

Eastwood & Partners Ltd		Page 0
St Andrew's House 23 Kingfield Road Sheffield S11 9AS	Hanging Heaton Vistry Partnerships Yorkshire 45467	
Date 06/08/2021 File SW.MDX	Designed by BJM Checked by	
Micro Drainage	Network 2020.1	

Simulation Criteria for SW.SWS

Volumetric Runoff Coeff	0.840	Additional Flow - % of Total Flow	0.000
Areal Reduction Factor	1.000	MADD Factor * 10m ³ /ha Storage	0.000
Hot Start (mins)	0	Inlet Coefficient	0.800
Hot Start Level (mm)	0	Flow per Person per Day (l/per/day)	0.000
Manhole Headloss Coeff (Global)	0.500	Run Time (mins)	960
Foul Sewage per hectare (l/s)	0.000	Output Interval (mins)	8

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0
 Number of Online Controls 1 Number of Storage Structures 1 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model	FSR	Profile Type	Winter
Return Period (years)	30	Cv (Summer)	0.750
Region	England and Wales	Cv (Winter)	0.840
M5-60 (mm)	19.000	Storm Duration (mins)	480
Ratio R	0.350		

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Summary of Results for 480 minute 30 year Winter (SW.SWS)

Margin for Flood Risk Warning (mm) 450.0
 Analysis Timestep 2.5 Second Increment (Extended)
 DTS Status OFF
 DVD Status OFF
 Inertia Status OFF

PN	US/MH Name	Water	Surcharged	Flooded	Flow / Overflow		Half Drain	Pipe	Status
		Level (m)	Depth (m)	Volume (m³)			Time (mins)	Flow (l/s)	
1.000	1	112.750	-0.132	0.000	0.04			1.4	OK
2.000	2	113.110	-0.114	0.000	0.14			3.8	OK
2.001	3	112.370	-0.109	0.000	0.17			4.5	OK
2.002	4	111.887	-0.176	0.000	0.11			5.8	OK
2.003	5	111.702	-0.174	0.000	0.12			5.8	OK
2.004	6	111.558	-0.159	0.000	0.19			8.1	OK
1.001	7	111.452	-0.174	0.000	0.12			13.0	OK
1.002	8	110.221	-0.166	0.000	0.15			13.0	OK
1.003	9	109.859	-0.170	0.000	0.14			14.9	OK
1.004	10	107.139	-0.084	0.000	0.17			14.9	OK
3.000	11	113.345	-0.178	0.000	0.10			4.8	OK
3.001	12	113.022	-0.187	0.000	0.07			4.8	OK
3.002	13	112.518	-0.196	0.000	0.04			4.8	OK
3.003	14	111.704	-0.192	0.000	0.05			8.0	OK
3.004	15	109.361	-0.192	0.000	0.05			8.0	OK
1.005	16	107.137	0.110	0.000	0.26			25.1	SURCHARGED
1.006	17	107.135	0.445	0.000	0.18			3.1	SURCHARGED
1.007	18	105.654	-0.105	0.000	0.20			3.1	OK
1.008	19	105.534	-0.115	0.000	0.12			3.1	OK
1.009	20	104.141	-0.127	0.000	0.06			3.1	OK