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Willow Cottage	Heron's Farm	
Herne Lane	Dappers Lane	
Rustington BN16 3EE	Angmering	
Date 19.2.18	Designed by RTFC	
File Trench soakaways.SRCX	Checked by	
Micro Drainage	Source Control 2016.1	

Summary of Results for 100 year Return Period (+30%)

Half Drain Time : 96 minutes.

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
15 min Summer	10.208	0.438	1.1	7.5	Flood Risk
30 min Summer	10.278	0.508	1.2	9.6	Flood Risk
60 min Summer	10.331	0.561	1.3	11.2	Flood Risk
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1440 min Summer	10.151	0.381	1.0	5.8	Flood Risk
2160 min Summer	10.098	0.328	0.8	4.3	OK
2880 min Summer	10.060	0.290	0.7	3.4	OK
4320 min Summer	10.007	0.237	0.6	2.2	OK
5760 min Summer	9.972	0.202	0.5	1.6	OK
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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	32
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120 min Summer	30.956	0.0	92
180 min Summer	23.058	0.0	126
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7200 min Summer	1.325	0.0	3672
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<u>Model Details</u> Storage is Online Cover Level (m) 10.450 <u>Trench Soakaway Structure</u> Infiltration Coefficient Base (m/hr) 0.05150 Infiltration Coefficient Side (m/hr) 0.05150 Safety Factor 1.5 Porosity 0.40 Invert Level (m) 9.770 Trench Width (m) 1.0 Trench Length (m) 75.6 Slope (1:X) 200.0 Cap Volume Depth (m) 0.000 Cap Infiltration Depth (m) 0.000		
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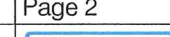
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