

17-19 Swaythling road

BRE 365 Type Test

Percolation test at location 1

Undertaken on 10/12/2012 - Soil was sandy gravel

Test 1

Depth below ground surface		%	Time elapsed (Mins)
	0	100	0
Length	1.1	475	67
Width	0.65	615	57
Depth	1	700	44
Approx. pipe invert	0	760	25
Eff. Depth	1	1000	0
			2827
	Time between 75%to25% full		
		=	64800.00 secs
	Vp	=	432.00 secs

Depth 25% full	0.75	750
Depth 75% full	0.25	250
Vp75	0.358	
ap50	2.465	
Time 75%	120	
Time 25%	1200	
Tp75-25	1080	mins
Soil infil. Rate F	2.24E-06	m/s

Test 2

Depth below ground surface		%	Time elapsed (Mins)
	0	100	0
Length	1.1	350	64
Width	0.65	710	52
Depth	1	720	36
Approx. pipe invert	0	780	22
Eff. Depth	1	1000	0
			3100
	Time between 75%to25% full		
		=	66600.00 secs
	Vp	=	444.00 secs

Depth 25% full	0.75	750
Depth 75% full	0.25	250
Vp75	0.358	
ap50	2.465	
Time 75%	90	
Time 25%	1200	
Tp75-25	1110	mins
Soil infil. Rate F	2.18E-06	m/s

Test 3

Depth below ground surface		%	Time elapsed (Mins)
	0	100	
Length		300	70
Width		450	55
Depth		570	43
Approx. pipe invert		740	26
Eff. Depth	0	1000	0
	Time between 75%to25% full		
		=	17700.00 secs
	Vp	=	118.00 secs

Depth 25% full	0.75	750
Depth 75% full	0.25	250
Vp75	0.000	
ap50	0	
Time 75%	35	
Time 25%	330	
Tp75-25	295	mins
Soil infil. Rate F	#DIV/0!	m/s

Average vp of Test 1, 2 and 3 = 331.333 secs
However a minimum of 15 secs should be adopted

Ave. Soil infil. Rate F **2.21E-06** m/s

