

Robert Clark Associates		Page 1
Willow Cottage Herne Lane Rustington BN16 3EE	The Cottage Shripney Road Phase 1	
Date 13.2.19 File SA2.SRCX	Designed by RTFC Checked by	
Micro Drainage	Source Control 2016.1	

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

Half Drain Time : 200 minutes.

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m ³)	Status
15 min Summer	2.229	0.629	0.1	1.6	0 K
30 min Summer	2.426	0.826	0.1	2.1	0 K
60 min Summer	2.611	1.011	0.1	2.5	0 K
120 min Summer	2.740	1.140	0.2	2.9	0 K
180 min Summer	2.780	1.180	0.2	3.0	0 K
240 min Summer	2.798	1.198	0.2	3.0	0 K
360 min Summer	2.806	1.206	0.2	3.0	0 K
480 min Summer	2.797	1.197	0.2	3.0	0 K
600 min Summer	2.778	1.178	0.2	3.0	0 K
720 min Summer	2.754	1.154	0.2	2.9	0 K
960 min Summer	2.702	1.102	0.2	2.8	0 K
1440 min Summer	2.600	1.000	0.1	2.5	0 K
2160 min Summer	2.474	0.874	0.1	2.2	0 K
2880 min Summer	2.378	0.778	0.1	2.0	0 K
4320 min Summer	2.243	0.643	0.1	1.6	0 K
5760 min Summer	2.151	0.551	0.1	1.4	0 K
7200 min Summer	2.083	0.483	0.1	1.2	0 K
8640 min Summer	2.033	0.433	0.1	1.1	0 K
10080 min Summer	1.993	0.393	0.1	1.0	0 K
15 min Winter	2.305	0.705	0.1	1.8	0 K

Storm Event	Rain (mm/hr)	Flooded Volume (m ³)	Time-Peak (mins)
15 min Summer	124.633	0.0	18
30 min Summer	83.789	0.0	33
60 min Summer	53.779	0.0	62
120 min Summer	33.337	0.0	120
180 min Summer	24.832	0.0	146
240 min Summer	20.006	0.0	176
360 min Summer	14.706	0.0	244
480 min Summer	11.818	0.0	312
600 min Summer	9.966	0.0	380
720 min Summer	8.665	0.0	448
960 min Summer	6.943	0.0	580
1440 min Summer	5.071	0.0	840
2160 min Summer	3.696	0.0	1216
2880 min Summer	2.949	0.0	1588
4320 min Summer	2.142	0.0	2332
5760 min Summer	1.705	0.0	3056
7200 min Summer	1.427	0.0	3816
8640 min Summer	1.235	0.0	4496
10080 min Summer	1.093	0.0	5240
15 min Winter	124.633	0.0	18

Robert Clark Associates		Page 2
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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	2.527	0.927	0.1	2.3	0 K
60 min Winter	2.736	1.136	0.2	2.9	0 K
120 min Winter	2.887	1.287	0.2	3.2	0 K
180 min Winter	2.923	1.323	0.2	3.3	0 K
240 min Winter	2.939	1.339	0.2	3.4	0 K
360 min Winter	2.931	1.331	0.2	3.4	0 K
480 min Winter	2.901	1.301	0.2	3.3	0 K
600 min Winter	2.863	1.263	0.2	3.2	0 K
720 min Winter	2.822	1.222	0.2	3.1	0 K
960 min Winter	2.740	1.140	0.2	2.9	0 K
1440 min Winter	2.595	0.995	0.1	2.5	0 K
2160 min Winter	2.432	0.832	0.1	2.1	0 K
2880 min Winter	2.315	0.715	0.1	1.8	0 K
4320 min Winter	2.161	0.561	0.1	1.4	0 K
5760 min Winter	2.063	0.463	0.1	1.2	0 K
7200 min Winter	1.996	0.396	0.1	1.0	0 K
8640 min Winter	1.948	0.348	0.0	0.9	0 K
10080 min Winter	1.910	0.310	0.0	0.8	0 K

Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)
30 min Winter	83.789	0.0	32
60 min Winter	53.779	0.0	60
120 min Winter	33.337	0.0	116
180 min Winter	24.832	0.0	150
240 min Winter	20.006	0.0	184
360 min Winter	14.706	0.0	262
480 min Winter	11.818	0.0	336
600 min Winter	9.966	0.0	410
720 min Winter	8.665	0.0	478
960 min Winter	6.943	0.0	618
1440 min Winter	5.071	0.0	882
2160 min Winter	3.696	0.0	1276
2880 min Winter	2.949	0.0	1644
4320 min Winter	2.142	0.0	2380
5760 min Winter	1.705	0.0	3120
7200 min Winter	1.427	0.0	3824
8640 min Winter	1.235	0.0	4584
10080 min Winter	1.093	0.0	5336

Robert Clark Associates		Page 3																														
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