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K	30 min Summer	49.455	0.255	0.1	2.2	O K	60 min Summer	49.513	0.313	0.1	2.7	O K	120 min Summer	49.556	0.356	0.1	3.0	O K	180 min Summer	49.566	0.366	0.1	3.1	O K	240 min Summer	49.567	0.367	0.1	3.1	O K	360 min Summer	49.563	0.363	0.1	3.1	O K	480 min Summer	49.555	0.355	0.1	3.0	O K	600 min Summer	49.545	0.345	0.1	2.9	O K	720 min Summer	49.534	0.334	0.1	2.9	O K	960 min Summer	49.512	0.312	0.1	2.7	O K	1440 min Summer	49.471	0.271	0.1	2.3	O K	2160 min Summer	49.418	0.218	0.1	1.9	O K	2880 min Summer	49.375	0.175	0.1	1.5	O K	4320 min Summer	49.312	0.112	0.1	1.0	O K	5760 min Summer	49.272	0.072	0.1	0.6	O K	7200 min Summer	49.251	0.051	0.1	0.4	O K	8640 min Summer	49.245	0.045	0.1	0.4	O K	10080 min Summer	49.240	0.040	0.1	0.3	O K	15 min Winter	49.418	0.218	0.1	1.9	O K	Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)	15 min Summer	115.731	0.0	18	30 min Summer	77.804	0.0	33	60 min Summer	49.937	0.0	62	120 min Summer	30.956	0.0	120	180 min Summer	23.058	0.0	172	240 min 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480 min Winter	49.602	0.402	0.1	3.4	O K																																																																																																																																																																																											
600 min Winter	49.587	0.387	0.1	3.3	O K																																																																																																																																																																																											
720 min Winter	49.571	0.371	0.1	3.2	O K																																																																																																																																																																																											
960 min Winter	49.538	0.338	0.1	2.9	O K																																																																																																																																																																																											
1440 min Winter	49.477	0.277	0.1	2.4	O K																																																																																																																																																																																											
2160 min Winter	49.403	0.203	0.1	1.7	O K																																																																																																																																																																																											
2880 min Winter	49.345	0.145	0.1	1.2	O K																																																																																																																																																																																											
4320 min Winter	49.268	0.068	0.1	0.6	O K																																																																																																																																																																																											
5760 min Winter	49.245	0.045	0.1	0.4	O K																																																																																																																																																																																											
7200 min Winter	49.238	0.038	0.1	0.3	O K																																																																																																																																																																																											
8640 min Winter	49.233	0.033	0.1	0.3	O K																																																																																																																																																																																											
10080 min Winter	49.229	0.029	0.0	0.2	O K																																																																																																																																																																																											
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)																																																																																																																																																																																													
30 min Winter	77.804	0.0	32																																																																																																																																																																																													
60 min Winter	49.937	0.0	62																																																																																																																																																																																													
120 min Winter	30.956	0.0	118																																																																																																																																																																																													
180 min Winter	23.058	0.0	174																																																																																																																																																																																													
240 min Winter	18.577	0.0	226																																																																																																																																																																																													
360 min Winter	13.656	0.0	280																																																																																																																																																																																													
480 min Winter	10.974	0.0	356																																																																																																																																																																																													
600 min Winter	9.254	0.0	432																																																																																																																																																																																													
720 min Winter	8.046	0.0	506																																																																																																																																																																																													
960 min Winter	6.447	0.0	654																																																																																																																																																																																													
1440 min Winter	4.709	0.0	936																																																																																																																																																																																													
2160 min Winter	3.432	0.0	1324																																																																																																																																																																																													
2880 min Winter	2.739	0.0	1700																																																																																																																																																																																													
4320 min Winter	1.989	0.0	2376																																																																																																																																																																																													
5760 min Winter	1.583	0.0	2944																																																																																																																																																																																													
7200 min Winter	1.325	0.0	3672																																																																																																																																																																																													
8640 min Winter	1.147	0.0	4408																																																																																																																																																																																													
10080 min Winter	1.015	0.0	5112																																																																																																																																																																																													
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65 St Pauls Road Chichester West Sussex PO19 3DD	98 Elmer Road Soakaway Trench	
Date 11.04.18 File SAT1.srcx	Designed by CS Checked by	
Micro Drainage Source Control 2015.1		

Rainfall Details

Rainfall Model	FSR	Winter Storms	Yes
Return Period (years)	100	Cv (Summer)	0.750
Region	England and Wales	Cv (Winter)	0.840
M5-60 (mm)	19.000	Shortest Storm (mins)	15
Ratio R	0.350	Longest Storm (mins)	10080
Summer Storms	Yes	Climate Change %	+30

Time Area Diagram

Total Area (ha) 0.008

Time (mins)	Area
From:	To: (ha)
0	4 0.008

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65 St Pauls Road Chichester West Sussex PO19 3DD	98 Elmer Road Soakaway Trench	
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Micro Drainage Source Control 2015.1		

Model Details

Storage is Online Cover Level (m) 50.000

Cellular Storage Structure

Invert Level (m) 49.200 Safety Factor 2.0
Infiltration Coefficient Base (m/hr) 0.05940 Porosity 0.95
Infiltration Coefficient Side (m/hr) 0.05940

Depth (m)	Area (m ²)	Inf. Area (m ²)	Depth (m)	Area (m ²)	Inf. Area (m ²)
0.000	9.0	9.0	0.500	0.0	17.0
0.400	9.0	17.0			

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