

Soakaway Test Results - BRE 365 Digest standards

Site: Trederwen, Brondeg, Heolgerrig

Client: Vale Consultancy

Soakaway Test Results - BRE 365 Digest standards			
Trial Pit 01		Date:	17/02/2022
		Performed by:	James Coccimiglio
Dimensions	(m)	Weather:	Sunny
Width	0.7	Topsoil:	Gravel
Length	0.7	Superficial soil:	Dark brown, gravelly, slightly clayey silt
Depth of pit	0.7	Comments:	
75% effective depth =		0.53	
25% effective depth =		0.18	

Test No.	Time (min)	Depth (m)			
1	0	0.53	Vp75-25 (m³) = 0.1715 As50 (m²) = 1.47 tp75-25 (hours) = 0.750		
	10	0.45			
	20	0.37			
	30	0.29			
	40	0.21	f = 0.15556 m/hr f = 4.32E-05 m/s		
	45	0.18			
2	0	0.53	Vp75-25 (m³) = 0.1715 As50 (m²) = 1.47 tp75-25 (hours) = 0.933		
	10	0.46			
	20	0.40			
	25	0.37			
	30	0.34	f = 0.12500 m/hr f = 3.47E-05 m/s		
	40	0.28			
	56	0.18			
3	0	0.53	Vp75-25 (m³) = 0.1715 As50 (m²) = 1.47 tp75-25 (hours) = 1.000		
	10	0.47			
	20	0.41			
	30	0.35			
	40	0.29	f = 0.11667 m/hr f = 3.24E-05 m/s		
	50	0.23			
	60	0.18			
Lowest infiltration rate =		3.24E-05	m/s		