

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 m		Length of Trial Pit		2 m		Length of Trial Pit		2 m	
or				or				or			
Diameter of Borehole		0 m		Diameter of Borehole		0 m		Diameter of Borehole		0 m	
Surface area of pit		1.2 m ²		Surface area of pit		1.2 m ²		Surface area of pit		1.2 m ²	
Effective Depth (initial depth of water)		0.85 m		Effective Depth (initial depth of water)		1.02 m		Effective Depth (initial depth of water)			
Gravel Void Ratio		30.00%		Gravel Void Ratio		30.00%		Gravel Void Ratio			
V_{p75-25}	0.153 m ³			V_{p75-25}	0.1836 m ³			V_{p75-25}	0.18 m ³		
a_{p50}	3.41 m ²			a_{p50}	3.852 m ²			a_{p50}	3.8 m ²		
t_{p75-25}	time for water to fall from	0.6375 m		t_{p75-25}	time for water to fall from	0.765 m		t_{p75-25}	time for water to fall from		
	to	0.2125 m			to	0.255 m			to		
	$t_{p75-25} =$	117 s			$t_{p75-25} =$	123.6 s			$t_{p75-25} =$		
Infiltration rate = $V_{p75-25} / (a_{p50} \times t_{p75-25})$				Infiltration rate = $V_{p75-25} / (a_{p50} \times t_{p75-25})$				Infiltration rate = $V_{p75-25} / (a_{p50} \times t_{p75-25})$			
Infiltration rate =		3.83E-04 m/s		Infiltration rate =		3.86E-04 m/s		Infiltration rate =		4.18E-04 m/s	