

GeoAssist Limited	Site:	Development at Baytree Lane, Middleton	
	Job Ref:	6143 VBL	TP1
	Originator:	MB	
	Checked:	MR	
	Date:	14/02/2024	

Easting 388548.657 Northing 406027.68 Level (mAOD) 104.68

Test Pit Dimensions (m)
Inlet Pipe Invert Level (m) 5 Assumed

Width (m)	Length (m)	Depth (m)	Volume (m ³)	Effective Depth (m)	
0.6	1.7	2	2.04	1.5	

Test Results
Test Start Date: 07/02/2024

Principal Material Type
Orange silty SAND with gravel

Date	Time (mins)	TEST 1 Depth Below Surface (m)	Date	Time (mins)	TEST 2 Depth Below Surface (m)	Date	Time (mins)	TEST 3 Depth Below Surface (m)
07.02.24 11:35	0	0.78	08.02.24 09:21	0	0.79	09.02.24 09:37	0	0.79
07.02.24 11:36	0	0.81	08.02.24 09:22	1	0.8	09.02.24 09:38	1	0.8
07.02.24 11:40	4	0.83	08.02.24 09:26	5	0.82	09.02.24 09:42	5	0.81
07.02.24 11:45	10	0.86	08.02.24 09:31	10	0.84	09.02.24 09:47	10	0.83
07.02.24 11:55	20	0.92	08.02.24 09:41	20	0.87	09.02.24 09:57	20	0.85
07.02.24 12:05	29	0.98	08.02.24 09:51	30	0.89	09.02.24 10:07	30	0.87
07.02.24 12:35	59	1.04	08.02.24 10:21	60	0.95	09.02.24 10:37	60	0.92
07.02.24 13:35	119	1.17	08.02.24 11:21	120	1.06	09.02.24 11:37	120	1
07.02.24 14:35	180	1.25	08.02.24 14:21	300	1.25	09.02.24 15:37	360	1.21
08.02.24 09:15	1299	1.74	09.02.24 09:16	1435	1.59			

Calculations

Effective Depth (m)			$a s_{50}$	3.45 m ²
75%	0.88	0.675	V_{p75-25}	0.765 m ³
25%	1.63	1.225	a_{p50}	4.47 m ²
50%	1.25		t_{p75-25}	114000 seconds (projected)

Soil Infiltration Rate *f* from Test 3 1.5E-06 m/sec

Notes:

Results of Field Observations 6143 VBL TP1 Soakaway Test 7th, 8th & 9th Feb 2024

