

Skyview House, Hoe Lane		Page 2
Flansham		
Geocell G2		
Date 14 March 2019	Designed by	
File House geocell.SRCX	Checked by	
Micro Drainage	Source Control 2016.1	

Summary of Results for 100 year Return Period (+40%)

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
30 min Winter	2.654	0.254	0.2	6.0	O K
60 min Winter	2.717	0.317	0.2	7.5	O K
120 min Winter	2.772	0.372	0.2	8.8	O K
180 min Winter	2.795	0.395	0.2	9.4	O K
240 min Winter	2.804	0.404	0.2	9.6	O K
360 min Winter	2.804	0.404	0.2	9.6	O K
480 min Winter	2.796	0.396	0.2	9.4	O K
600 min Winter	2.788	0.388	0.2	9.2	O K
720 min Winter	2.778	0.378	0.2	9.0	O K
960 min Winter	2.755	0.355	0.2	8.4	O K
1440 min Winter	2.705	0.305	0.2	7.3	O K
2160 min Winter	2.636	0.236	0.2	5.6	O K
2880 min Winter	2.577	0.177	0.2	4.2	O K
4320 min Winter	2.488	0.088	0.2	2.1	O K
5760 min Winter	2.449	0.049	0.2	1.2	O K
7200 min Winter	2.441	0.041	0.1	1.0	O K
8640 min Winter	2.436	0.036	0.1	0.8	O K
10080 min Winter	2.432	0.032	0.1	0.7	O K

Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)
30 min Winter	83.789	0.0	33
60 min Winter	53.779	0.0	62
120 min Winter	33.337	0.0	120
180 min Winter	24.832	0.0	176
240 min Winter	20.006	0.0	234
360 min Winter	14.706	0.0	340
480 min Winter	11.818	0.0	390
600 min Winter	9.966	0.0	464
720 min Winter	8.665	0.0	542
960 min Winter	6.943	0.0	694
1440 min Winter	5.071	0.0	984
2160 min Winter	3.696	0.0	1404
2880 min Winter	2.949	0.0	1788
4320 min Winter	2.142	0.0	2464
5760 min Winter	1.705	0.0	2968
7200 min Winter	1.427	0.0	3680
8640 min Winter	1.235	0.0	4408
10080 min Winter	1.093	0.0	5152



Micro
Drainage

Rainfall Details

Rainfall Model	FSR	Winter Storms	Yes
Return Period (years)	100	Cv (Summer)	0.750
Region	England and Wales	Cv (Winter)	0.840
MS-60 (mm)	19.000	Shortest Storm (mins)	15
Ratio R	0.350	Longest Storm (mins)	10080
Summer Storms	Yes	Climate Change %	+40

Time Area Diagram

Total Area (ha) 0.018

Time (mins)	Area
From: To:	(ha)
0 4	0.018

