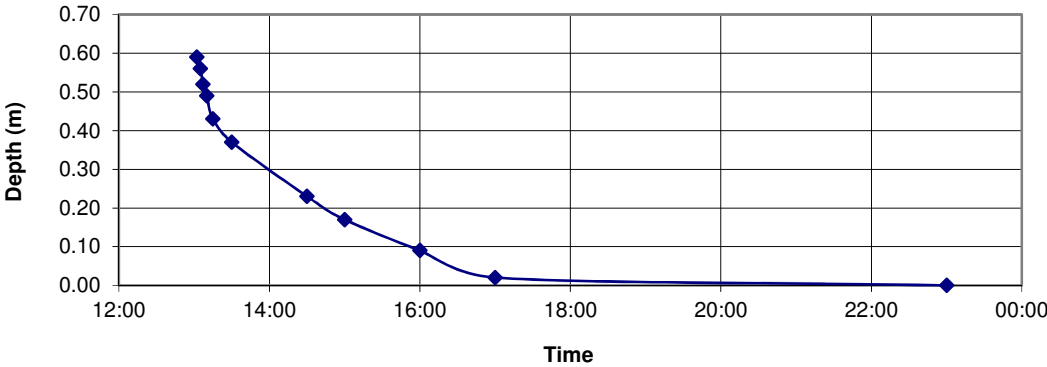


PERCOLATION TEST RECORD



Client MR PAUL WOOLLAM		Job Title PROPOSED RESIDENTIAL DEVELOPMENT BRIARY CLOSE, WREXHAM		Job No 5068			
Date 10.12.16	Pit Dimensions L x B (m) 1.70 x 1.20	Depth (m) 3.30	Depth to Final Water Level (m) 2.52	GL (m AOD) ~47.10	Exc'd by JCB	Trial Pit No. TP2	Test 1
Mins 2 5 7 10 15 30 90 120 180 240 300	Time of Monitoring	Dip to Water Level (m from GL)		Depth of Water (m) To Final Water Level		Comments	
	13:02:00	1.930		0.59			
	13:05:00	1.960		0.56			
	13:07:00	2.000		0.52			
	13:10:00	2.030		0.49			
	13:15:00	2.090		0.43			
	13:30:00	2.150		0.37			
	14:30:00	2.290		0.23			
	15:00:00	2.350		0.17			
	16:00:00	2.430		0.09			
	17:00:00	2.500		0.02			
	23:00:00	2.520		0.00			
							
	Remarks						
	Soil: See Groundsolve Ltd Trial Pit Records						
Excavation:							
Weather: Ground Water: None encountered							
Measured infiltration rate							
BRE 365 Pg. 3	Effective depth	0.59 m					
	Stone Porosity	N/A					
	Time at 75% effective depth	10/12/16 13:14:04 hr					0.443 m
	Time at 25% effective depth	10/12/16 15:14:34 hr					0.148 m
	Time to empty from 75% to 25%	7230 s					2.01 hrs
	Soil infiltration rate	<i>f</i>	2.22E-05 m/s				
$f = \frac{(V_{p75-25})}{(a_{p50} \times t_{p75-25})}$							