

Soakaway Test Results - BRE 365 Digest standards

Site: Trederwen, Brondeg, Heolgerrig

Client: Vale Consultancy

Soakaway Test Results - BRE 365 Digest standards			
Trial Pit 02		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	$Vp_{75-25} (m^3) = 0.1715$ $As_{50} (m^2) = 1.47$ $tp_{75-25} (hours) = 1.000$		
	10	0.47			
	20	0.41			
	35	0.32			
	50	0.23	$f = 0.11667 \text{ m/hr}$ $f = 3.24E-05 \text{ m/s}$		
	60	0.18			
2	0	0.53	$Vp_{75-25} (m^3) = 0.1715$ $As_{50} (m^2) = 1.47$ $tp_{75-25} (hours) = 1.000$		
	10	0.47			
	19	0.41			
	34	0.33			
	47	0.25	$f = 0.11667 \text{ m/hr}$ $f = 3.24E-05 \text{ m/s}$		
	60	0.18			
3	0	0.53	$Vp_{75-25} (m^3) = 0.1715$ $As_{50} (m^2) = 1.47$ $tp_{75-25} (hours) = 1.000$		
	10	0.47			
	22	0.40			
	35	0.32			
	48	0.25	$f = 0.11667 \text{ m/hr}$ $f = 3.24E-05 \text{ m/s}$		
	60	0.18			
Lowest infiltration rate =		3.24E-05	m/s		