

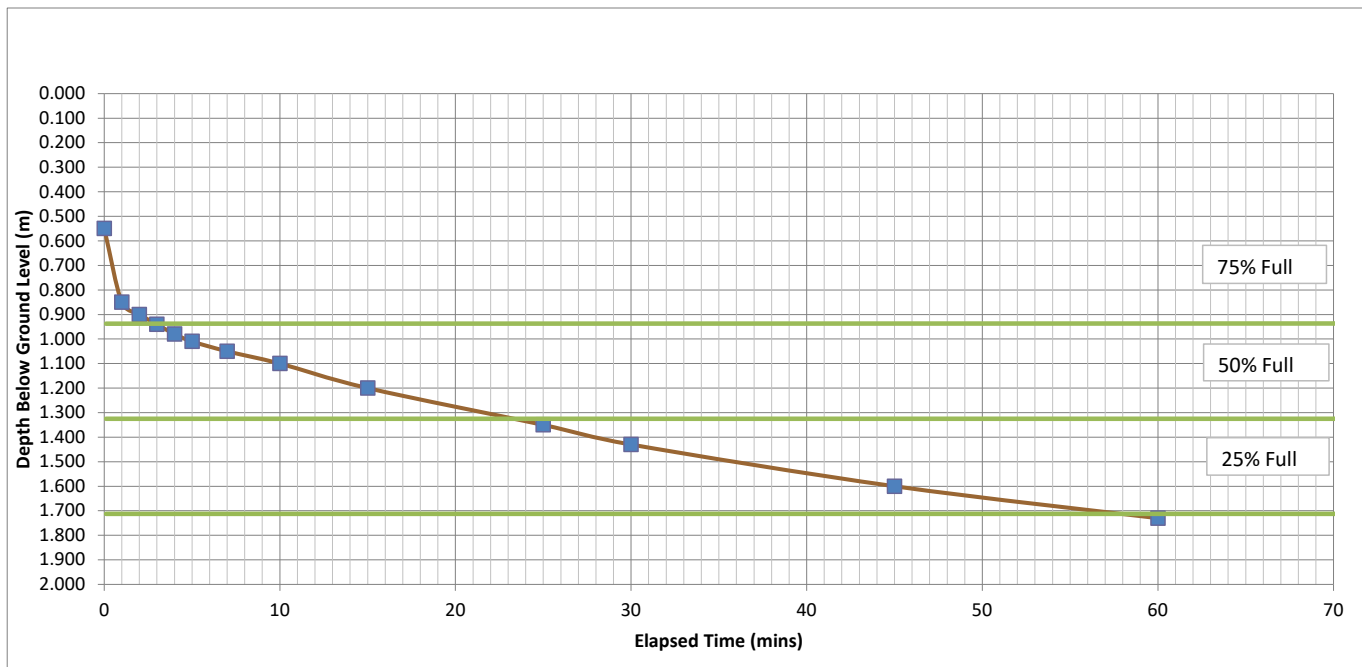


SOAKAWAY TEST

Job No:	A2352
Site:	Ruabon Park
Client:	SWF Consulting Ltd

[illegible]

☐ Assumes pit is not filled





SOAKAWAY TEST

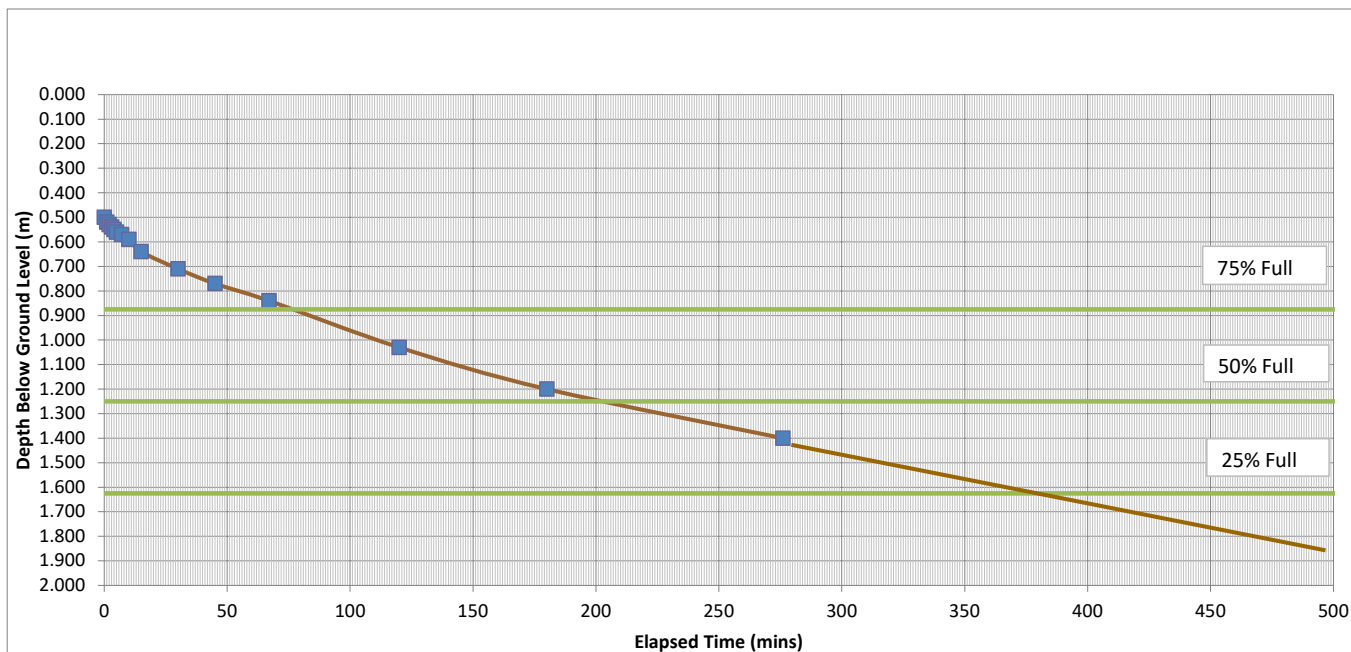
(To: BRE 365 1991)

Job No:	A2352
Site:	Ruabon Park
Client:	SWF Consulting Ltd

[illegible]

Location Reference:	TPD	
Date	16/01/2018	
Geology in test section	Sand and Gravel	
Depth to Base of Hole	2	m
Effective Depth	1.5	m
Hole width	0.7	m
Hole length	1.9	m
Depth to water at start of test below ground level	0.5	m
Depth to water at end of test below ground level	1.40	m
Effective storage depth to 75% full	1.13	m
(Depth below GL)	0.88	m
Effective storage depth to 50% full	0.75	m
(Depth below GL)	1.25	m
Effective storage depth to 25% full	0.38	m
(Depth below GL)	1.63	m
Height to 50% depth	0.750	m3
Effective Storage Volume Vp75-25	1.00	m3
Time tp25 at whivh water is 75% of effective depth (minutes)	70.00	mins
Time tp25 at whivh water is 25% of effective depth (minutes)	385.00	mins
Time for water level to fall between Vp75 -25	315	mins
Time for water level to fall between Vp75 -25	18900	secs
Internal surface area of hole up to 50% depth including base	5.23	m2
Soil Infiltration Rate, f	1.01E-05	m/s

Assumes pit is not filled





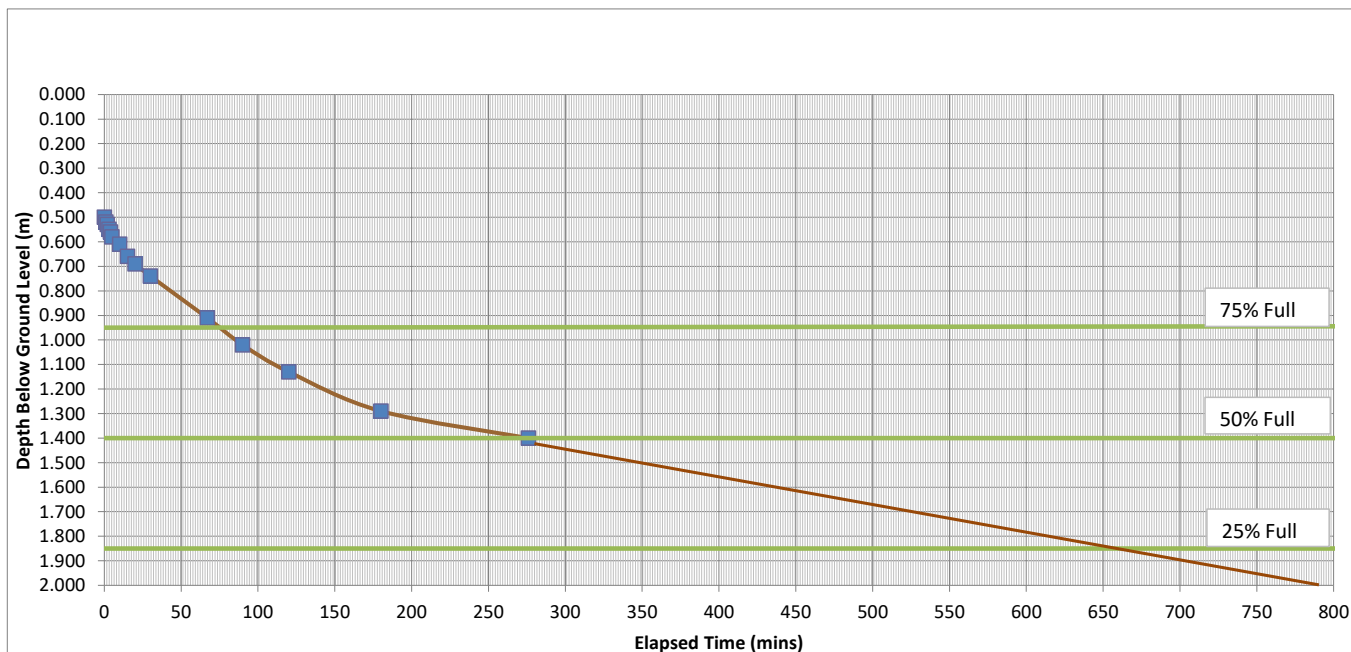
SOAKAWAY TEST

(To: BRE 365 1991)

Job No:	A2352
Site:	Ruabon Park
Client:	SWF Consulting Ltd

TPG	
16/01/2018	
Sand and Gravel	
2.3	m
1.8	m
0.7	m
1.8	m
0.5	m
1.40	m
1.35	m
0.95	m
0.90	m
1.40	m
0.45	m
1.85	m
0.900	m3
1.13	m3
76.00	mins
660.00	mins
584	mins
35040	secs
5.76	m2
5.62E-06	m/s

Assumes pit is not filled

[illegible]



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SOAKAWAY TEST

(To: BRE 365 1991)

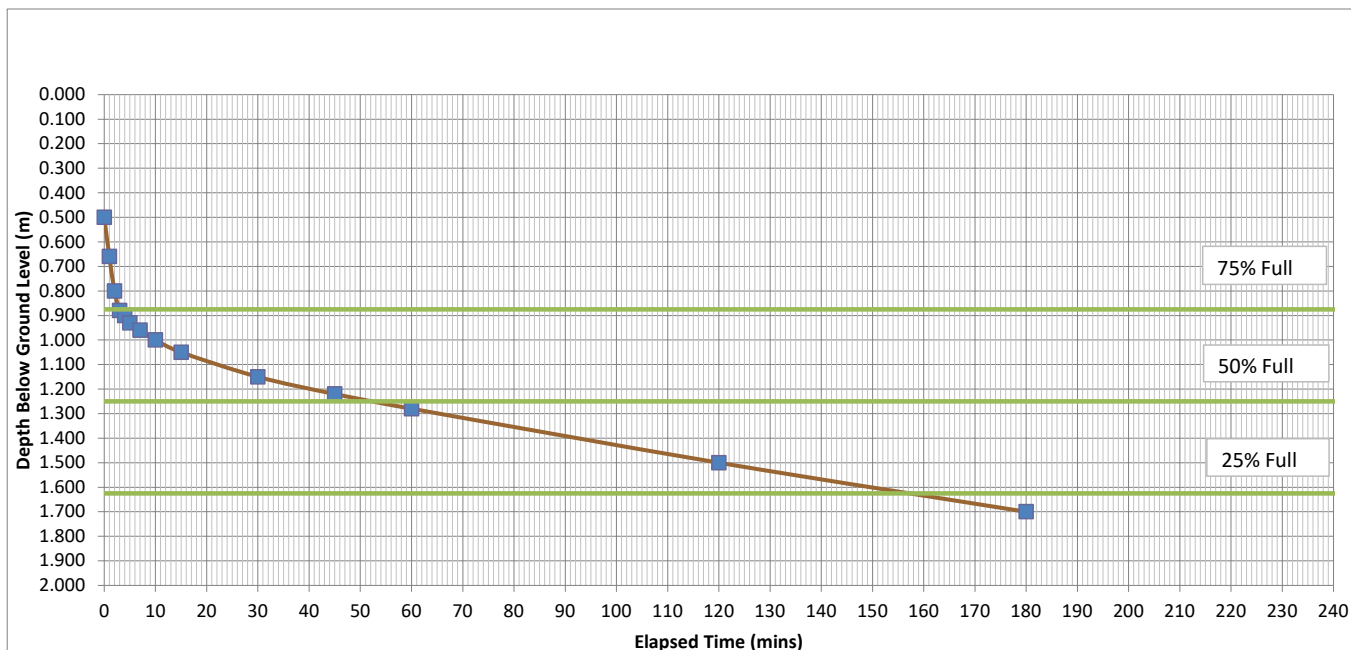
Job No:	A2352
Site:	Ruabon Park
Client:	SWF Consulting Ltd

[illegible]

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 V_{p75-25}
Time tp_{25} at which water is 75% of effective depth (minutes)
Time tp_{25} at which water is 25% of effective depth (minutes)
Time for water level to fall between V_{p75-25}
Time for water level to fall between V_{p75-25}
Internal surface area of hole up to 50% depth including base
Soil Infiltration Rate, f

TPO	
16/01/2018	
Sand and Gravel	
2	m
1.5	m
0.7	m
1.7	m
0.5	m
1.70	m
1.13	m
0.88	m
0.75	m
1.25	m
0.38	m
1.63	m
0.750	m3
0.89	m3
5.00	mins
160.00	mins
155	mins
9300	secs
4.79	m2
2.00E-05	m/s

Assumes pit is not filled





SOAKAWAY TEST

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