

Site : ISG Hough End

Client : ISG PLC

Engineer : LKC

Job Number

LKC 20 1488

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Location	Date	Level	Location
SA103	18/10/2021		

Pit Width (m)	0.60
Pit Depth (m)	1.50
Pit Length (m)	1.90

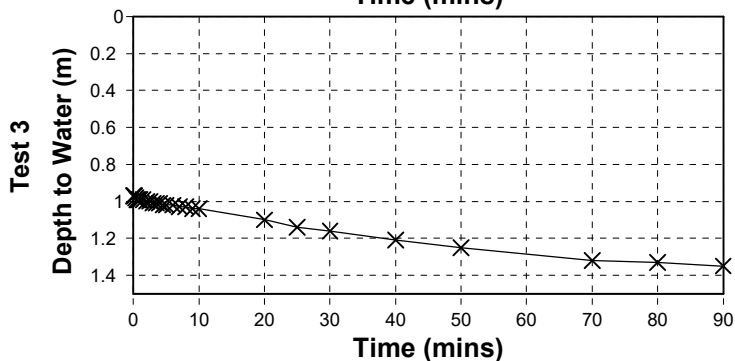
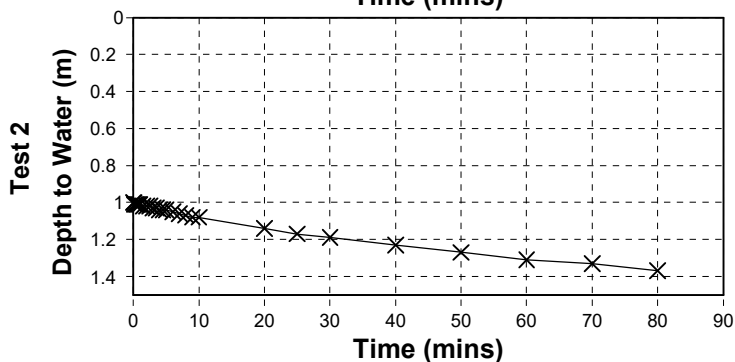
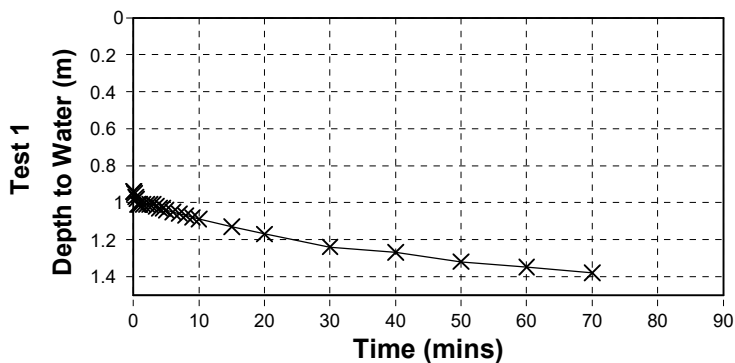
Soil type at test level	Gravelly SAND
Groundwater	1.50 m
Drain discharge depth	1.5
Sidewall stability	Collapsing at 1.3mbgl
Stone filled or open pit	Stone filled

	1	2	3
Effective depth (m)	0.56	0.47	0.48
Volume outflowing between 75% & 25% (m3)*	0.10	0.08	0.08
Mean surface area through which outflow occurs (m2)	2.54	2.32	2.34
Time for outflow between 75% & 25% (min)	54.33	59.38	61.67
SOIL INFILTRATION RATE (ms-1), f	1.16E-5	9.72E-6	9.48E-6

Remarks

* Volume outflowing reduced to account for granular backfill used during testing (30 % of free volume assumed).

Elapsed time (mins)	Depth to Water Test 1	Depth to Water Test 2	Depth to Water Test 3
0	0.94	1.00	0.97
0.083	0.94	1.00	0.97
0.167	0.95	1.01	0.97
0.333	0.97	1.01	0.98
0.5	0.98	1.01	0.99
0.667	1.01	1.01	0.99
0.833	1.01	1.01	0.99
1	1.01	1.01	0.99
1.5	1.01	1.02	0.99
2	1.01	1.02	1.00
2.5	1.01	1.02	1.00
3	1.01	1.03	1.01
3.5	1.02	1.03	1.01
4	1.03	1.04	1.01
4.5	1.03	1.04	1.02
5	1.04	1.04	1.02
6	1.05	1.05	1.02
7	1.06	1.06	1.03
8	1.07	1.07	1.03
9	1.08	1.08	1.04
10	1.09	1.08	1.04
15	1.13		
20	1.17	1.14	1.10
25		1.17	1.14
30	1.24	1.19	1.16
40	1.27	1.23	1.21
50	1.32	1.27	1.25
60	1.35	1.31	
70	1.38	1.33	1.32
80		1.37	1.33
90			1.35



Site : ISG Hough End

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Location	Date	Level	Location
SA104	18/10/2021		

Pit Width (m)	0.60
Pit Depth (m)	1.50
Pit Length (m)	1.90

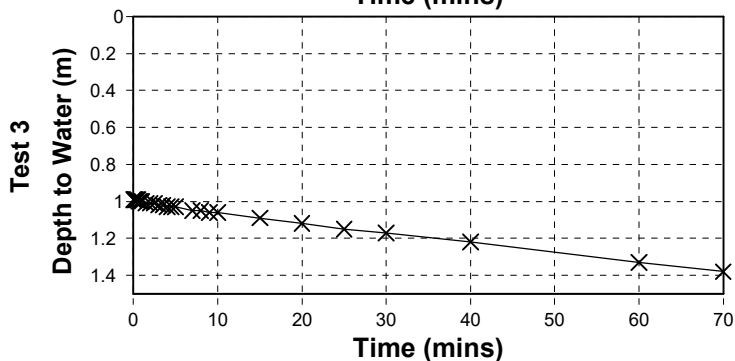
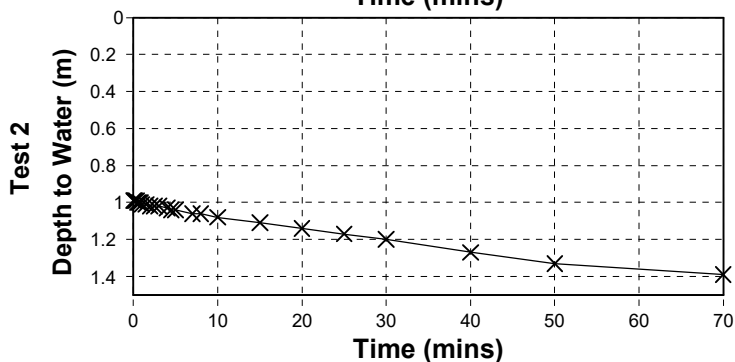
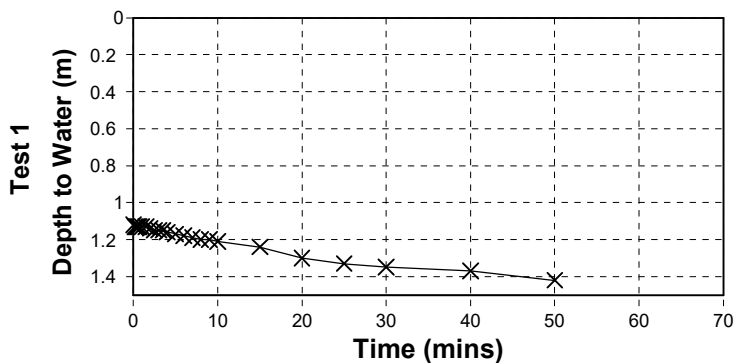
Soil type at test level	SAND
Groundwater	Dry
Drain discharge depth	1.5
Sidewall stability	Collapsing
Stone filled or open pit	Stone filled

	1	2	3
Effective depth (m)	0.38	0.48	0.51
Volume outflowing between 75% & 25% (m3)*	0.06	0.08	0.09
Mean surface area through which outflow occurs (m2)	2.09	2.34	2.42
Time for outflow between 75% & 25% (min)	36.17	41.67	48.92
SOIL INFILTRATION RATE (ms-1), f	1.43E-5	1.40E-5	1.23E-5

Remarks

* Volume outflowing reduced to account for granular backfill used during testing (30 % of free volume assumed).

Elapsed time (mins)	Depth to Water Test 1	Depth to Water Test 2	Depth to Water Test 3
0	1.12	0.99	0.99
0.083		0.99	0.99
0.167	1.13	0.99	0.99
0.333	1.13	0.99	0.99
0.5	1.13	1.00	0.99
0.667	1.13	1.00	1.00
0.833		1.00	1.00
1	1.13	1.01	1.00
1.5	1.13	1.01	1.01
2	1.14	1.02	1.01
2.5	1.15	1.02	1.01
3	1.15	1.02	1.02
3.5	1.15		1.02
4	1.16	1.03	1.03
4.5		1.04	1.03
5	1.17	1.04	1.03
6	1.18		
7	1.19	1.06	1.05
8	1.20	1.06	1.05
9	1.20		1.06
10	1.21	1.08	1.06
15	1.24	1.11	1.09
20	1.30	1.14	1.12
25	1.33	1.17	1.15
30	1.35	1.20	1.17
40	1.37	1.27	1.22
50	1.42	1.33	
60			1.33
70		1.39	1.38



Site : ISG Hough End

Client : ISG PLC

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Job Number

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Location	Date	Level	Location
SA105	18/10/2021		

Pit Width (m)	0.60
Pit Depth (m)	1.50
Pit Length (m)	1.80

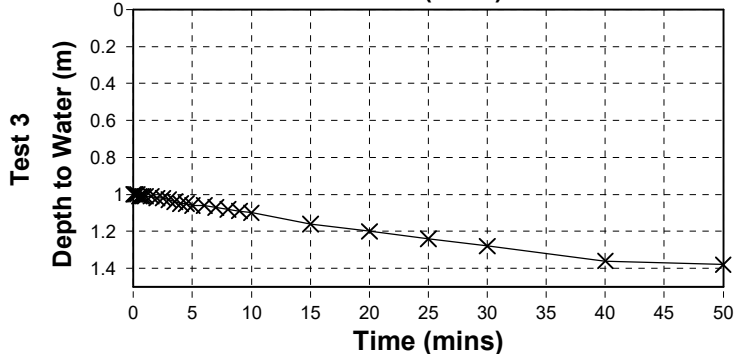
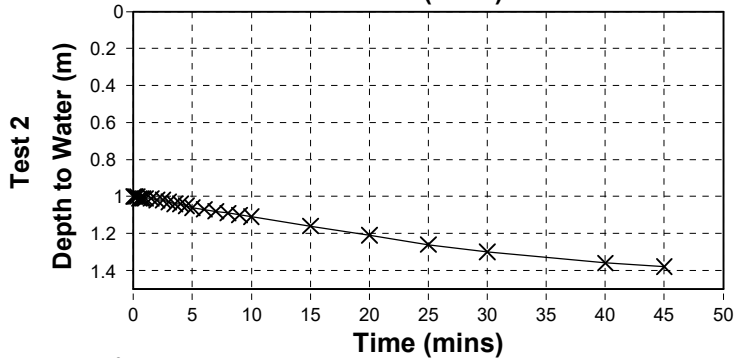
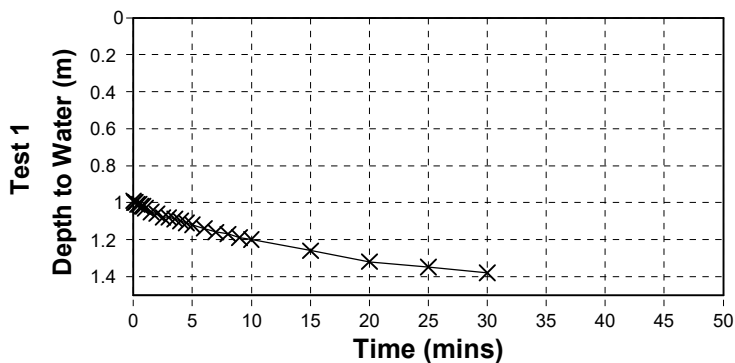
Soil type at test level	SAND
Groundwater	Dry
Drain discharge depth	1.5
Sidewall stability	Stable
Stone filled or open pit	Stone filled

	1	2	3
Effective depth (m)	0.51	0.40	0.40
Volume outflowing between 75% & 25% (m3)*	0.08	0.06	0.06
Mean surface area through which outflow occurs (m2)	2.30	2.04	2.04
Time for outflow between 75% & 25% (min)	23.87	21.00	22.50
SOIL INFILTRATION RATE (ms-1), f	2.51E-5	2.52E-5	2.35E-5

Remarks

* Volume outflowing reduced to account for granular backfill used during testing (30 % of free volume assumed).

Elapsed time (mins)	Depth to Water Test 1	Depth to Water Test 2	Depth to Water Test 3
0	0.99	1.00	1.00
0.083	1.00	1.00	1.00
0.167	1.00	1.00	1.00
0.333	1.01	1.00	1.00
0.5	1.01	1.01	1.01
0.667	1.02	1.01	1.01
0.833	1.02	1.01	1.01
1	1.03	1.01	1.01
1.5	1.05	1.01	1.01
2	1.06	1.02	1.02
2.5	1.08	1.02	1.02
3	1.08	1.03	1.03
3.5	1.09	1.04	1.04
4	1.10	1.04	1.05
4.5	1.11	1.05	1.05
5	1.12	1.06	1.06
6	1.14	1.07	1.06
7	1.16	1.08	1.07
8	1.17	1.09	1.08
9	1.19	1.10	1.09
10	1.20	1.11	1.10
15	1.26	1.16	1.16
20	1.32	1.21	1.20
25	1.35	1.26	1.24
30	1.38	1.30	1.28
40		1.36	1.36
45		1.38	
50			1.38





KEY

-  Investigation Area Boundary
-  Soakaway Test (SA)

Sampling Locations and features annotated by LK Consult Ltd are approximate and are based upon observed measurements unless otherwise stated. Do not scale from this drawing and work from marked dimensions only. All dimensions and features should be confirmed on site by the Contractor. Where this drawing includes information provided to LK Consult Ltd by others, LK Consult Ltd gives no warranty, representation or assurance as to the accuracy of such information.



Client:		ISG	
Site:		Hough End Leisure Centre, Manchester	
Title:		Soakaway Location Plan	
Job No.:	LKC 20 1488	Scale (See Scale Bar):	See Scale Bar
Drawn By:	AC	Checked By:	RP
		Drawn:	Oct 2021
		Figure:	3
		Revision:	

Extract from: Google Earth
Drawing Ref: Hough End, Manchester, M20 1HP