

WMS Solutions - Soakaway design

Project Details:

Project Reference No.	**	Date:	15 February 2012
Client:	Giles Chaplin	Produced by:	S. Robinson
Site Name:	111 London Road	Checked by:	N/A
Site Location:	Portsmouth	Soakaway No:	*

Rainfall Details

Rainfall ratio, r value (M5 - 60 ÷ M5 - 2 day)	0.35 R value	Catchment Area:	200 m ²
Rainfall for 60 minute storm, 6 yr frequency (M5 - 60)	19 mm	Catchment Type:	Combined
		Percentage run-off:	95 %
		Storm Return Period:	1 in 30 years
		Country:	England and Wales
		Climate Change:	0 %

Soil Parameters

Soil Type:	Clay	Information Source:	N/A
Infiltration coefficient:	2.77E-07 m/s	Depth to Groundwater:	Unknown m

System Parameters

PolyStorm Units Required:	PolyStorm R
Length:	6.5 m
Width:	6 m
Depth:	0.40 m
Nonnominal Volume:	15.6 m ³
Storage Volume:	14.82 m ³
Total Number Of Units:	78

Design Results

Storage Height:	0.40 m
Half Time Empty:	237.90 Hrs
Critical storm duration:	48 Hours
Factor of safety	1.5

