

Robert Clark Associates		Page 1
Willow Cottage Horne Lane Ruslington BN16 3EE	Mill View Road Yapton	
Date 14 June 2018	Designed by RTFC	
File Permeable paving calcs SRCX	Checked by	
Micro Drainage		Source Control 2016.1

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

Half Drain Time : 93 minutes.

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
15 min Summer	5.931	0.031	0.0	0.1	Flood Risk
30 min Summer	5.944	0.044	0.0	0.2	Flood Risk
60 min Summer	5.955	0.055	0.0	0.3	Flood Risk
120 min Summer	5.963	0.063	0.0	0.3	Flood Risk
180 min Summer	5.966	0.066	0.0	0.3	Flood Risk
240 min Summer	5.966	0.066	0.0	0.3	Flood Risk
360 min Summer	5.964	0.064	0.0	0.3	Flood Risk
480 min Summer	5.961	0.061	0.0	0.3	Flood Risk
600 min Summer	5.957	0.057	0.0	0.3	Flood Risk
720 min Summer	5.954	0.054	0.0	0.3	Flood Risk
960 min Summer	5.948	0.048	0.0	0.2	Flood Risk
1440 min Summer	5.940	0.040	0.0	0.2	Flood Risk
2160 min Summer	5.933	0.033	0.0	0.2	Flood Risk
2880 min Summer	5.927	0.027	0.0	0.1	Flood Risk
4320 min Summer	5.921	0.021	0.0	0.1	Flood Risk
5760 min Summer	5.917	0.017	0.0	0.1	Flood Risk
7200 min Summer	5.915	0.015	0.0	0.1	Flood Risk
8640 min Summer	5.913	0.013	0.0	0.1	Flood Risk
10080 min Summer	5.911	0.011	0.0	0.1	Flood Risk
15 min Winter	5.937	0.037	0.0	0.2	Flood Risk

Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)
15 min Summer	124.633	0.0	18
30 min Summer	83.789	0.0	32
60 min Summer	53.779	0.0	60
120 min Summer	33.337	0.0	92
180 min Summer	24.832	0.0	126
240 min Summer	20.006	0.0	160
360 min Summer	14.706	0.0	228
480 min Summer	11.818	0.0	292
600 min Summer	9.966	0.0	356
720 min Summer	8.665	0.0	418
960 min Summer	6.943	0.0	538
1440 min Summer	5.071	0.0	780
2160 min Summer	3.696	0.0	1148
2880 min Summer	2.949	0.0	1504
4320 min Summer	2.142	0.0	2240
5760 min Summer	1.705	0.0	2944
7200 min Summer	1.427	0.0	3672
8640 min Summer	1.235	0.0	4408
10080 min Summer	1.093	0.0	5144
15 min Winter	124.633	0.0	18

