Wavin Stormwater Management

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Wavin Stormwater Management

Project Details

Project Name	Land Adjacent Hall Stree Hoyland Barnsley	**Produced By**	David Scholey
Client Name	Peter Sleight		
Site Address	Land Adjacent Hall Stree Hoyland Barnsley , S74 9JR	**Date**	03/03/2025

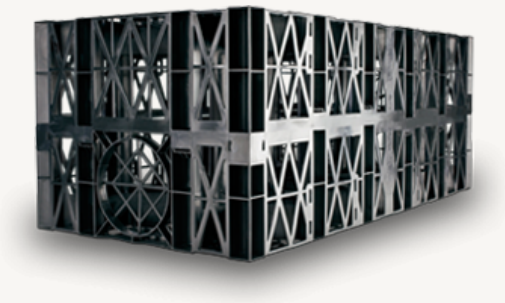
Modular Units and Tank Details - Hall Street Hoyland

Length	6m	6 units
Width	1m	2 units
Depth	0.4m	1 units
Total Number of Units		**12 units**

Void	95%
Cover Depth	0.3m
Installation Depth	0.7m

Recommended Unit

Wavin recommend using the following unit for your installation.



AquaCell Eco

Product Number: 6LB025
AquaCell Eco is manufactured from specially reformulated, recycled material and has been designed for shallow, non-trafficked, landscaped applications.

Other Unit(s)

The following unit(s) can also be used with, or in place of the recommended unit.

Drainage Details

Area	200m^2	**Allowable Discharge**	3 ltr/sec
Catchment Type	Roof + Hardstanding	**Climate Change**	40%
Area Reduction Factor	0.9	**Effective Area**	252m^2
Soil Type	Over consolidated clay	**Factor of Safety**	1

Rainfall Data

R Value	0.36	**Storm Return Period**	1 in 30 years
M5-60	19	**County**	South Yorkshire - Barnsley

Time	Z1 Value	y mm	Z2 Value	p mm	Inflow	Outflow	Storage Volume
5min	0.36	6.84	1.43	9.78	2.46	0.9	1.56
10min	0.51	9.69	1.46	14.15	3.57	1.8	1.77
15min	0.62	11.78	1.47	17.32	4.36	2.7	1.66
30min	0.79	15.01	1.51	22.67	5.71	5.4	0.31
1hr	1	19	1.51	28.69	7.23	10.8	-3.57
2hr	1.21	22.99	1.52	34.94	8.81	21.6	-12.79
4hr	1.5	28.5	1.51	43.04	10.84	43.2	-32.36
6hr	1.7	32.3	1.49	48.13	12.13	64.8	-52.67
10hr	1.9	36.1	1.49	53.79	13.55	108	-94.45
24hr	2.4	45.6	1.45	66.12	16.66	259.2	-242.54
48hr	2.9	55.1	1.41	77.69	19.58	518.4	-498.82

Critical storm duration (hrs)	10min
Required Storage Height	1.77m
Volume from Dimensions	2.28m^3

Area Sales Manager

If you would like to find out how to purchase, please contact your Area Sales Manager

Name	Michelle Amesbury
Phone Number	07970 511099

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