



Earth Environmental & Geotechnical Ltd

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SOAKAWAY TEST

(To: BRE 365 1991)

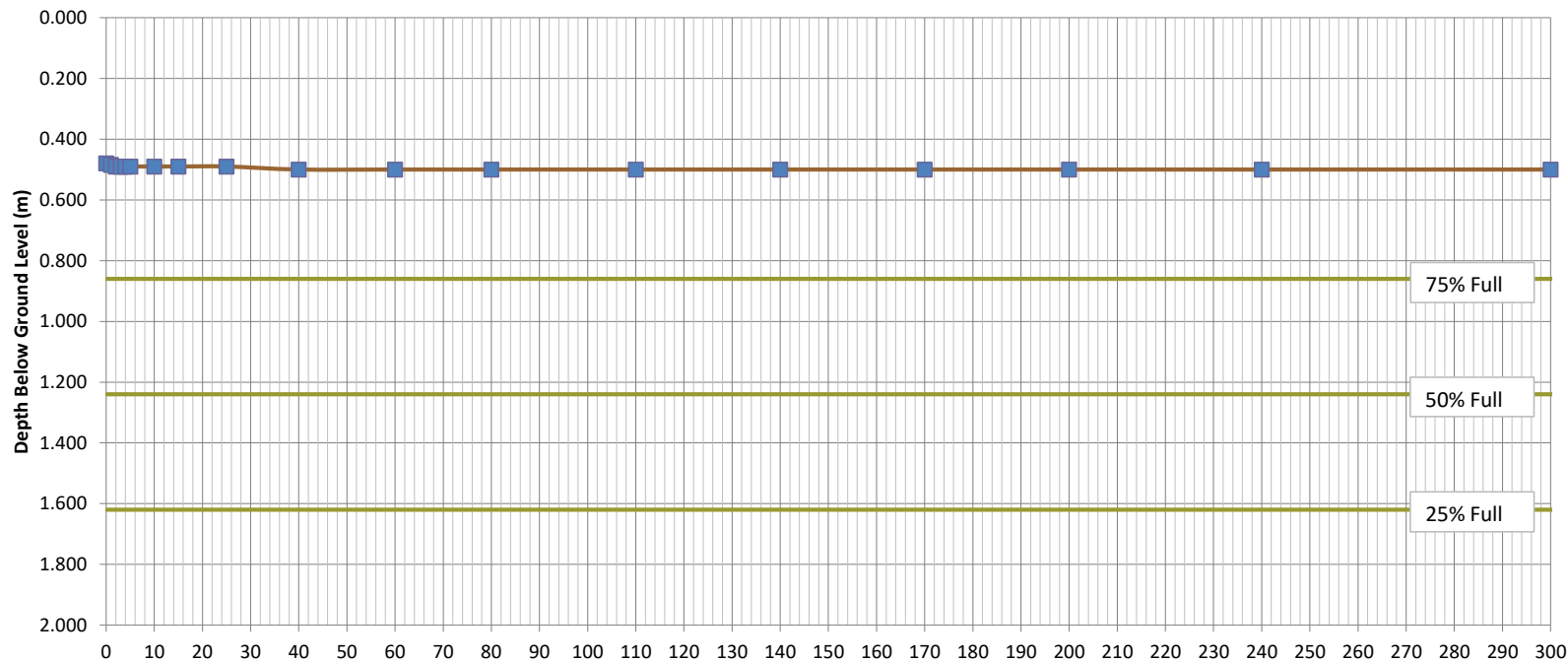
Job No: A4506
Site: Mount Road, Gorton
Client: Ozma Khan

Location Reference:
Date
Geology in test section
Depth to Base of Hole
Effective Depth
Hole width
Hole length
Depth to water at start of test below ground level
Depth to water at end of test below ground level
Effective storage depth to 75% full
(Depth below GL)
Effective storage depth to 50% full
(Depth below GL)
Effective storage depth to 25% full
(Depth below GL)
Height to 50% depth
Effective Storage Volume Vp75-25
Time tp25 at which water is 75% of effective depth (minutes)
Time tp25 at which water is 25% of effective depth (minutes)
Time for water level to fall between Vp75 -25
Time for water level to fall between Vp75 -25
Internal surface area of hole up to 50% depth including base
Soil Infiltration Rate, f

SA1	
31/08/2022	
Topsoil & Clay	
2.00	m
1.52	m
0.72	m
1.80	m
0.48	m
0.50	m
1.14	m
0.86	m
0.76	m
1.24	m
0.38	m
1.62	m
0.76	m3
0.98	m3
Infiltration too slow to calculate	mins
	mins
	mins
	secs
	m2
	m/s

Assumes pit is not filled

Time Elapsed (mins)	Depth of Water below GL (m)
0	0.480
1	0.485
2	0.490
3	0.490
4	0.490
5	0.490
10	0.490
15	0.490
25	0.490
40	0.500
60	0.500
80	0.500
110	0.500
140	0.500
170	0.500
200	0.500
240	0.500
300	0.500





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(Depth below GL)
Effective storage depth to 50% full
(Depth below GL)
Effective storage depth to 25% full
(Depth below GL)
Height to 50% depth
Effective Storage Volume Vp75-25
Time tp25 at which water is 75% of effective depth (minutes)
Time tp25 at which water is 25% of effective depth (minutes)
Time for water level to fall between Vp75 -25
Time for water level to fall between Vp75 -25
Internal surface area of hole up to 50% depth including base
Soil Infiltration Rate, f

SA2	
31/08/2022	
Topsoil & Clay	
2.00	m
1.69	m
0.75	m
2.40	m
0.31	m
0.325	m
1.27	m
0.73	m
0.85	m
1.16	m
0.42	m
1.58	m
0.845	m3
1.52	m3
Infiltration too slow to calculate	mins
	mins
	mins
	secs
	m2
	m/s

Assumes pit is not filled

Time Elapsed (mins)	Depth of Water below GL (m)
0	0.310
1	0.310
2	0.310
3	0.315
4	0.315
5	0.315
10	0.320
15	0.320
25	0.320
40	0.320
60	0.325
80	0.325
110	0.325
140	0.325
170	0.325
200	0.325
240	0.325
300	0.325

