Specialists in the investigation & reclamation of brownfield sites

APPENDIX C - INFILTRATION TEST RESULTS AND CALCULATIONS

SOAKAGE TEST RECORD

Client	Odyssey Health Clubs	**Ground Level**		**Trial Pit Nr**	STP1
Site	Odyssey Health Club, Stevenage	**Nat Grid Co-ord**		**Project Nr**	P1231J1239
Test Date	03/11/2017	**Engineer**			

JOMAS
Specialists in the investigation & reclamation of brownfield sites

Pit Dimensions

Length - L (m): 1.70

Width - W (m): 0.45

Depth - D (m): 2.40

Ground Conditions

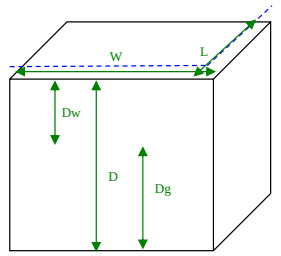
0.00 - 0.25 Sandy silty gravelly clay (MADE GROUND)

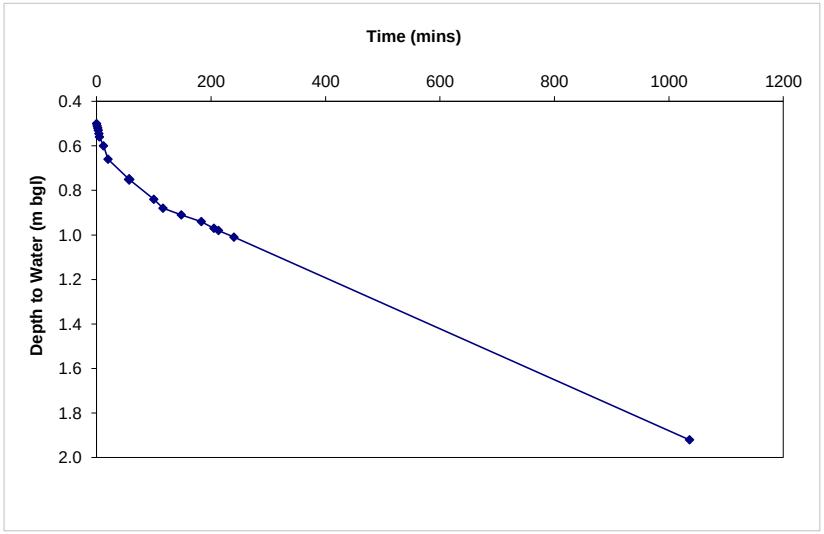
0.25 - 1.8 Clayey gravelly SAND

1.8 - 2.4 Mottled CLAY

	TEST 1		TEST 2		TEST 3	
Elapsed time	**Depth to Water**	**Height of Water**	**Depth to Water**	**Height of Water**	**Depth to Water**	**Height of Water**
Minutes	**(Dw) mbgl**	**(Dg) m**	**(Dw) mbgl**	**(Dg) m**	**(Dw) mbgl**	**(Dg) m**
0	0.5	1.90				
1	0.51	1.89				
2	0.52	1.88				
3	0.53	1.87				
4	0.55	0.93				
5	0.56	1.84				
12	0.60	1.80				
20	0.66	1.74				
57	0.75	1.65				
100	0.84	1.56				
116	0.88	1.52				
148	0.91	1.49				
183	0.94	1.46				
205	0.97	1.43	result interpolated			
213	0.98	1.42				
240	1.01	1.39				
1036	1.92	0.48	result extrapolated			

	TEST 1	TEST 2	TEST 3
75%	1.43		
25%	0.48		
50%	0.95		
Vp75-25 (m^3)	0.72675		
ap50 (m^2)	4.85		
tp75-25 (min)	37		
Soil infiltration rate (m/sec)	**6.71E-05**		





Water Depths - strike(s): None encountered

Type of Excavator: JCB 3cx

Remarks: Only one test could be carried out in the time available

Approved By: RS

SOAKAGE TEST RECORD

Client	Odyssey Health Clubs	**Ground Level**		**Trial Pit Nr**	STP2
Site	Odyssey Health Club, Stevenage	**Nat Grid Co-ord**		**Project Nr**	P1231J1239
Test Date	03/11/2017	**Engineer**			

JOMAS
Specialists in the investigation & reclamation of brownfield sites

Pit Dimensions

Length - L (m): 1.50

Width - W (m): 0.45

Depth - D (m): 1.40

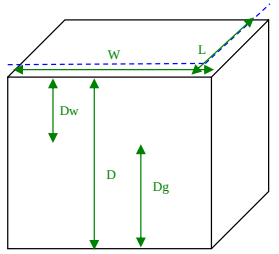
Ground Conditions

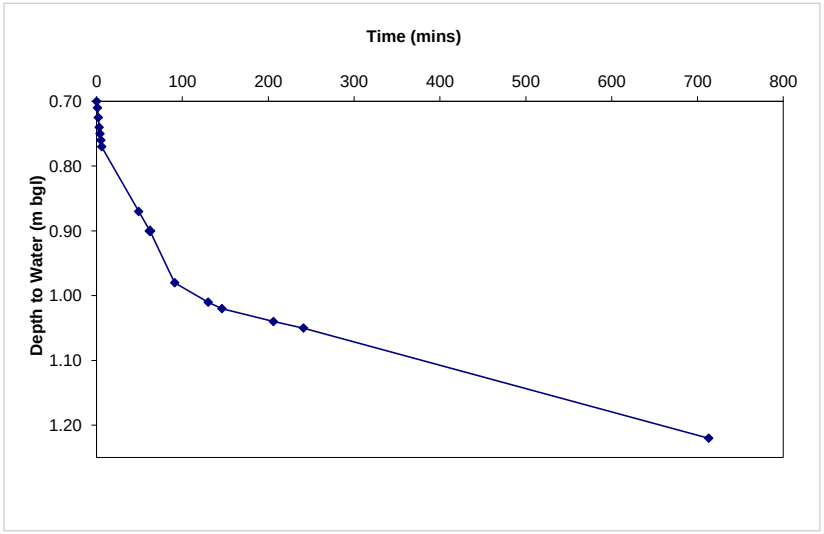
0.00 - 1.1 clayey gravelly sand (MADE GROUND)

1.1 - 1.4 stiff sandy CLAY

	TEST 1		TEST 2		TEST 3	
Elapsed time	**Depth to Water**	**Height of Water**	**Depth to Water**	**Height of Water**	**Depth to Water**	**Height of Water**
Minutes	**(Dw) mbgl**	**(Dg) m**	**(Dw) mbgl**	**(Dg) m**	**(Dw) mbgl**	**(Dg) m**
0	0.7	0.70				
1	0.71	0.69				
2	0.73	0.68				
3	0.74	0.66				
4	0.75	0.93				
5	0.76	0.64				
6	0.77	0.63				
49	0.87	0.53	result interpolated			
62	0.90	0.50				
91	0.98	0.42				
130	1.01	0.39				
146	1.02	0.38				
206	1.04	0.36				
241	1.05	0.35				
713	1.22	0.18	result extrapolated			

	TEST 1	TEST 2	TEST 3
75%	0.53		
25%	0.18		
50%	0.35		
Vp75-25 (m^3)	0.23625		
ap50 (m^2)	2.04		
tp75-25 (min)	664		
Soil infiltration rate (m/sec)	**2.91E-06**		





Water Depths - strike(s): None encountered

Type of Excavator: JCB 3cx

Remarks: Only one test could be carried out in the time available

Approved By: RS

JOMAS ASSOCIATES LTD
T: 0843 289 2187

Project Name	Odyssey Health Club, SG2 8DU	**Client**	Odyssey Health Clubs
Project No.	P1231J1239	**Date**	26th October 2017
Title	Soil Infiltration Test Pit Location Plan	**Prepared By**	SRC

