

Robert Clark Associates			Page 1		
Willow Cottage Herne Lane Rustington BN16 3EE		Walberton Farm SA1 FEH 22 rainfall data			
Date 8.8.26 File SA1 calcs 10yr rain.SRCX		Designed by RTFC Checked by			
Micro Drainage		Source Control 2016.1			
Summary of Results for 10 year Return Period (+45%)					
Half Drain Time : 69 minutes.					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
15 min Summer	12.084	0.459	0.6	3.9	O K
30 min Summer	12.172	0.547	0.8	4.7	O K
60 min Summer	12.242	0.617	0.9	5.3	O K
120 min Summer	12.303	0.678	0.9	5.8	O K
180 min Summer	12.325	0.700	1.0	6.0	O K
240 min Summer	12.328	0.703	1.0	6.0	O K
360 min Summer	12.314	0.689	1.0	5.9	O K
480 min Summer	12.290	0.665	0.9	5.7	O K
600 min Summer	12.264	0.639	0.9	5.5	O K
720 min Summer	12.239	0.614	0.9	5.2	O K
960 min Summer	12.171	0.546	0.8	4.7	O K
1440 min Summer	12.076	0.451	0.6	3.8	O K
2160 min Summer	11.986	0.361	0.5	3.1	O K
2880 min Summer	11.929	0.304	0.4	2.6	O K
4320 min Summer	11.871	0.246	0.3	2.1	O K
5760 min Summer	11.835	0.210	0.3	1.8	O K
7200 min Summer	11.810	0.185	0.3	1.6	O K
8640 min Summer	11.791	0.166	0.2	1.4	O K
10080 min Summer	11.776	0.151	0.2	1.3	O K
15 min Winter	12.085	0.460	0.6	3.9	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)		
15 min Summer	74.172	0.0	17		
30 min Summer	47.153	0.0	31		
60 min Summer	29.977	0.0	50		
120 min Summer	19.057	0.0	84		
180 min Summer	14.621	0.0	118		
240 min Summer	12.115	0.0	152		
360 min Summer	9.295	0.0	218		
480 min Summer	7.702	0.0	282		
600 min Summer	6.657	0.0	346		
720 min Summer	5.909	0.0	410		
960 min Summer	4.700	0.0	532		
1440 min Summer	3.405	0.0	780		
2160 min Summer	2.466	0.0	1144		
2880 min Summer	1.961	0.0	1500		
4320 min Summer	1.499	0.0	2244		
5760 min Summer	1.238	0.0	2944		
7200 min Summer	1.068	0.0	3672		
8640 min Summer	0.946	0.0	4408		
10080 min Summer	0.854	0.0	5144		
15 min Winter	74.172	0.0	17		
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