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11 Hawthorn Drive Towcester NN12 7AE	Roseway Stoke Golding	
Date 01.12.22 File 1716.SIM	Designed By ndp Checked By	
Micro Drainage	Simulation W.11.2	

On-Line Controls (Head/Flow)

US/PN	Volume (m ³)	Ctrl MH Name	Invert (m)	Headloss (m)	Flow (l/s)
1.008	0.748	12	104.450	0.1	5.6650
				0.2	11.6810
				0.3	12.2440
				0.4	12.2510
				0.5	12.0470
				0.6	11.7150
				0.7	11.0410
				0.8	10.3670
				0.9	10.9570
				1.0	11.5130
				1.2	12.5470
				1.4	13.0310
				1.6	13.0310
				1.8	13.0310
				2.0	13.0310
				2.2	13.0310

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Storage Pond at pipe 1.007 USMH HW1

Storage Pond Invert Level (m) 104.510

Depth (m)	Area (m ²)	Depth (m)	Area (m ²)	Depth (m)	Area (m ²)	Depth (m)	Area (m ²)	Depth (m)	Area (m ²)	Depth (m)	Area (m ²)
0.0	510.0	0.5	660.0	1.0	830.0	1.5	1010.0	2.0	0.0	2.5	0.0
0.1	535.0	0.6	700.0	1.1	865.0	1.6	0.0	2.1	0.0		
0.2	565.0	0.7	730.0	1.2	900.0	1.7	0.0	2.2	0.0		
0.3	600.0	0.8	760.0	1.3	935.0	1.8	0.0	2.3	0.0		
0.4	630.0	0.9	800.0	1.4	975.0	1.9	0.0	2.4	0.0		

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Summary of Results

Return Period (years)				30	Analysis Time Step		Fine
Storm Duration (mins)				1440	DTS Status		ON
Profile Type				Winter	DVD Status		OFF
Margin for Flood Risk warning (mm)				300	Inertia Status		OFF
PN	Water Lev. (m)	Surcharged Depth (m)	Flooded Vol (m³)	Flow/ Capacity	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000	109.236	-0.264	0.000	0.03	0.0	2.7	0 K
1.001	109.102	-0.258	0.000	0.05	0.0	3.8	0 K
1.002	108.867	-0.318	0.000	0.06	0.0	6.3	0 K
1.003	108.785	-0.315	0.000	0.06	0.0	10.2	0 K
2.000	108.732	-0.268	0.000	0.03	0.0	1.6	0 K
2.001	108.593	-0.257	0.000	0.05	0.0	3.2	0 K
1.004	108.283	-0.402	0.000	0.03	0.0	15.6	0 K
1.005	106.199	-0.401	0.000	0.03	0.0	17.8	0 K
3.000	106.306	-0.194	0.000	0.05	0.0	2.0	0 K
3.001	106.000	-0.200	0.000	0.03	0.0	3.4	0 K
1.006	104.911	-0.289	0.000	0.13	0.0	22.5	0 K
1.007	104.909	-0.872	0.000	0.00	0.0	18.0	0 K
1.008	104.988	0.038	0.000	0.09	0.0	15.9	SURCH'ED
1.009	105.087	0.187	0.000	0.04	0.0	12.1	SURCH'ED
1.010	104.234	-0.416	0.000	0.02	0.0	12.4	0 K