

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)	1.3 m			Effective Depth (initial depth of water)	1.32 m			Effective Depth (initial depth of water)			
Gravel Void Ratio	30.00%			Gravel Void Ratio	30.00%			Gravel Void Ratio			
V _{p75-25}	0.2457 m ³			V _{p75-25}	0.24948 m ³			V _{p75-25}	0.28161 m ³		
a _{p50}	4.77 m ²			a _{p50}	4.824 m ²			a _{p50}	5.283 m ²		
t _{p75-25}	time for water to fall from	0.975 m		t _{p75-25}	time for water to fall from	0.99 m		t _{p75-25}	time for water to fall from		
	to	0.325 m			to	0.33 m			to		
	t _{p75-25} =	108.6 s			t _{p75-25} =	114.6 s			t _{p75-25} =		
Infiltration rate = V _{p75-25} / (a _{p50} × t _{p75-25})				Infiltration rate = V _{p75-25} / (a _{p50} × t _{p75-25})				Infiltration rate = V _{p75-25} / (a _{p50} × t _{p75-25})			
Infiltration rate =	4.74E-04 m/s			Infiltration rate =	4.51E-04 m/s			Infiltration rate =	3.90E-04 m/s		