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Willow Cottage Herne Lane Rustington BN16 3EE	80-86 Elmer Road Middleton-on-Sea	
Date 18 May 2018 File Front permeable.SRCX	Designed by RTFC Checked by	
Micro Drainage	Source Control 2016.1	

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

Half Drain Time : 10 minutes.

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m ³)	Status
15 min Summer	4.552	0.032	0.7	0.5	0 K
30 min Summer	4.558	0.038	0.8	0.6	0 K
60 min Summer	4.560	0.040	0.9	0.7	0 K
120 min Summer	4.557	0.037	0.8	0.6	0 K
180 min Summer	4.552	0.032	0.7	0.5	0 K
240 min Summer	4.549	0.029	0.6	0.4	0 K
360 min Summer	4.545	0.025	0.5	0.3	0 K
480 min Summer	4.543	0.023	0.5	0.3	0 K
600 min Summer	4.541	0.021	0.4	0.2	0 K
720 min Summer	4.540	0.020	0.3	0.2	0 K
960 min Summer	4.538	0.018	0.3	0.2	0 K
1440 min Summer	4.535	0.015	0.2	0.1	0 K
2160 min Summer	4.533	0.013	0.2	0.1	0 K
2880 min Summer	4.532	0.012	0.1	0.1	0 K
4320 min Summer	4.530	0.010	0.1	0.1	0 K
5760 min Summer	4.529	0.009	0.1	0.0	0 K
7200 min Summer	4.528	0.008	0.1	0.0	0 K
8640 min Summer	4.528	0.008	0.1	0.0	0 K
10080 min Summer	4.527	0.007	0.0	0.0	0 K
15 min Winter	4.556	0.036	0.8	0.6	0 K

Storm Event	Rain (mm/hr)	Flooded Volume (m ³)	Time-Peak (mins)
15 min Summer	124.633	0.0	14
30 min Summer	83.789	0.0	22
60 min Summer	53.779	0.0	38
120 min Summer	33.337	0.0	70
180 min Summer	24.832	0.0	100
240 min Summer	20.006	0.0	130
360 min Summer	14.706	0.0	188
480 min Summer	11.818	0.0	248
600 min Summer	9.966	0.0	310
720 min Summer	8.665	0.0	368
960 min Summer	6.943	0.0	490
1440 min Summer	5.071	0.0	734
2160 min Summer	3.696	0.0	1080
2880 min Summer	2.949	0.0	1436
4320 min Summer	2.142	0.0	2188
5760 min Summer	1.705	0.0	2840
7200 min Summer	1.427	0.0	3560
8640 min Summer	1.235	0.0	4272
10080 min Summer	1.093	0.0	5120
15 min Winter	124.633	0.0	14

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Model Details

Storage is Online Cover Level (m) 4.900

Porous Car Park Structure

Infiltration Coefficient Base (m/hr)	0.07124
Membrane Percolation (mm/hr)	1000
Max Percolation (l/s)	23.1
Safety Factor	1.5
Porosity	0.30
Invert Level (m)	4.520
Width (m)	16.6
Length (m)	5.0
Slope (1:X)	200.0
Depression Storage (mm)	5
Evaporation (mm/day)	3
Membrane Depth (m)	0

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