0.13
75% effective depth (m)	0.30	0.32	0.34
50% effective depth (m)	0.35	0.36	0.38
25% effective depth (m)	0.39	0.40	0.41
t75 (min)	60.00	76.00	
t50 (min)	142.00	100.00	
t25 (min)	180.00	180.00	
Vp 75-25	0.07	0.06	0.05
ap 50	1.1405	1.082	1.0235
tp 75-25	120.00	104.00	0.00

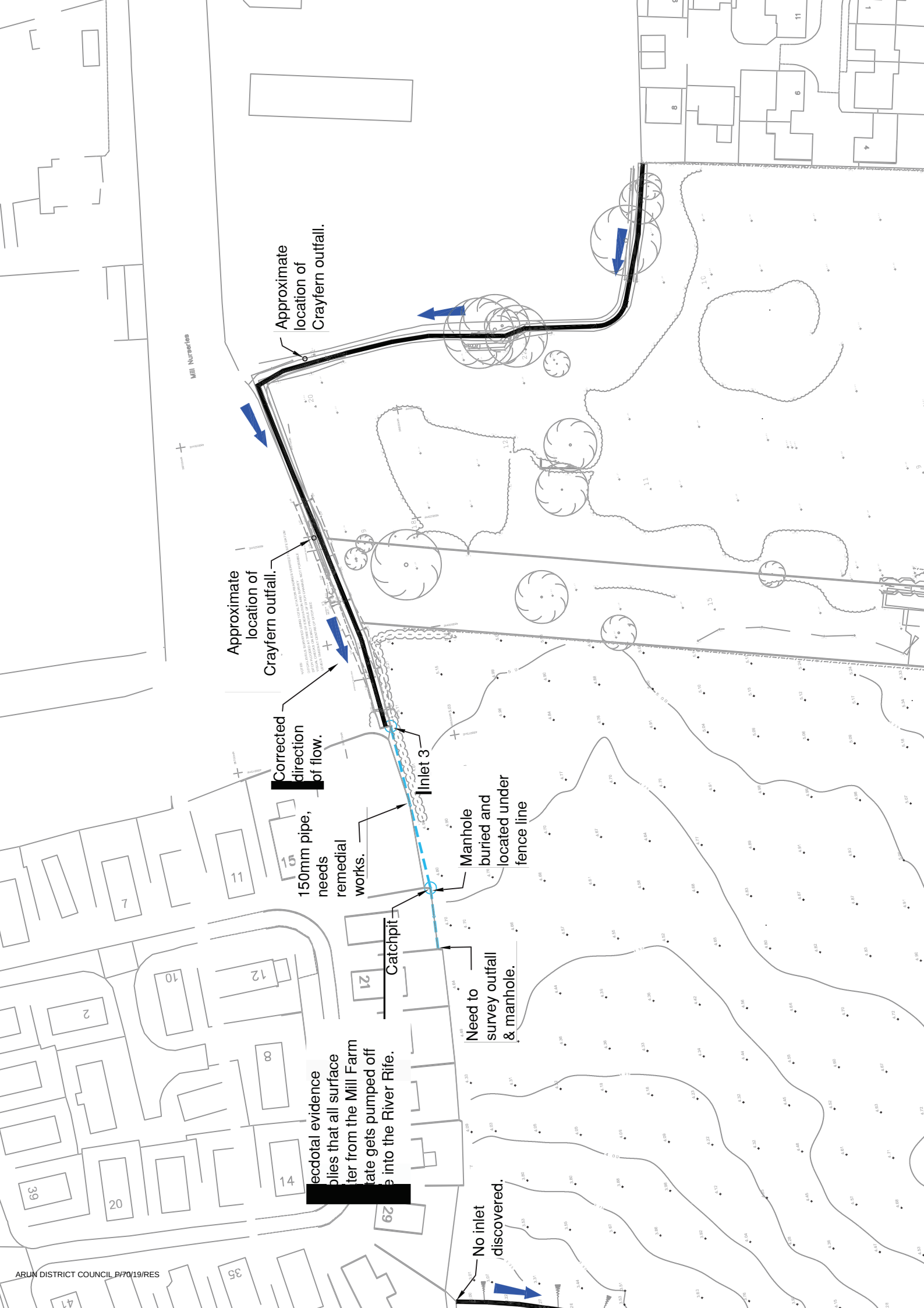
Soil infiltration rate (m/s)	8.9E-06	9.1E-06	Insufficient fall in water to complete test
Soil infiltration rate (mm/hr)	3.21E+01	3.28E+01	Insufficient fall in water to complete test

Appendix (C)
Proposed Site Layout



Appendix (D)

Existing Drainage Regime



Approximate location of Crayfern outfall.

Approximate location of Crayfern outfall.

Corrected direction of flow.

150mm pipe, needs remedial works.

Inlet 3

Manhole buried and located under fence line

Catchpit

Need to survey outfall & manhole.

Ecological evidence implies that all surface water from the Mill Farm estate gets pumped off into the River Rife.

No inlet discovered.