

BRE 365 Method				BRE 365 Method				BRE 365 Method			
Width of Trial Pit		0.6 m		Width of Trial Pit		0.6 m		Width of Trial Pit		0.6 m	
Length of Trial Pit		2.1 m		Length of Trial Pit		2.1 m		Length of Trial Pit		2.1 m	
or				or				or			
Diameter of Borehole		0 m		Diameter of Borehole		0 m		Diameter of Borehole		0 m	
Surface area of pit		1.26 m ²		Surface area of pit		1.26 m ²		Surface area of pit		1.26 m ²	
Effective Depth (initial depth of water)		1 m		Effective Depth (initial depth of water)		1.03 m		Effective Depth (initial depth of water)			
Gravel Void Ratio		30.00%		Gravel Void Ratio		30.00%		Gravel Void Ratio			
V _{p75-25}		0.189 m ³		V _{p75-25}		0.19467 m ³		V _{p75-25}		0.15309 m ³	
a _{p50}		3.96 m ²		a _{p50}		4.041 m ²		a _{p50}		3.447 m ²	
t _{p75-25}		time for water to fall from		t _{p75-25}		time for water to fall from		t _{p75-25}		time for water to fall from	
		0.75 m				0.7725 m					
		to				to				to	
		0.25 m				0.2575 m					
		t _{p75-25} =				t _{p75-25} =				t _{p75-25} =	
		93 s				103.8 s					
Infiltration rate = V _{p75-25} / (a _{p50} x t _{p75-25})				Infiltration rate = V _{p75-25} / (a _{p50} x t _{p75-25})				Infiltration rate = V _{p75-25} / (a _{p50} x t _{p75-25})			
Infiltration rate =		5.13E-04 m/s		Infiltration rate =		4.64E-04 m/s		Infiltration rate =		5.69E-04 m/s	