

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)		0.9 m		Effective Depth (initial depth of water)		0.84 m		Effective Depth (initial depth of water)			
Gravel Void Ratio		30.00%		Gravel Void Ratio		30.00%		Gravel Void Ratio			
V_{p75-25}	0.1701 m ³			V_{p75-25}	0.15876 m ³			V_{p75-25}	0.17577 m ³		
a_{p50}	3.69 m ²			a_{p50}	3.528 m ²			a_{p50}	3.771 m ²		
t_{p75-25}	time for water to fall from	0.675 m		t_{p75-25}	time for water to fall from	0.63 m		t_{p75-25}	time for water to fall from		
	to	0.225 m			to	0.21 m			to		
	$t_{p75-25} =$	175.2 s			$t_{p75-25} =$	181.2 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 =	2.63E-04 m/s			Infiltration rate =	2.48E-04 m/s			Infiltration rate =	2.75E-04 m/s		