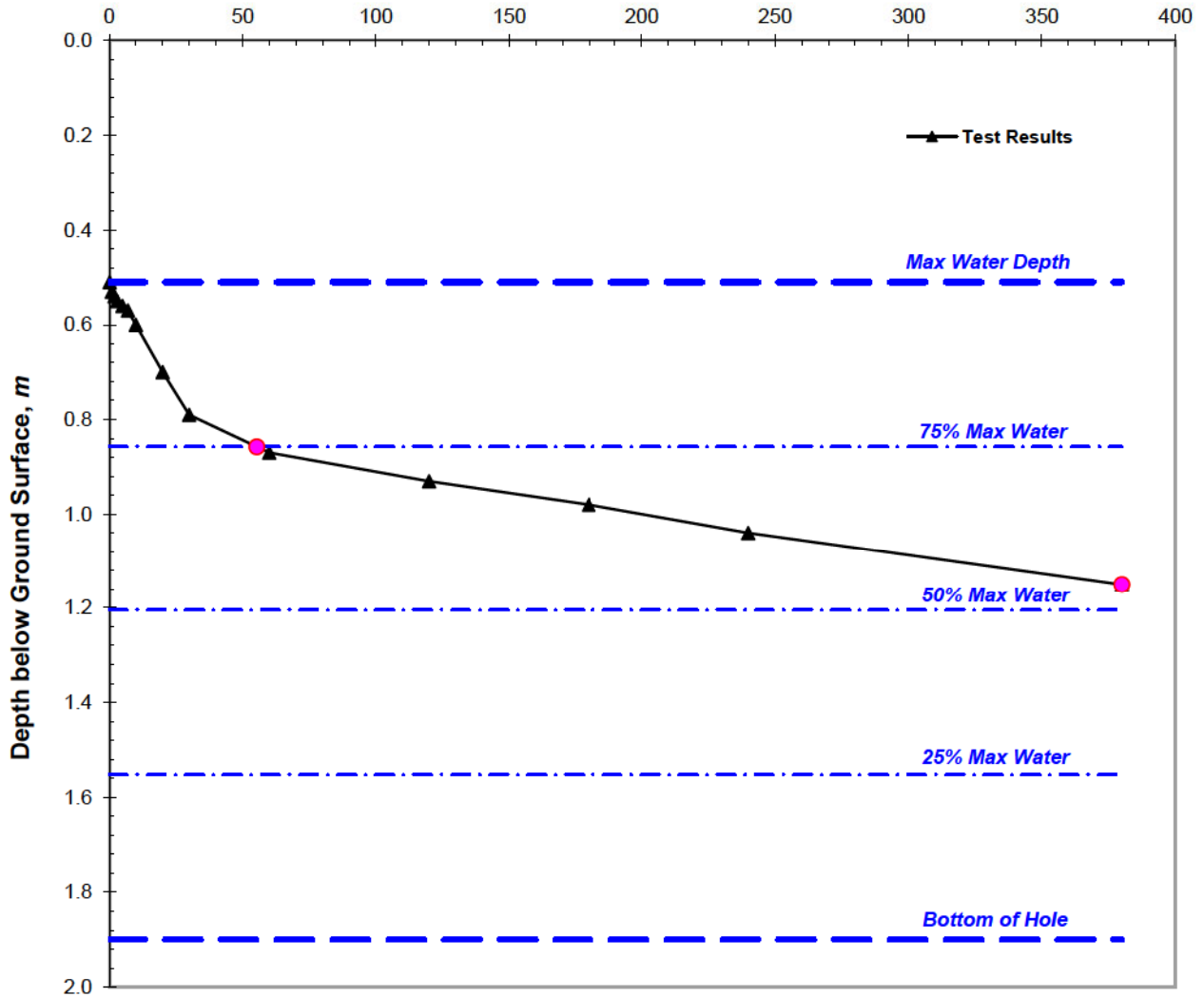


BRE Digest 365 Soakage Test

Test Hole No: TP1
Test No: Test No 3 (Repeated)

Time from Filling to Maximum Water Depth, *minute*



Pit Length, m	1.800	Depth to Water at Start of Test, m	0.510
Pit Width, m	0.650	Max Water Dropdown during Test, m	0.640
Depth to Pit Base, m	1.900	Total Soakage Test Time, min	380.0
Depth to Top of Permeable Soils, m		Mean Internal Discharge Area, m ²	5.562
Depth to Groundwater Surface, m		Discharge Rate, litre/min	1.054
Depth to Top of Granular Fill, m		Soakage Rate, litre/m ² /min	0.190
Void Assumed for Granular Fill, %	100%	BRE Soil Infiltration Rate, m/sec	3.16E-06

Comments:

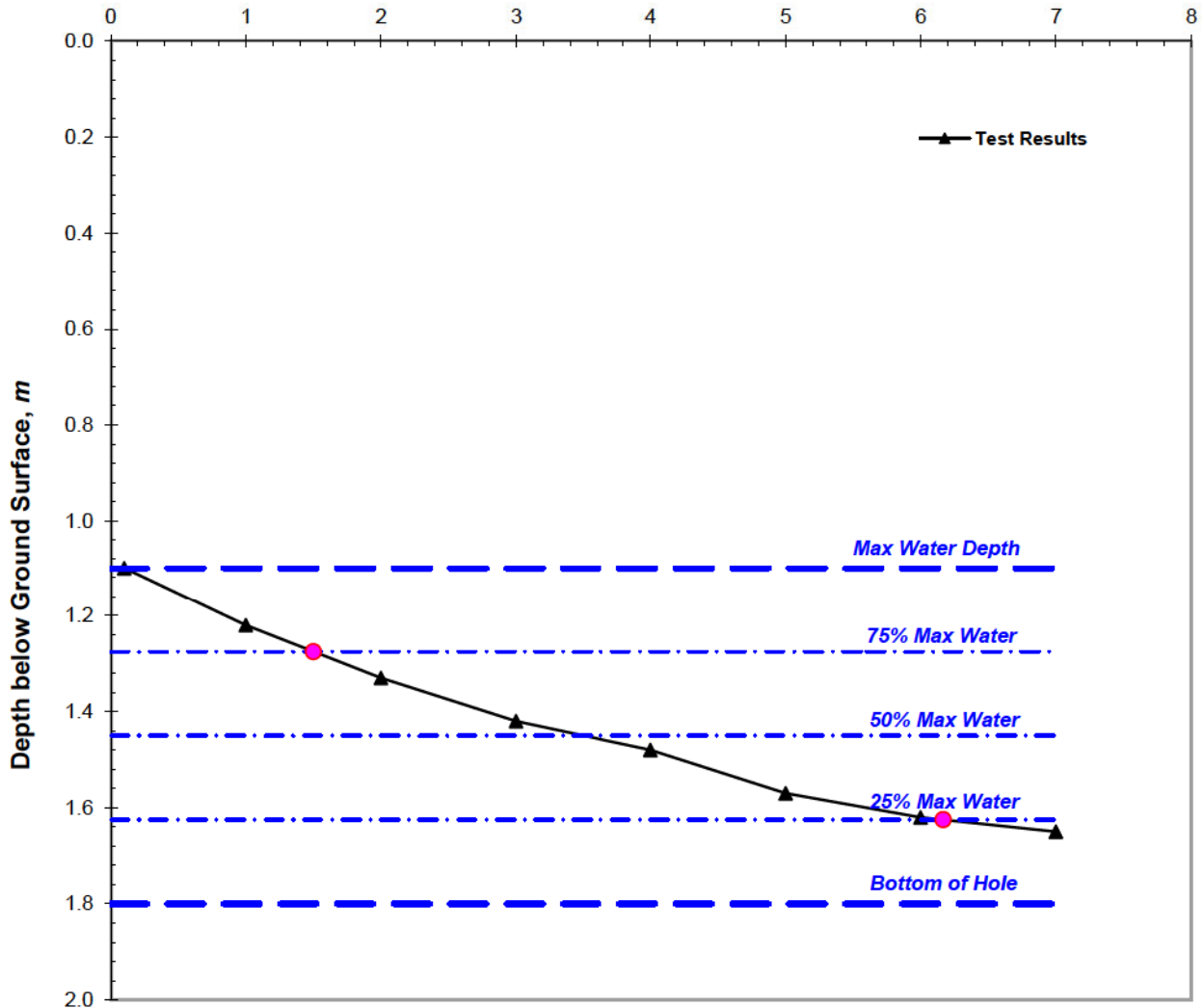
Water level fell to 75% -- 50% max water depth, calculations were based on actual fall of water level achieved.
Result not compliant with BRE365 requirement since water did not fall to 25% max water depth.

Client: KD Attwood & Partners	Job No: J13752	Test Date: 12/Sep/2018
Site: Land off Shawstead Road, Hale, ME5	Tested By: OS/GC	Engineer: JMW Fig. S3

BRE Digest 365 Soakage Test

Test Hole No: TP2
 Test No: Test No 1 (Initial)

Time from Filling to Maximum Water Depth, *minute*



Pit Length, m	2.000	Depth to Water at Start of Test, m	1.100
Pit Width, m	0.650	Max Water Dropdown during Test, m	0.550
Depth to Pit Base, m	1.800	Total Soakage Test Time, min	7.0
Depth to Top of Permeable Soils, m		Mean Internal Discharge Area, m ²	3.155
Depth to Groundwater Surface, m		Discharge Rate, litre/min	97.500
Depth to Top of Granular Fill, m		Soakage Rate, litre/m ² /min	30.90
Void Assumed for Granular Fill, %	100%	BRE Soil Infiltration Rate, m/sec	5.15E-04

Comments:

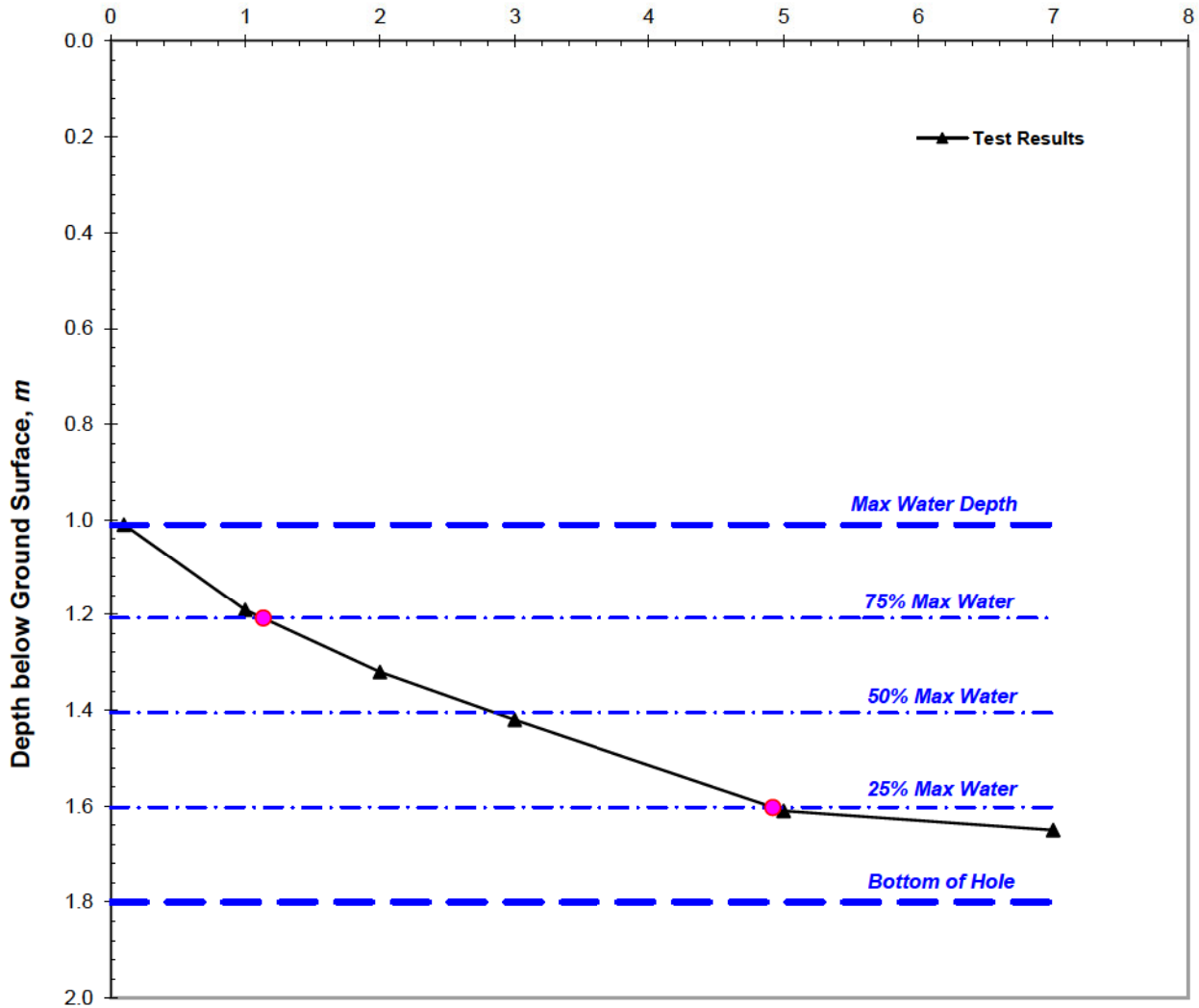
Pit was nearly emptied at finish of test.

Client: KD Attwood & Partners	Job No: J13752	Test Date: 10/Sep/2018
Site: Land off Shawstead Road, Hale, ME5	Tested By: OS/GC	Engineer: JMW Fig. S4

BRE Digest 365 Soakage Test

Test Hole No: TP2
Test No: Test No 2 (Repeated)

Time from Filling to Maximum Water Depth, *minute*



Pit Length, m	2.000	Depth to Water at Start of Test, m	1.010
Pit Width, m	0.650	Max Water Dropdown during Test, m	0.640
Depth to Pit Base, m	1.800	Total Soakage Test Time, min	7.0
Depth to Top of Permeable Soils, m		Mean Internal Discharge Area, m ²	3.394
Depth to Groundwater Surface, m		Discharge Rate, litre/min	135.616
Depth to Top of Granular Fill, m		Soakage Rate, litre/m ² /min	39.96
Void Assumed for Granular Fill, %	100%	BRE Soil Infiltration Rate, m/sec	6.66E-04

Comments:

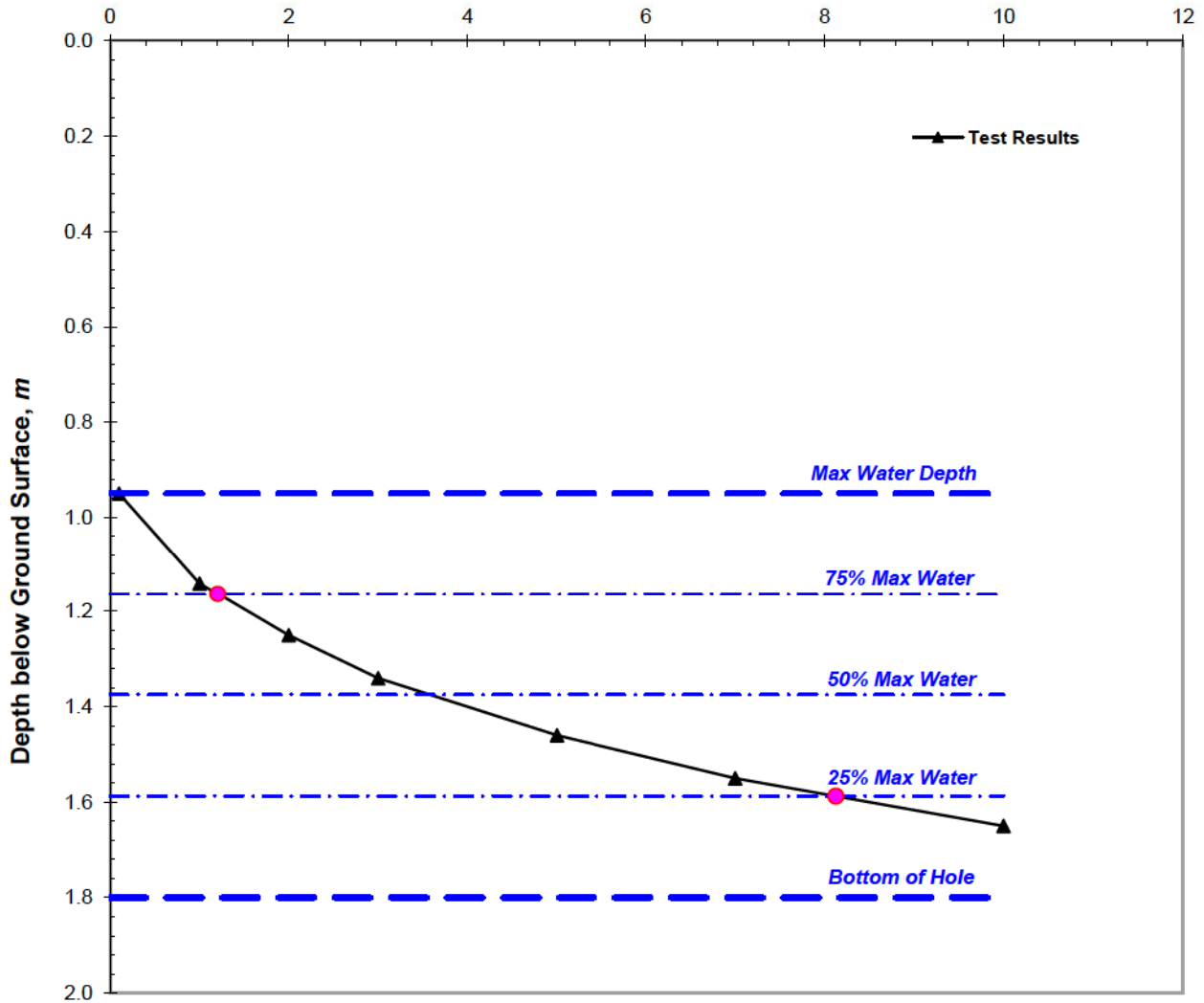
Pit was nearly emptied at finish of test.

Client: KD Attwood & Partners	Job No: J13752	Test Date: 10/Sep/2018
Site: Land off Shawstead Road, Hale, ME5	Tested By: OS/GC	Engineer: JMW Fig. S5

BRE Digest 365 Soakage Test

Test Hole No: TP2
 Test No: Test No 3 (Repeated)

Time from Filling to Maximum Water Depth, *minute*



Pit Length, m	2.000	Depth to Water at Start of Test, m	0.950
Pit Width, m	0.650	Max Water Dropdown during Test, m	0.700
Depth to Pit Base, m	1.800	Total Soakage Test Time, min	10.0
Depth to Top of Permeable Soils, m		Mean Internal Discharge Area, m ²	3.553
Depth to Groundwater Surface, m		Discharge Rate, litre/min	79.836
Depth to Top of Granular Fill, m		Soakage Rate, litre/m ² /min	22.47
Void Assumed for Granular Fill, %	100%	BRE Soil Infiltration Rate, m/sec	3.75E-04

Comments:

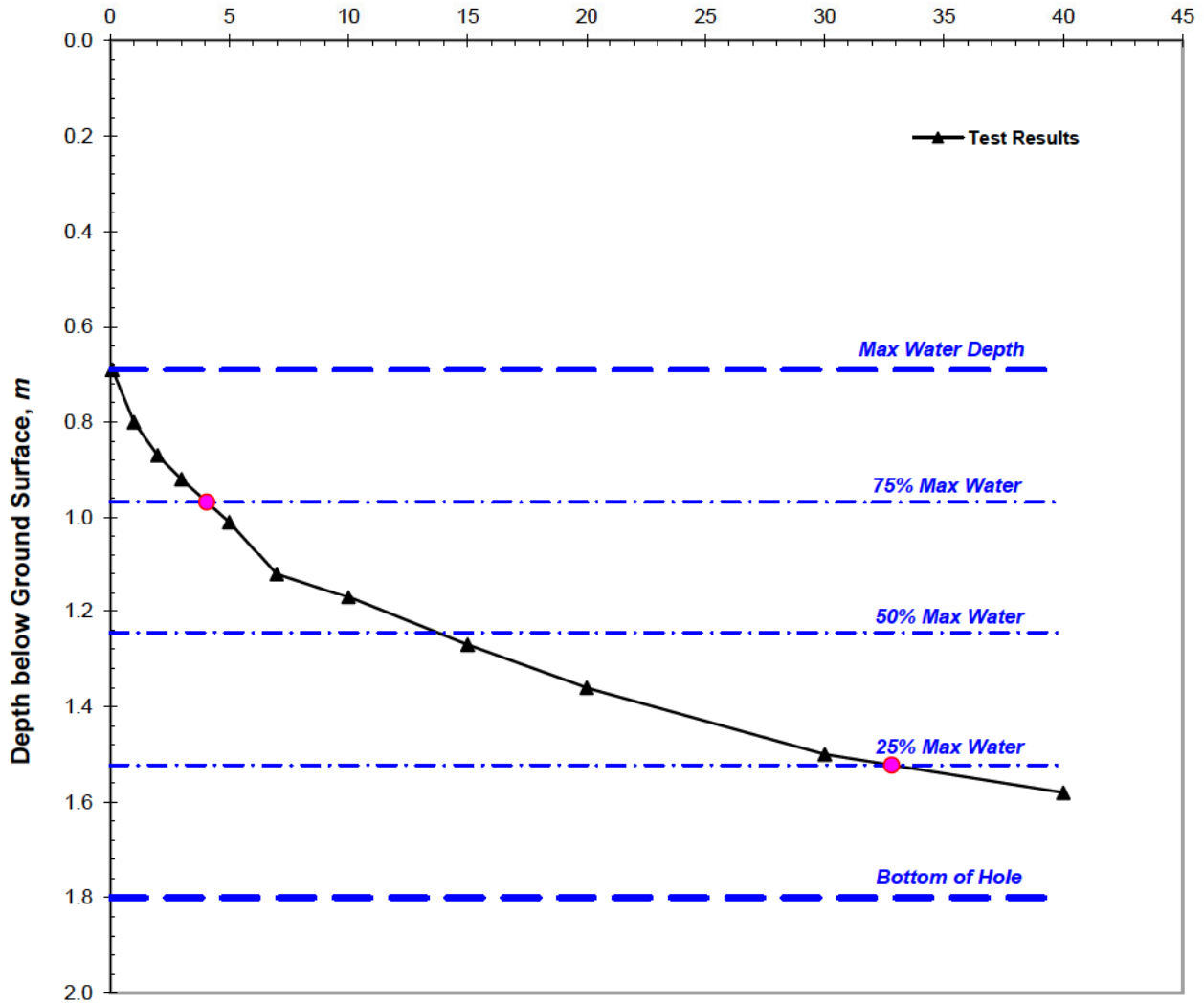
Pit was nearly emptied at finish of test.

Client: KD Attwood & Partners	Job No: J13752	Test Date: 10/Sep/2018
Site: Land off Shawstead Road, Hale, ME5	Tested By: OS/GC	Engineer: JMW Fig. S6

BRE Digest 365 Soakage Test

Test Hole No: TP3
 Test No: Test No 1 (Initial)

Time from Filling to Maximum Water Depth, *minute*



Pit Length, m	2.200	Depth to Water at Start of Test, m	0.690
Pit Width, m	0.650	Max Water Dropdown during Test, m	0.890
Depth to Pit Base, m	1.800	Total Soakage Test Time, min	40.0
Depth to Top of Permeable Soils, m		Mean Internal Discharge Area, m ²	4.594
Depth to Groundwater Surface, m		Discharge Rate, litre/min	27.599
Depth to Top of Granular Fill, m		Soakage Rate, litre/m ² /min	6.01
Void Assumed for Granular Fill, %	100%	BRE Soil Infiltration Rate, m/sec	1.00E-04

Comments:

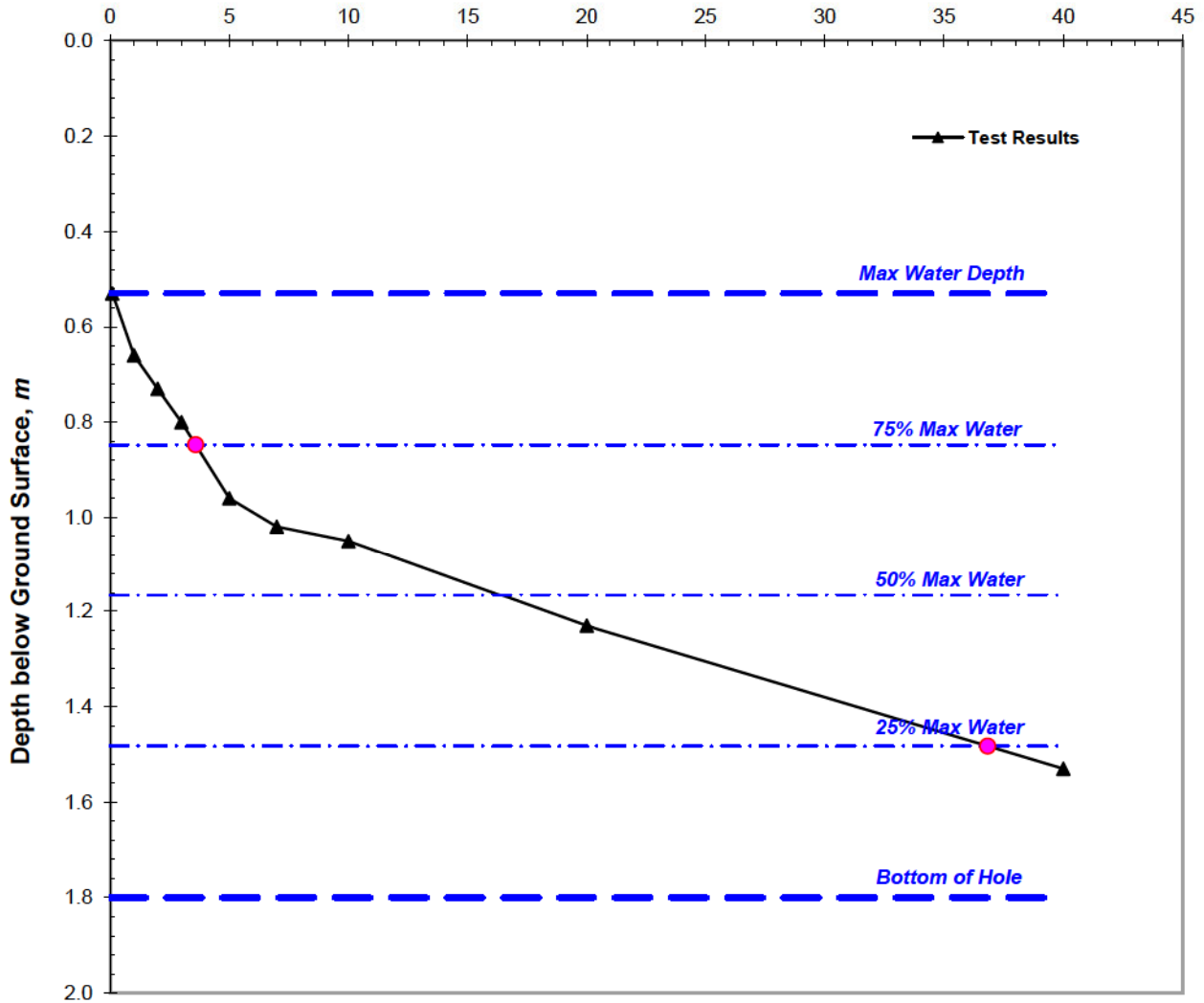
Pit was nearly emptied at finish of test.

Client: KD Attwood & Partners	Job No: J13752	Test Date: 10/Sep/2018
Site: Land off Shawstead Road, Hale, ME5	Tested By: OS/GC	Engineer: JMW Fig. S7

BRE Digest 365 Soakage Test

Test Hole No: TP3
Test No: Test No 2 (Repeated)

Time from Filling to Maximum Water Depth, *minute*



Pit Length, m	2.200	Depth to Water at Start of Test, m	0.530
Pit Width, m	0.650	Max Water Dropdown during Test, m	1.000
Depth to Pit Base, m	1.800	Total Soakage Test Time, min	40.0
Depth to Top of Permeable Soils, m		Mean Internal Discharge Area, m ²	5.050
Depth to Groundwater Surface, m		Discharge Rate, litre/min	27.318
Depth to Top of Granular Fill, m		Soakage Rate, litre/m ² /min	5.41
Void Assumed for Granular Fill, %	100%	BRE Soil Infiltration Rate, m/sec	9.02E-05

Comments:

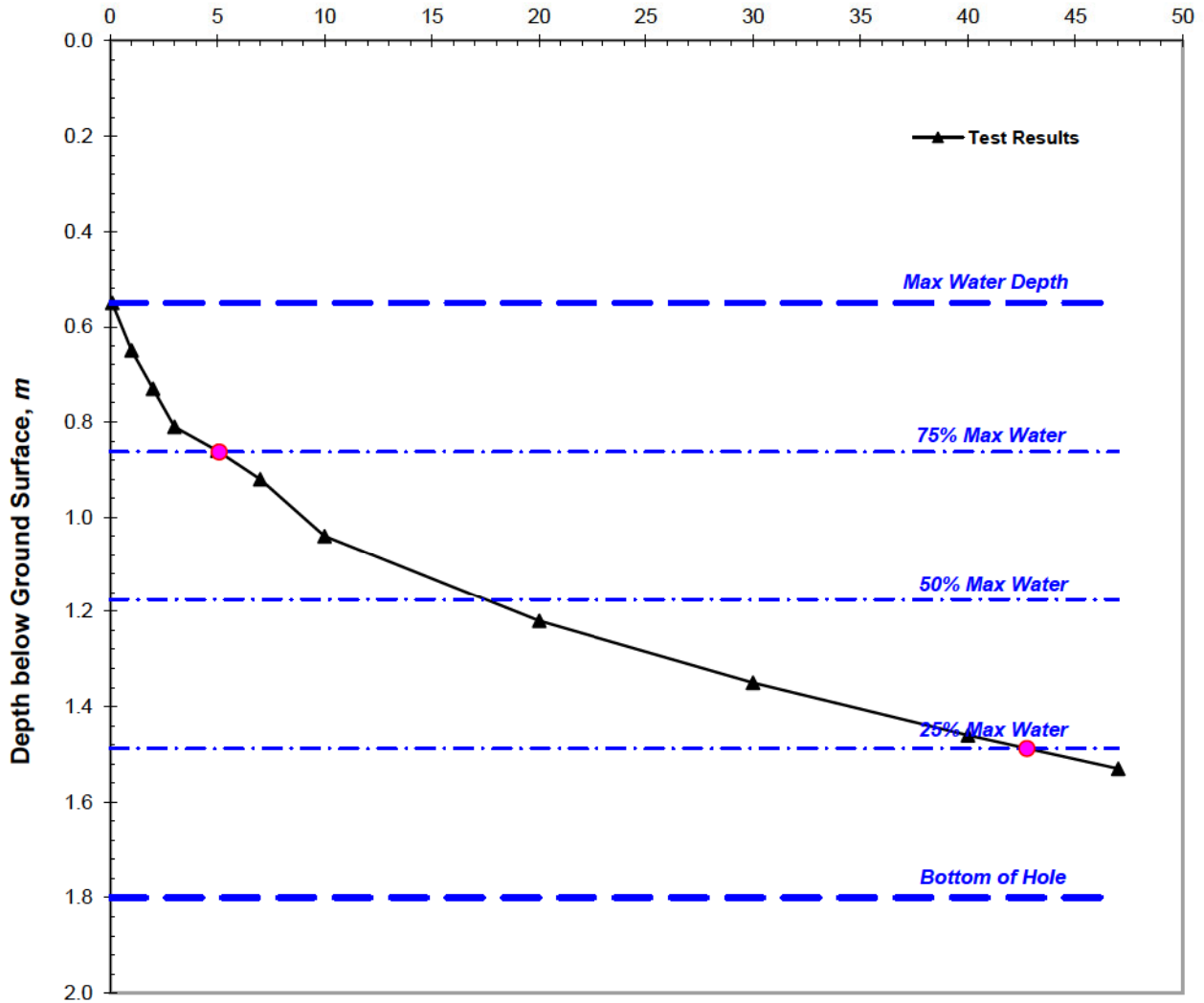
Pit was nearly emptied at finish of test.

Client: KD Attwood & Partners	Job No: J13752	Test Date: 10/Sep/2018
Site: Land off Shawstead Road, Hale, ME5	Tested By: OS/GC	Engineer: JMW Fig. S8

BRE Digest 365 Soakage Test

Test Hole No: TP3
 Test No: Test No 3 (Repeated)

Time from Filling to Maximum Water Depth, *minute*



Pit Length, m	2.200	Depth to Water at Start of Test, m	0.550
Pit Width, m	0.650	Max Water Dropdown during Test, m	0.980
Depth to Pit Base, m	1.800	Total Soakage Test Time, min	47.0
Depth to Top of Permeable Soils, m		Mean Internal Discharge Area, m ²	4.993
Depth to Groundwater Surface, m		Discharge Rate, litre/min	23.728
Depth to Top of Granular Fill, m		Soakage Rate, litre/m ² /min	4.75
Void Assumed for Granular Fill, %	100%	BRE Soil Infiltration Rate, m/sec	7.92E-05

Comments:

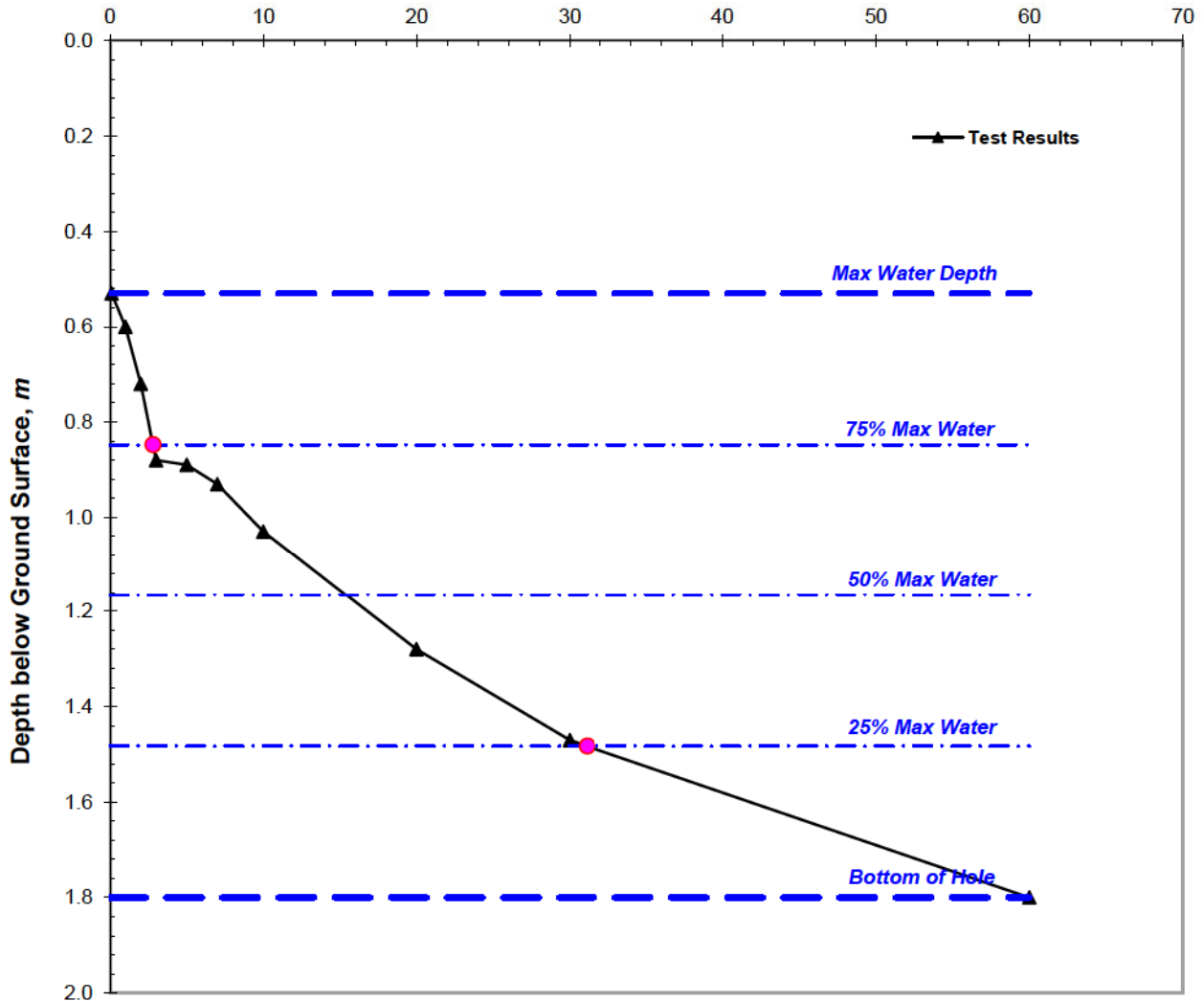
Pit was nearly emptied at finish of test.

Client: KD Attwood & Partners	Job No: J13752	Test Date: 10/Sep/2018
Site: Land off Shawstead Road, Hale, ME5	Tested By: OS/GC	Engineer: JMW Fig. S9

BRE Digest 365 Soakage Test

Test Hole No: TP4
 Test No: Test No 1 (Initial)

Time from Filling to Maximum Water Depth, *minute*



Pit Length, m	2.200	Depth to Water at Start of Test, m	0.530
Pit Width, m	0.650	Max Water Dropdown during Test, m	1.270
Depth to Pit Base, m	1.800	Total Soakage Test Time, min	60.0
Depth to Top of Permeable Soils, m		Mean Internal Discharge Area, m ²	5.050
Depth to Groundwater Surface, m		Discharge Rate, litre/min	32.042
Depth to Top of Granular Fill, m		Soakage Rate, litre/m ² /min	6.35
Void Assumed for Granular Fill, %	100%	BRE Soil Infiltration Rate, m/sec	1.06E-04

Comments:

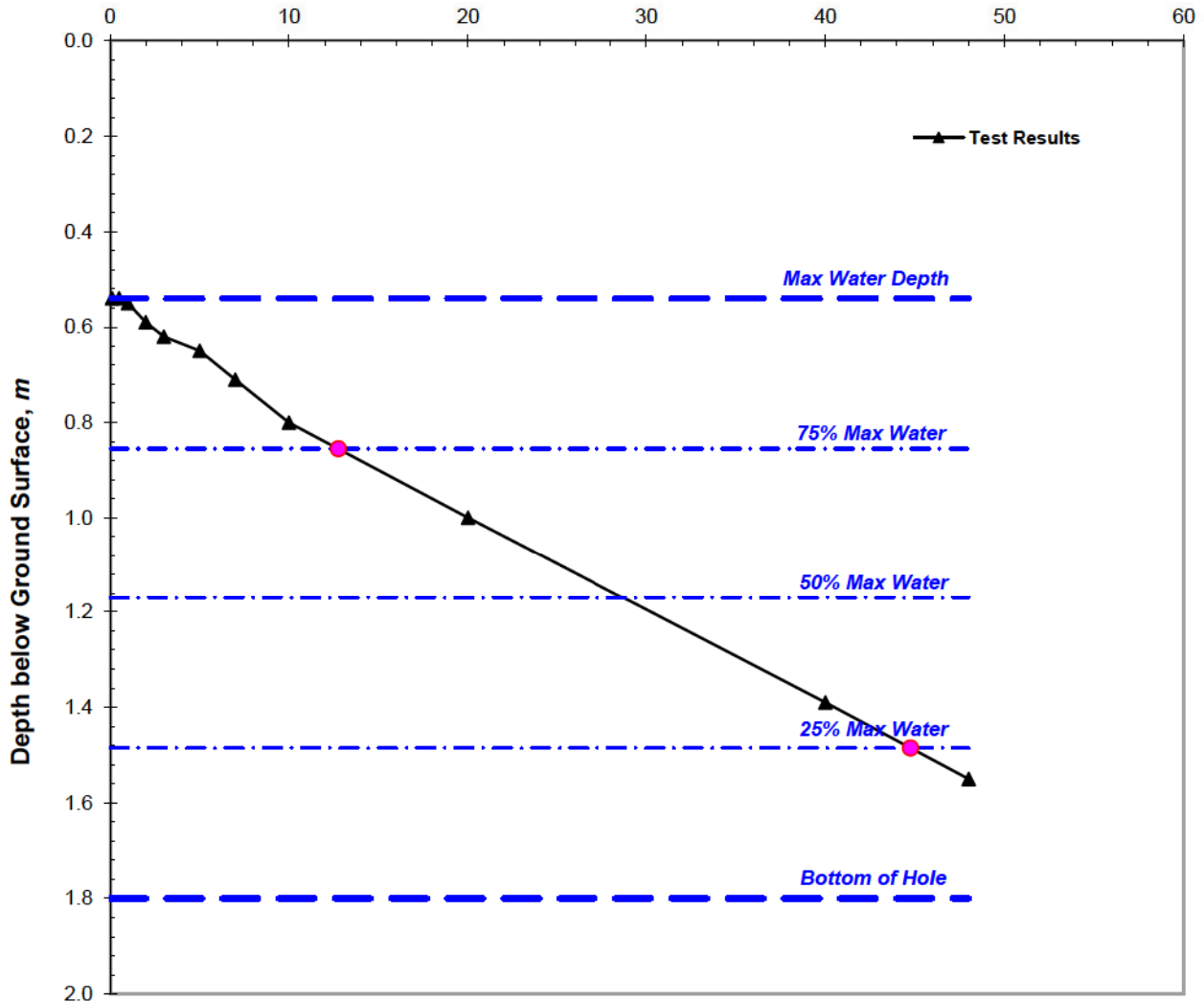
Pit was emptied at finish of test.

Client: KD Attwood & Partners	Job No: J13752	Test Date: 10/Sep/2018
Site: Land off Shawstead Road, Hale, ME5	Tested By: OS/GC	Engineer: JMW Fig. S10

BRE Digest 365 Soakage Test

Test Hole No: TP4
 Test No: Test No 2 (Repeated)

Time from Filling to Maximum Water Depth, *minute*



Pit Length, m	2.200	Depth to Water at Start of Test, m	0.540
Pit Width, m	0.650	Max Water Dropdown during Test, m	1.010
Depth to Pit Base, m	1.800	Total Soakage Test Time, min	48.0
Depth to Top of Permeable Soils, m		Mean Internal Discharge Area, m ²	5.021
Depth to Groundwater Surface, m		Discharge Rate, litre/min	28.153
Depth to Top of Granular Fill, m		Soakage Rate, litre/m ² /min	5.61
Void Assumed for Granular Fill, %	100%	BRE Soil Infiltration Rate, m/sec	9.35E-05

Comments:

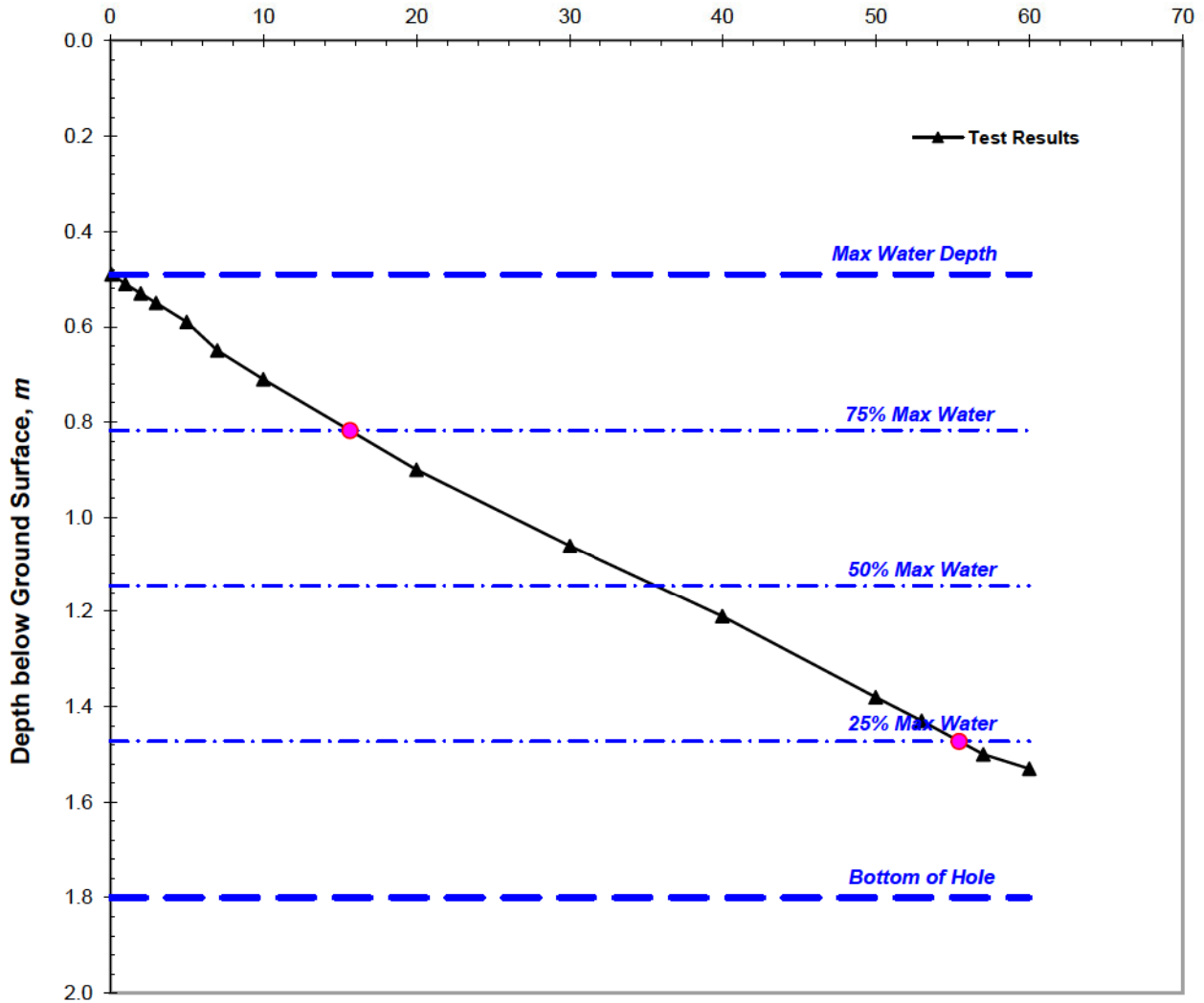
Pit was nearly emptied at finish of test.

Client: KD Attwood & Partners	Job No: J13752	Test Date: 10/Sep/2018
Site: Land off Shawstead Road, Hale, ME5	Tested By: OS/GC	Engineer: JMW Fig. S11

BRE Digest 365 Soakage Test

Test Hole No: TP4
Test No: Test No 3 (Repeated)

Time from Filling to Maximum Water Depth, *minute*



Pit Length, m	2.200	Depth to Water at Start of Test, m	0.490
Pit Width, m	0.650	Max Water Dropdown during Test, m	1.040
Depth to Pit Base, m	1.800	Total Soakage Test Time, min	60.0
Depth to Top of Permeable Soils, m		Mean Internal Discharge Area, m ²	5.164
Depth to Groundwater Surface, m		Discharge Rate, litre/min	23.551
Depth to Top of Granular Fill, m		Soakage Rate, litre/m ² /min	4.56
Void Assumed for Granular Fill, %	100%	BRE Soil Infiltration Rate, m/sec	7.60E-05

Comments:

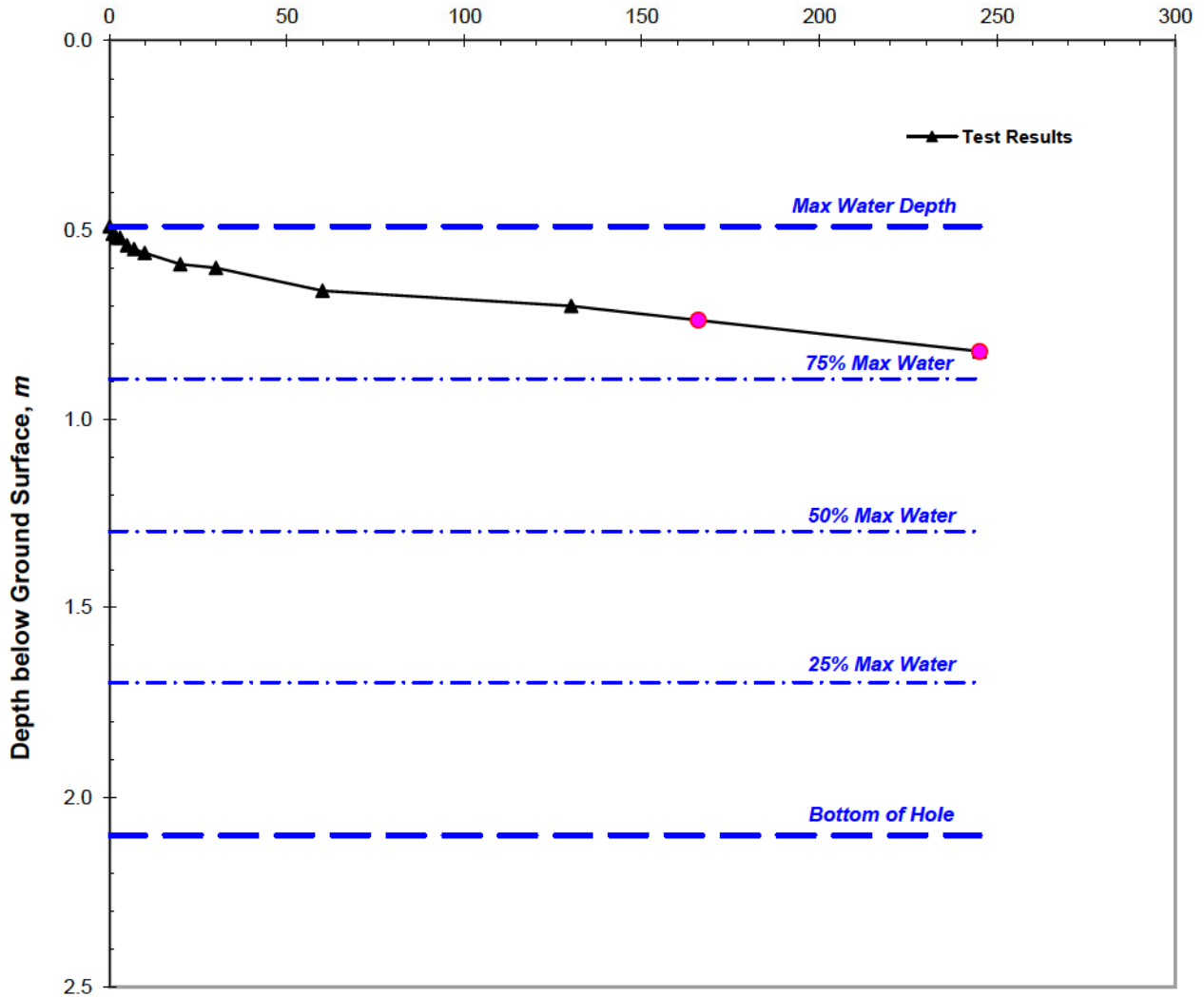
Pit was nearly emptied at finish of test.

Client: KD Attwood & Partners	Job No: J13752	Test Date: 10/Sep/2018
Site: Land off Shawstead Road, Hale, ME5	Tested By: OS/GC	Engineer: JMW Fig. S12

BRE Digest 365 Soakage Test

Test Hole No: TP5
 Test No: Test No 1 (Initial)

Time from Filling to Maximum Water Depth, *minute*



Pit Length, m	2.100	Depth to Water at Start of Test, m	0.490
Pit Width, m	0.650	Max Water Dropdown during Test, m	0.330
Depth to Pit Base, m	2.100	Total Soakage Test Time, min	245.0
Depth to Top of Permeable Soils, m		Mean Internal Discharge Area, m ²	8.632
Depth to Groundwater Surface, m		Discharge Rate, litre/min	1.424
Depth to Top of Granular Fill, m		Soakage Rate, litre/m ² /min	0.165
Void Assumed for Granular Fill, %	100%	BRE Soil Infiltration Rate, m/sec	2.75E-06

Comments:

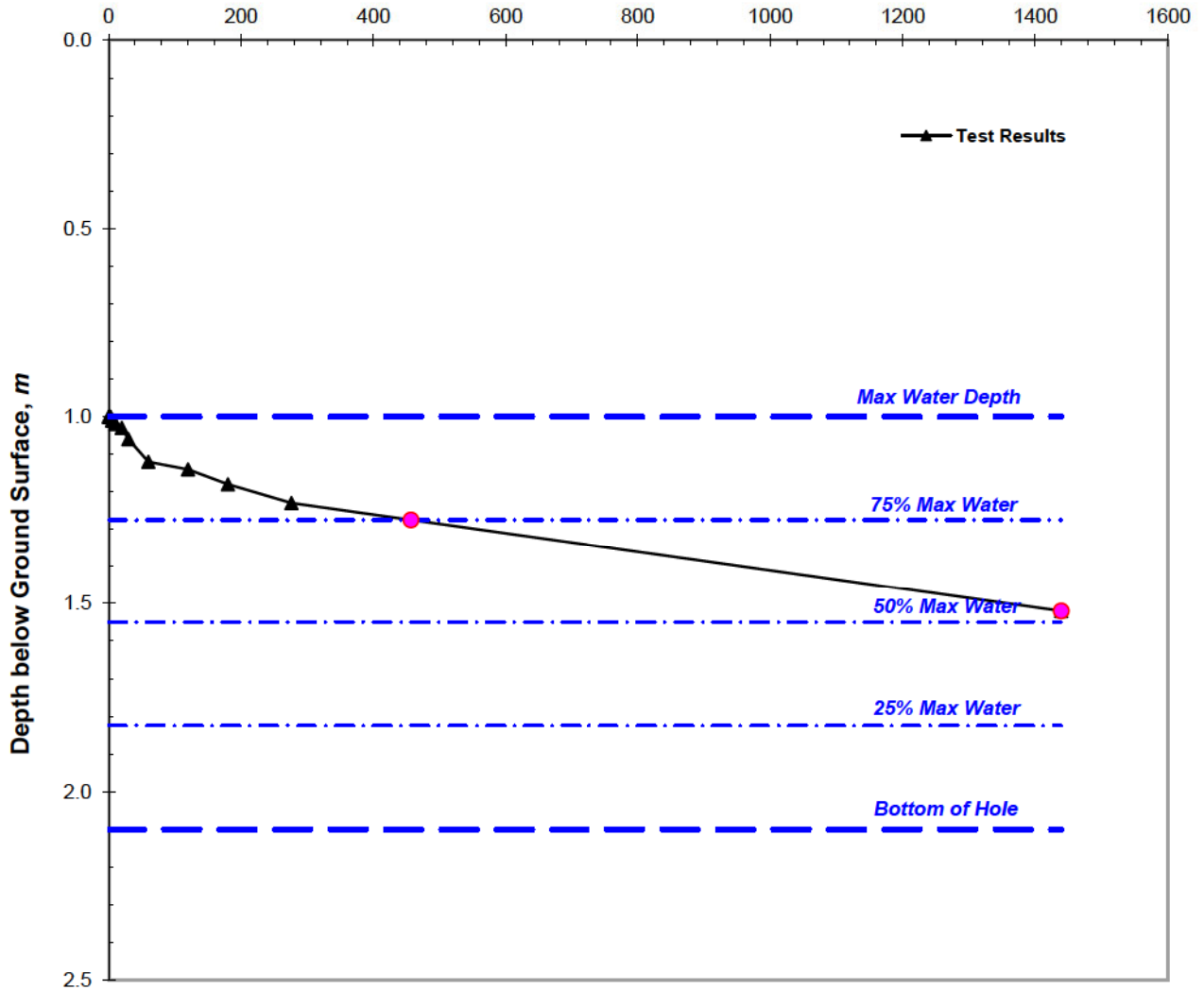
Water level did not fall to 75% max water depth, calculations were based on actual fall of water level achieved.
 Result not compliant with BRE365 requirement since water did not fall to 25% max water depth.

Client: KD Attwood & Partners	Job No: J13752	Test Date: 10/Sep/2018
Site: Land off Shawstead Road, Hale, ME5	Tested By: OS/GC	Engineer: JMW Fig. S13

BRE Digest 365 Soakage Test

Test Hole No: TP6
 Test No: Test No 1 (Initial)

Time from Filling to Maximum Water Depth, *minute*



Pit Length, m	2.000	Depth to Water at Start of Test, m	1.000
Pit Width, m	0.650	Max Water Dropdown during Test, m	0.520
Depth to Pit Base, m	2.100	Total Soakage Test Time, min	1439.0
Depth to Top of Permeable Soils, m		Mean Internal Discharge Area, m ²	5.023
Depth to Groundwater Surface, m		Discharge Rate, litre/min	0.324
Depth to Top of Granular Fill, m		Soakage Rate, litre/m ² /min	0.065
Void Assumed for Granular Fill, %	100%	BRE Soil Infiltration Rate, m/sec	1.08E-06

Comments:

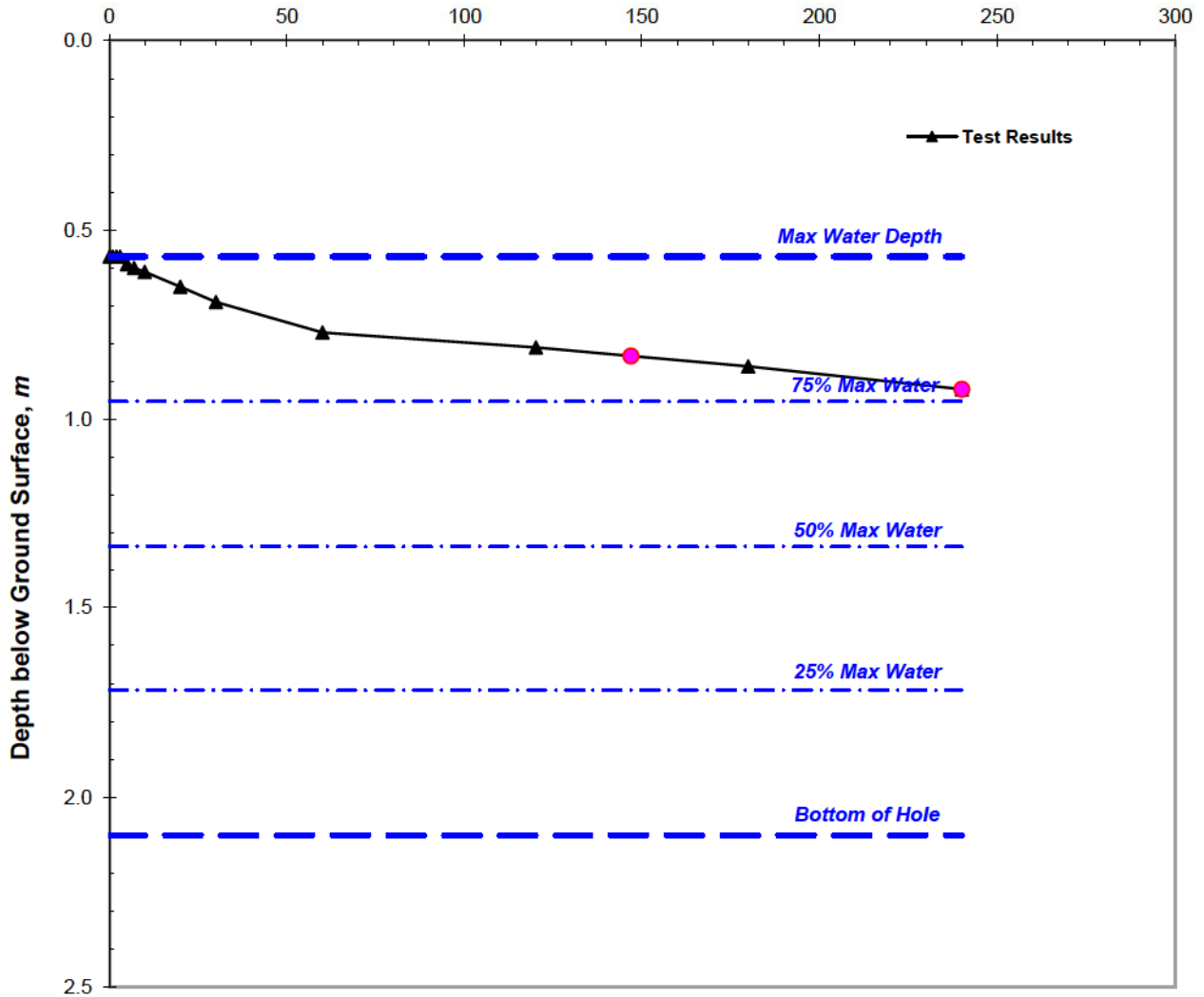
Water level fell to 75% -- 50% max water depth, calculations were based on actual fall of water level achieved.
 Result not compliant with BRE365 requirement since water did not fall to 25% max water depth.

Client: KD Attwood & Partners	Job No: J13752	Test Date: 11/Sep/2018
Site: Land off Shawstead Road, Hale, ME5	Tested By: OS/GC	Engineer: JMW Fig. S14

BRE Digest 365 Soakage Test

Test Hole No: TP6
 Test No: Test No 2 (Repeated)

Time from Filling to Maximum Water Depth, *minute*



Pit Length, m	2.000	Depth to Water at Start of Test, m	0.570
Pit Width, m	0.650	Max Water Dropdown during Test, m	0.350
Depth to Pit Base, m	2.100	Total Soakage Test Time, min	240.0
Depth to Top of Permeable Soils, m		Mean Internal Discharge Area, m ²	7.786
Depth to Groundwater Surface, m		Discharge Rate, litre/min	1.223
Depth to Top of Granular Fill, m		Soakage Rate, litre/m ² /min	0.157
Void Assumed for Granular Fill, %	100%	BRE Soil Infiltration Rate, m/sec	2.62E-06

Comments:

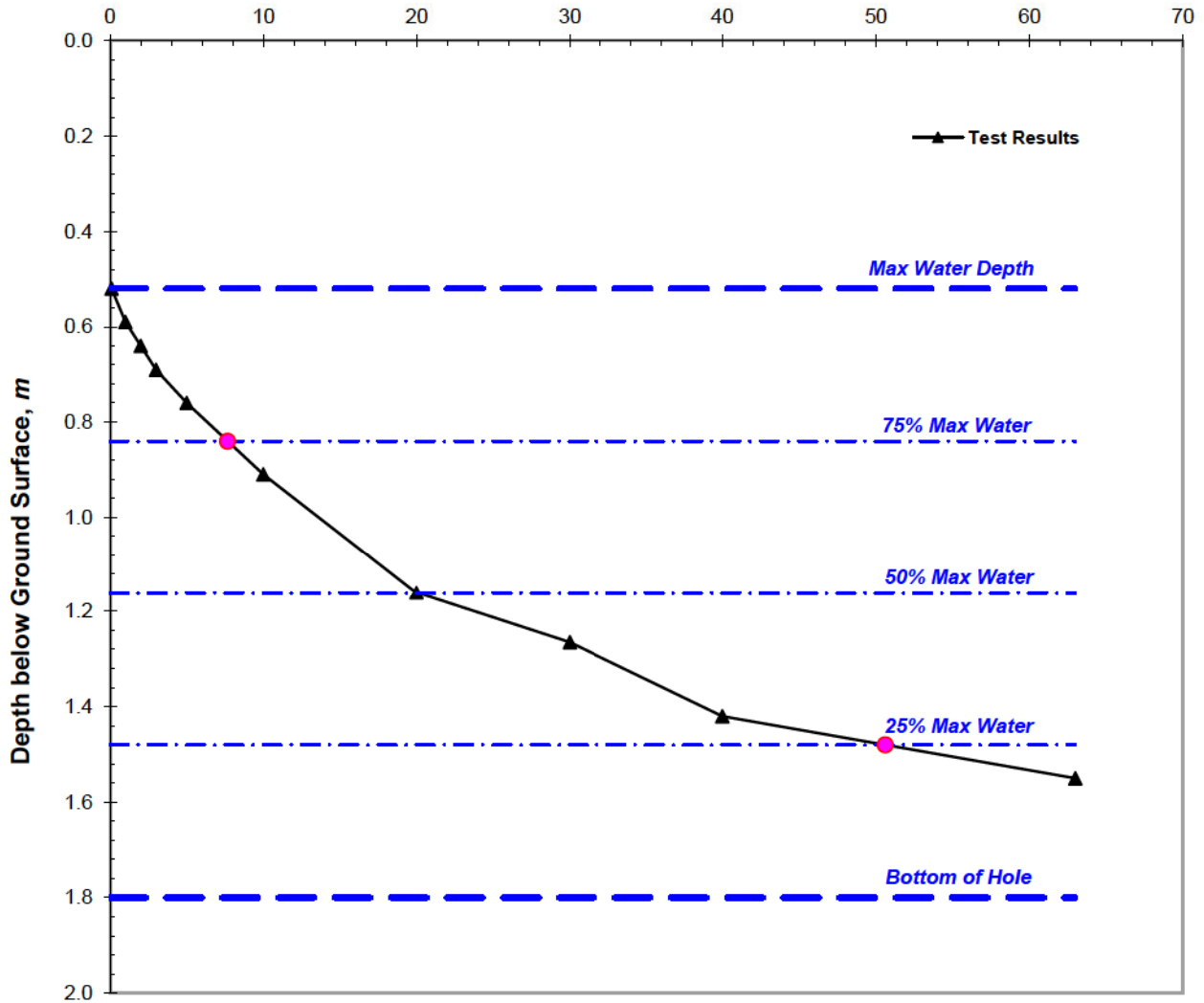
Water level did not fall to 75% max water depth, calculations were based on actual fall of water level achieved.
 Result not compliant with BRE365 requirement since water did not fall to 25% max water depth.

Client: KD Attwood & Partners	Job No: J13752	Test Date: 11/Sep/2018
Site: Land off Shawstead Road, Hale, ME5	Tested By: OS/GC	Engineer: JMW Fig. S15

BRE Digest 365 Soakage Test

Test Hole No: TP7
 Test No: Test No 1 (Initial)

Time from Filling to Maximum Water Depth, *minute*



Pit Length, m	2.100	Depth to Water at Start of Test, m	0.520
Pit Width, m	0.650	Max Water Dropdown during Test, m	1.030
Depth to Pit Base, m	1.800	Total Soakage Test Time, min	63.0
Depth to Top of Permeable Soils, m		Mean Internal Discharge Area, m ²	4.885
Depth to Groundwater Surface, m		Discharge Rate, litre/min	20.341
Depth to Top of Granular Fill, m		Soakage Rate, litre/m ² /min	4.16
Void Assumed for Granular Fill, %	100%	BRE Soil Infiltration Rate, m/sec	6.94E-05

Comments:

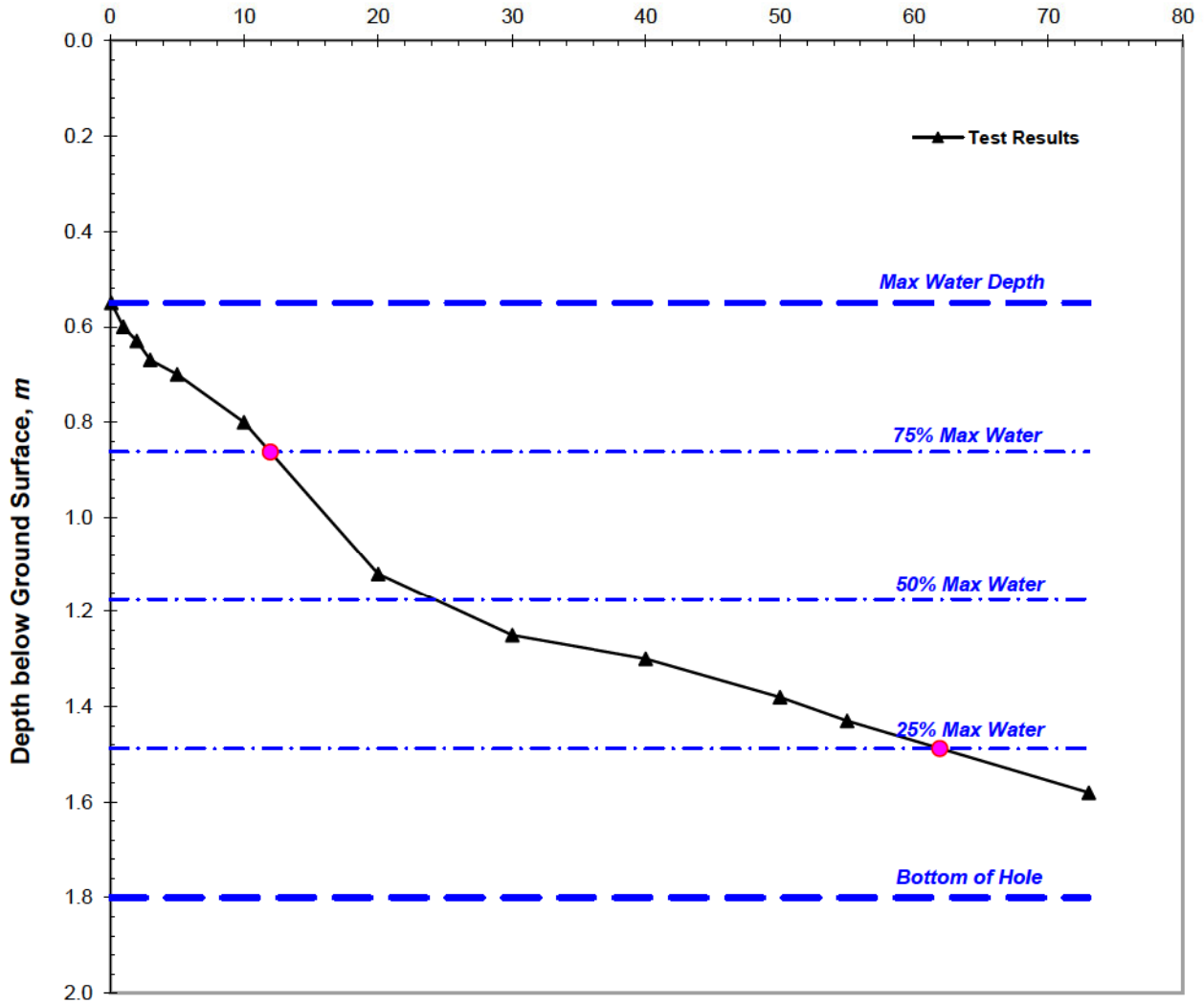
Pit was nearly emptied at finish of test.

Client: KD Attwood & Partners	Job No: J13752	Test Date: 11/Sep/2018
Site: Land off Shawstead Road, Hale, ME5	Tested By: OS/GC	Engineer: JMW Fig. S16

BRE Digest 365 Soakage Test

Test Hole No: TP7
Test No: Test No 2 (Repeated)

Time from Filling to Maximum Water Depth, *minute*



Pit Length, m	2.100	Depth to Water at Start of Test, m	0.550
Pit Width, m	0.650	Max Water Dropdown during Test, m	1.030
Depth to Pit Base, m	1.800	Total Soakage Test Time, min	73.0
Depth to Top of Permeable Soils, m		Mean Internal Discharge Area, m ²	4.803
Depth to Groundwater Surface, m		Discharge Rate, litre/min	17.081
Depth to Top of Granular Fill, m		Soakage Rate, litre/m ² /min	3.56
Void Assumed for Granular Fill, %	100%	BRE Soil Infiltration Rate, m/sec	5.93E-05

Comments:

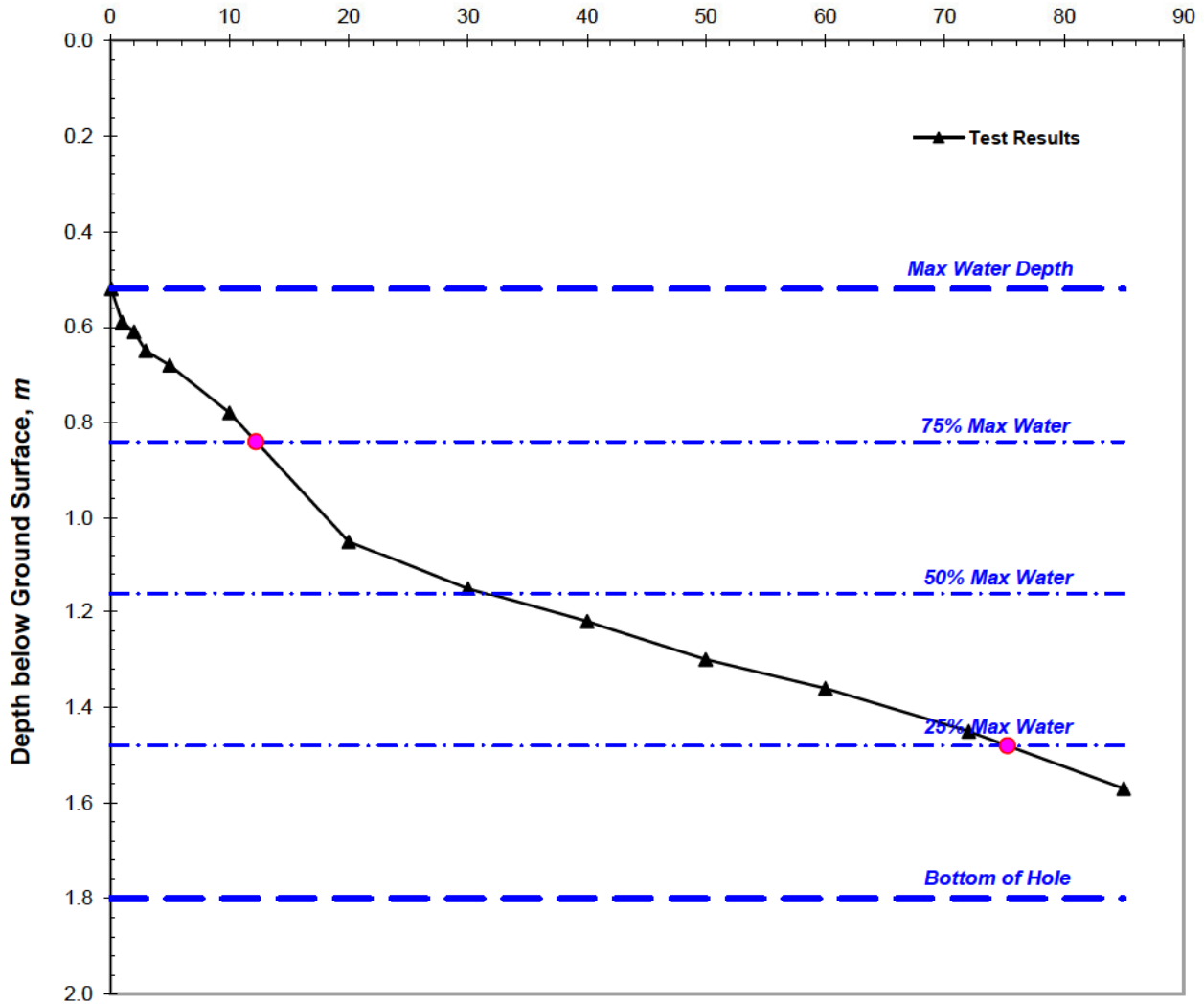
Pit was nearly emptied at finish of test.

Client: KD Attwood & Partners	Job No: J13752	Test Date: 11/Sep/2018
Site: Land off Shawstead Road, Hale, ME5	Tested By: OS/GC	Engineer: JMW Fig. S17

BRE Digest 365 Soakage Test

Test Hole No: TP7
 Test No: Test No 3 (Repeated)

Time from Filling to Maximum Water Depth, *minute*



Pit Length, m	2.100	Depth to Water at Start of Test, m	0.520
Pit Width, m	0.650	Max Water Dropdown during Test, m	1.050
Depth to Pit Base, m	1.800	Total Soakage Test Time, min	85.0
Depth to Top of Permeable Soils, m		Mean Internal Discharge Area, m ²	4.885
Depth to Groundwater Surface, m		Discharge Rate, litre/min	13.861
Depth to Top of Granular Fill, m		Soakage Rate, litre/m ² /min	2.84
Void Assumed for Granular Fill, %	100%	BRE Soil Infiltration Rate, m/sec	4.73E-05

Comments:

Pit was nearly emptied at finish of test.

Client: KD Attwood & Partners	Job No: J13752	Test Date: 11/Sep/2018
Site: Land off Shawstead Road, Hale, ME5	Tested By: OS/GC	Engineer: JMW Fig. S18

Constant rate and Variable head tests								
Client	K D Attwood & Partners			Project Eng.	JMW	Project No.:	J13752	
Project Name	Shawstead Road, Hale, ME5 7SG			Tested By	OS/GC	Checked By	JMW	
Borehole details								
BH No.	1	BH depth	10	Vol BH		Hole Vol above SWL		
Notes:								
Test Data								
Date of Test	Times		Volumes of water in litres			Soakage Rate l/min	Level water in Borehole m	Corrected Soakage Rate l/min
	Clock	Time from start	In bowser	In Hole	Used (diff)			
10/09/2018		0.1	2200					
		1	1800					
		2	1700					
		3	1500					
		4	1350					
		5	1250					
		6	1150					
		7	1000					
		8	850					
		9	700					
		10	600					
		11	550					
		12	400					
		13	350					
		14	300					
		15	300					
		17					6.61	
		18					6.98	
		19					7.15	
		20					7.32	
		22					7.68	
		24					8	
		26					8.17	
		31					8.28	
		39					8.53	
		44					8.78	

Constant rate and Variable head tests								
Client	K D Attwood & Partners			Project Eng.	JMW	Project No.:	J13752	
Project Name	Shawstead Road, Hale, ME5 7SG			Tested By	OS/GC	Checked By	JMW	
Borehole details								
BH No.	1	BH depth	15	Vol BH		Hole Vol above SWL		
Notes:								
Test Data								
Date of Test	Times		Volumes of water in litres			Soakage Rate l/min	Level water in Borehole m	Corrected Soakage Rate l/min
	Clock	Time from start	In bowser	In Hole	Used (diff)			
10/09/2018		0.1	2200					
		1	1800					
		2	1500					
		3	1300					
		4	950					
		5	750					
		6	400					
		7	100					
		7.15	0					
		8					9	
		9					10.04	
		11					10.47	
		12					10.55	
		13					10.62	
		14					10.7	
		15					10.95	
		16					11.59	
		17					12.11	
		18					12.6	
		19					13.09	
		20					13.35	
		21					13.55	
		22					13.7	
		25					14.2	

Constant rate and Variable head tests								
Client	K D Attwood & Partners			Project Eng.	JMW	Project No.:	J13752	
Project Name	Shawstead Road, Hale, ME5 7SG			Tested By	OS/GC	Checked By	JMW	
Borehole details								
BH No.	2	BH depth	8	Vol BH		Hole Vol above SWL		
Notes:								
Test Data								
Date of Test	Times		Volumes of water in litres			Soakage Rate l/min	Level water in Borehole m	Corrected Soakage Rate l/min
	Clock	Time from start	In bowser	In Hole	Used (diff)			
11/09/2018		0.1	2300					
		1	2000					
		2	1800					
		3	1650					
		4	1400					
		5	1200					
		6	1000					
		7	800					
		8	500					
		9	300					
		10	100					
		10.2	0					
		11					5.15	
		12					6.05	
		13					6.75	
		14					7.25	
		15					7.55	
		16					7.65	
		17					7.74	
		18					7.8	
		19					Dry	

Constant rate and Variable head tests								
Client	K D Attwood & Partners			Project Eng.	JMW	Project No.:	J13752	
Project Name	Shawstead Road, Hale, ME5 7SG			Tested By	OS/GC	Checked By	JMW	
Borehole details								
BH No.	2	BH depth	13	Vol BH		Hole Vol above SWL		
Notes:								
Test Data								
Date of Test	Times		Volumes of water in litres			Soakage Rate l/min	Level water in Borehole m	Corrected Soakage Rate l/min
	Clock	Time from start	In bowser	In Hole	Used (diff)			
11/09/2018		0.1	2200					
		1	1700					
		2	1200					
		3	550					
		3.5	0					
		4.2					9.37	
		4.5					9.98	
		6					10.48	
		7					10.63	
		8					11.38	
		9					11.64	
		10					11.9	
		11					12	
		12					12.22	
		13					12.36	
		14					12.55	
		15					12.58	
		16					12.63	
		17					12.71	
		18					12.79	
		19					12.88	
		20					Dry	

Constant rate and Variable head tests								
Client	K D Attwood & Partners			Project Eng.	JMW	Project No.:	J13752	
Project Name	Shawstead Road, Hale, ME5 7SG			Tested By	OS/GC	Checked By	JMW	
Borehole details								
BH No.	3	BH depth	15	Vol BH		Hole Vol above SWL		
Notes:								
Test Data								
Date of Test	Times		Volumes of water in litres			Soakage Rate l/min	Level water in Borehole m	Corrected Soakage Rate l/min
	Clock	Time from start	In bowser	In Hole	Used (diff)			
11/09/2018		0.1	2200					
		1	1700					
		2	1400					
		3	1100					
		4	800					
		5	500					
		6	300					
		7	0					
		8					6.6	
		9					8.7	
		10					10.83	
		11					12.19	
		12					13.38	
		15					14.9	

Constant rate and Variable head tests								
Client	K D Attwood & Partners			Project Eng.	JMW	Project No.:	J13752	
Project Name	Shawstead Road, Hale, ME5 7SG			Tested By	OS/GC	Checked By	JMW	
Borehole details								
BH No.	3	BH depth	20	Vol BH		Hole Vol above SWL		
Notes:								
Test Data								
Date of Test	Times		Volumes of water in litres			Soakage Rate l/min	Level water in Borehole m	Corrected Soakage Rate l/min
	Clock	Time from start	In bowser	In Hole	Used (diff)			
12/09/2018		0.1	2200					
		1	1600					
		2	1000					
		3	400					
		3.5	0					
		4					10.95	
		5					15.4	
		6					16.98	
		7					17.6	
		8					17.7	
		9					17.93	
		10					18.09	
		11					18.25	
		12					18.41	
		13					18.5	

Constant rate and Variable head tests								
Client	K D Attwood & Partners			Project Eng.	JMW	Project No.:	J13752	
Project Name	Shawstead Road, Hale, ME5 7SG			Tested By	OS/GC	Checked By	JMW	
Borehole details								
BH No.	4	BH depth	12	Vol BH		Hole Vol above SWL		
Notes:								
Test Data								
Date of Test	Times		Volumes of water in litres			Soakage Rate l/min	Level water in Borehole m	Corrected Soakage Rate l/min
	Clock	Time from start	In bowser	In Hole	Used (diff)			
12/09/2018		0.1	2200					
		1	1950					
		2	1900					
		3	1600					
		4	1500					
		5	1400					
		6	1350					
		7	1300					
		8	1200					
		9	1150					
		10	1100					
		11	1000					
		12	950					
		13	900					
		14	850					
		15	800					
		16	750					
		17	700					
		18	600					
		19	550					
		20	500					
		21					3.68	
		26					6.34	
		31					6.98	
		36					8.29	
		50					9.1	
		65					10.4	

Constant rate and Variable head tests								
Client	K D Attwood & Partners			Project Eng.	JMW	Project No.:	J13752	
Project Name	Shawstead Road, Hale, ME5 7SG			Tested By	OS/GC	Checked By	JMW	
Borehole details								
BH No.	4	BH depth	17	Vol BH		Hole Vol above SWL		
Notes:								
Test Data								
Date of Test	Times		Volumes of water in litres			Soakage Rate l/min	Level water in Borehole m	Corrected Soakage Rate l/min
	Clock	Time from start	In bowser	In Hole	Used (diff)			
12/09/2018		0.1	2200					
		1	1700					
		2	1500					
		3	1300					
		4	1100					
		5	900					
		6	700					
		7	550					
		8	450					
		9	250					
		10	100					
		10.2	0					
		11					7.9	
		12					8.92	
		13					11	
		14					11.58	
		15					12.15	
		20					13.96	
		25					14.95	
		30					15.8	
		37					Dry	

Constant rate and Variable head tests								
Client	K D Attwood & Partners			Project Eng.	JMW	Project No.:	J13752	
Project Name	Shawstead Road, Hale, ME5 7SG			Tested By	OS/GC	Checked By	JMW	
Borehole details								
BH No.	5	BH depth	10m	Vol BH		Hole Vol above SWL		
Notes:								
Test Data								
Date of Test	Times		Volumes of water in litres			Soakage Rate l/min	Level water in Borehole m	Corrected Soakage Rate l/min
	Clock	Time from start	In bowser	In Hole	Used (diff)			
12/09/2018		0.1	2200					
		1	2100					
		2	2050					
		3	2000					
		4	2000					
		5	1900					
		6	1850					
		7	1800					
		8	1700					
		9	1650					
		10	1550					
		11	1500					
		12	1400					
		13	1300					
		14	1200					
		15	1150					
		20	950					
		25	600					
		28					2.9	
		29					3.32	
		30					3.6	
		31					3.91	
		32					4.1	
		37					4.33	
		47					4.45	

Constant rate and Variable head tests								
Client	K D Attwood & Partners			Project Eng.	JMW	Project No.:	J13752	
Project Name	Shawstead Road, Hale, ME5 7SG			Tested By	OS/GC	Checked By	JMW	
Borehole details								
BH No.	5	BH depth	15	Vol BH		Hole Vol above SWL		
Notes:								
Test Data								
Date of Test	Times		Volumes of water in litres			Soakage Rate l/min	Level water in Borehole m	Corrected Soakage Rate l/min
	Clock	Time from start	In bowser	In Hole	Used (diff)			
13/09/2018		0	2200					
		1	2100					
		2	2050					
		3	2000					
		4	2000					
		4.5	1900					
		5					6.65	
		6					9.1	
		7					9.23	
		8					9.45	
		9					9.7	
		10					9.88	
		11					9.96	
		12					10.03	
		13					10.12	
		14					10.2	
		15					10.28	

APPENDIX C

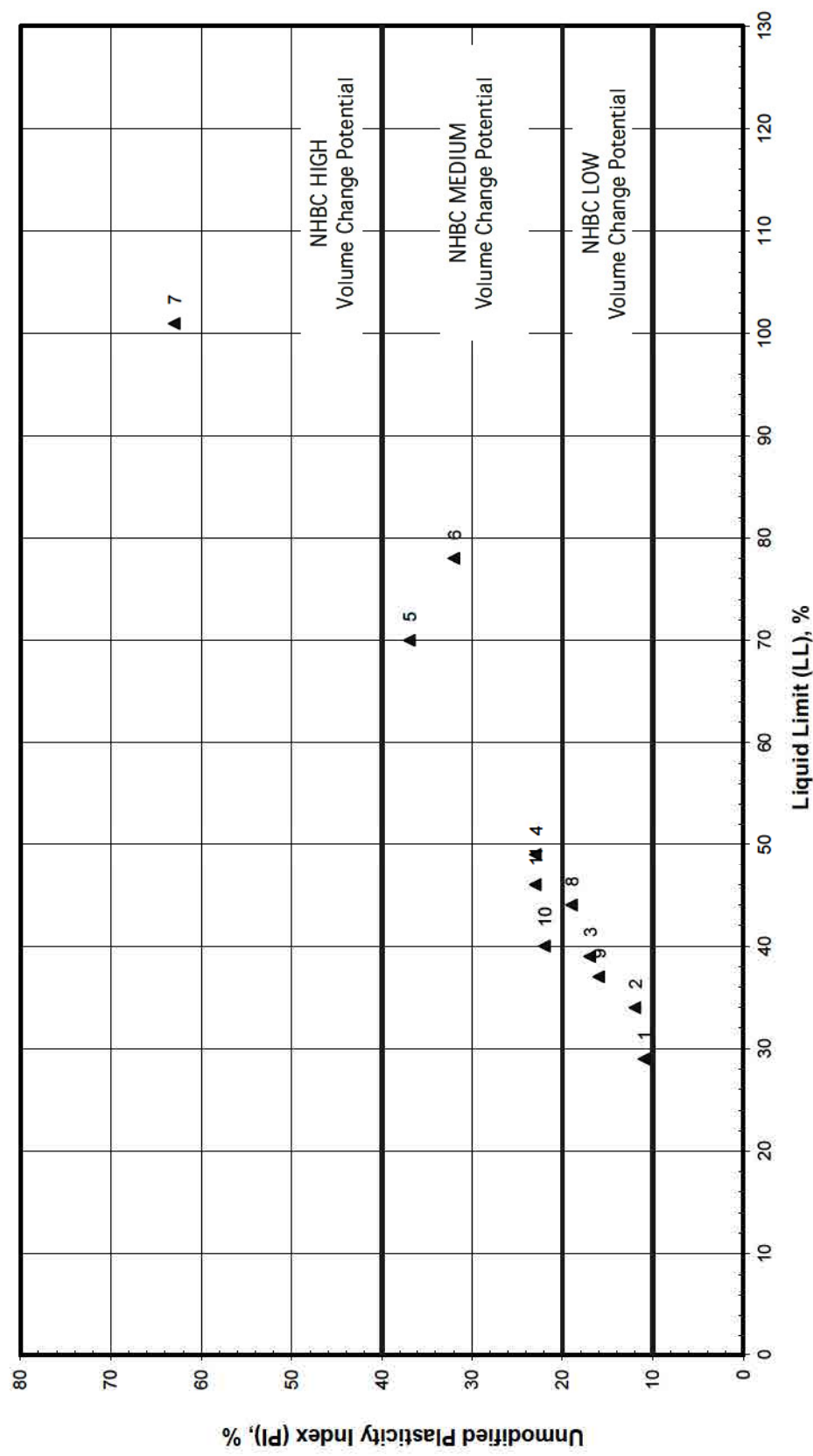
Geotechnical Laboratory Test References & Results

NHBC Classification for Volume Change Potential

Project Name Land off Shawstead Road, Hale	Project Number J13752
Client Name K D Attwood & Partners	Date Issued 02-Oct-18
PE	JMW

Key

No.	TH No.	Depth
1	BH1	2.00
2	BH3	2.00
3	TP1	1.60
4	TP4	1.00
5	TP5	1.20
6	TP5	1.80
7	TP6	0.80
8	WLS1	0.50
9	WLS2	1.00
10	WLS3	1.00
11	WLS5	1.40



Liquid Limit		Plastic Limit		Unmodified Plasticity Index	
Maximum Value	101	Maximum Value	46	Maximum Value	63
Minimum Value	29	Minimum Value	18	Minimum Value	11
Average Value	52	Average Value	27	Average Value	25