

REC Resource & Environmental Consultants Ltd		Site Job Number Date of Test		Sompting 20612 27/05/2014		Trial Pit Number Length..... Width..... Depth..... Groundwater Level.....		SA2 1.60 m 0.60 m 1.98 m m	
Remarks		TEST 1		TEST 2		TEST 3			
		Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)		
		0	1.020	0	1.000	0	0.980		
		0.25	1.040	0.25	1.040	0.25	1.010		
		0.5	1.050	0.5	1.050	0.5	1.020		
		0.75	1.060	0.75	1.060	0.75	1.030		
		1	1.070	1	1.060	1	1.040		
		1.5	1.110	1.5	1.080	1.5	1.050		
		2	1.130	2	1.100	2	1.080		
		2.5	1.150	2.5	1.110	2.5	1.090		
		3	1.160	3	1.130	3	1.100		
		3.5	1.180	3.5	1.150	3.5	1.120		
		4	1.210	4	1.160	4	1.130		
		4.5	1.220	4.5	1.180	4.5	1.140		
		5	1.240	5	1.190	5	1.150		
		6	1.280	7	1.240	6	1.170		
		7	1.290	9	1.280	7	1.200		
		8	1.330	10	1.300	8	1.230		
		9	1.340	20	1.500	9	1.250		
		10	1.370	40	1.650	10	1.260		
		15	1.460	50	1.800	30	1.500		
		20	1.520			40	1.600		
		30	1.640			50	1.670		
		50	1.870			60	1.760		
		60	1.98			66	1.840		
Effective Storage Depth		m	0.96	0.98		1.00			
75% Effective Storage Depth		m	0.72	0.74		0.75			
(i.e. depth below GL)		m	1.26	1.25		1.23			
25% Effective Storage Depth		m	0.24	0.25		0.25			
(i.e. depth below GL)		m	1.74	1.74		1.73			
Effective Storage Depth 75%-25%		m	0.48	0.49		0.50			
Time to fall to 75% effective depth		mins	5.50	8.00		10.00			
Time to fall to 25% effective depth		mins	36.00	56.00		58.00			
V (75%-25%)		m3	0.46	0.47		0.48			
a (50%)		m2	3.07	3.12		3.16			
t (75%-25%)		mins	30.50	48.00		48.00			
SOIL INFILTRATION RATE		m/s	8.20E-05	5.24E-05		5.27E-05			

DESIGN SOIL INFILTRATION RATE, f	5.24E-05
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REC Resource & Environmental Consultants Ltd		Site Job Number Date of Test		Sompting 20612 27/05/2014		Trial Pit Number Length..... Width..... Depth..... Groundwater Level.....		SA3 1.70 m 0.60 m 2.00 m m	
Remarks		TEST 1		TEST 2		TEST 3			
		Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)		
		0	1.010	0	0.990				
		0.25	1.020	0.25	0.990				
		0.5	1.030	0.5	0.990				
		0.75	1.040	0.75	0.995				
		1	1.040	1	0.995				
		1.5	1.050	1.5	1.000				
		2	1.060	2	1.010				
		2.5	1.070	2.5	1.020				
		3	1.070	3	1.020				
		3.5	1.080	3.5	1.030				
		4	1.080	4	1.035				
		4.5	1.090	4.5	1.035				
		5	1.100	5	1.040				
		6	1.120	6	1.050				
		7	1.130	7	1.060				
		8	1.140	8	1.070				
		9	1.150	10	1.090				
		10	1.160	20	1.160				
		15	1.210	30	1.200				
		20	1.270	40	1.260				
		30	1.310	50	1.320				
		40	1.380	60	1.370				
		50	1.420	90	1.450				
		60	1.470						
		90	1.590						
		180	1.980						
Effective Storage Depth		m	0.99		1.01				
75% Effective Storage Depth		m	0.74		0.76				
(i.e. depth below GL)		m	1.26		1.24				
25% Effective Storage Depth		m	0.25		0.25				
(i.e. depth below GL)		m	1.75		1.75				
Effective Storage Depth 75%-25%		m	0.50		0.51				
Time to fall to 75% effective depth		mins	18.00		38.00				
Time to fall to 25% effective depth		mins	126.00		135.00				
V (75%-25%)		m3	0.50		0.52				
a (50%)		m2	3.30		3.34				
t (75%-25%)		mins	108.00		97.00				
SOIL INFILTRATION RATE		m/s	2.36E-05		2.65E-05				

DESIGN SOIL INFILTRATION RATE, f	2.36E-05
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REC Resource & Environmental Consultants Ltd 		Site Job Number Date of Test		Sompting 20612 28/05/2014		Trial Pit Number Length..... Width..... Depth..... Groundwater Level.....		SA4 1.80 m 0.60 m 2.00 m m	
Remarks		TEST 1		TEST 2		TEST 3			
		Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)		
		0	1.000	0	1.080				
		0.25	1.010	0.25	1.100				
		0.5	1.020	0.5	1.110				
		0.75	1.090	0.75	1.130				
		1	1.100	1	1.140				
		1.5	1.120	1.5	1.160				
		2	1.150	2	1.190				
		2.5	1.170	2.5	1.200				
		3	1.200	3	1.230				
		3.5	1.250	3.5	1.240				
		4	1.270	4	1.250				
		4.5	1.290	4.5	1.270				
		5	1.320	5	1.300				
		6	1.360	6	1.340				
		7	1.410	7	1.370				
		8	1.440	8	1.390				
		9	1.480	9	1.420				
		10	1.530	10	1.450				
		15	1.700	15	1.600				
		20	1.840	20	1.750				
		30	2.000	30					
Effective Storage Depth		m	1.00		0.92				
75% Effective Storage Depth		m	0.75		0.69				
(i.e. depth below GL)		m	1.25		1.31				
25% Effective Storage Depth		m	0.25		0.23				
(i.e. depth below GL)		m	1.75		1.77				
Effective Storage Depth 75%-25%		m	0.50		0.46				
Time to fall to 75% effective depth		mins	3.50		3.50				
Time to fall to 25% effective depth		mins	17.00		20.00				
V (75%-25%)		m3	0.54		0.50				
a (50%)		m2	3.48		3.29				
t (75%-25%)		mins	13.50		16.50				
SOIL INFILTRATION RATE		m/s	1.92E-04		1.53E-04				

DESIGN SOIL INFILTRATION RATE, f	1.53E-04
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REC Resource & Environmental Consultants Ltd		Site Job Number Date of Test		Sompting 20612 28/05/2014		Trial Pit Number Length..... Width..... Depth..... Groundwater Level.....		SA5 1.70 m 0.60 m 2.00 m m	
Remarks		TEST 1		TEST 2		TEST 3			
		Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)		
		0	1.010						
		0.25	1.010						
		0.5	1.020						
		0.75	1.030						
		1	1.040						
		2	1.080						
		2.5	1.090						
		3	1.100						
		3.5	1.110						
		4	1.130						
		4.5	1.140						
		5	1.150						
		6	1.180						
		7	1.210						
		8	1.230						
		9	1.250						
		10	1.280						
		15	1.380						
		20	1.440						
		30	1.610						
		40	1.730						
		50	1.830						
		60	1.88						
Effective Storage Depth		m	0.99						
75% Effective Storage Depth		m	0.74						
(i.e. depth below GL)		m	1.26						
25% Effective Storage Depth		m	0.25						
(i.e. depth below GL)		m	1.75						
Effective Storage Depth 75%-25%		m	0.50						
Time to fall to 75% effective depth		mins	9.50						
Time to fall to 25% effective depth		mins	43.00						
V (75%-25%)		m3	0.50						
a (50%)		m2	3.30						
t (75%-25%)		mins	33.50						
SOIL INFILTRATION RATE		m/s	7.62E-05						

DESIGN SOIL INFILTRATION RATE, f

7.62E-05

