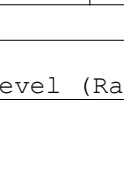


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1 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for NETWORK1-05.06.18.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet Coefficient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

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	Ratio R	0.334
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.500	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960
Return Period(s) (years)	1, 30, 100
Climate Change (%)	0, 0, 30

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surchage	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
1.000	1 15 Winter		1	+0%	100/15 Summer				83.388
1.001	2 15 Winter		1	+0%	100/15 Summer				83.161
1.002	3 15 Winter		1	+0%	100/15 Summer				82.952
1.003	4 15 Winter		1	+0%	100/15 Summer				82.545
1.004	5 15 Winter		1	+0%	30/15 Summer				82.318
2.000	6 15 Winter		1	+0%	100/15 Summer				81.348
2.001	7 15 Winter		1	+0%	30/15 Summer				81.140
3.000	8 15 Winter		1	+0%	30/15 Summer				81.218
2.002	9 15 Winter		1	+0%	30/15 Summer				81.068
2.003	10 15 Winter		1	+0%	30/15 Summer				81.029
1.005	11 15 Winter		1	+0%	30/15 Summer				80.965
1.006	12 15 Winter		1	+0%	30/15 Summer				80.922
1.007	13 15 Winter		1	+0%	30/15 Winter				80.856
4.000	14 15 Winter		1	+0%	100/15 Summer				81.349

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1 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for
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PN	US/MH Name	Surcharged Flooded		Flow / Overflow Cap. (l/s)	Time (mins)	Pipe		Level Exceeded
		Depth (m)	Volume (m³)			Flow (l/s)	Status	
1.000	1	-0.162	0.000	0.17		8.1	OK	
1.001	2	-0.138	0.000	0.32		14.9	OK	
1.002	3	-0.138	0.000	0.32		17.7	OK	
1.003	4	-0.144	0.000	0.28		17.6	OK	
1.004	5	-0.126	0.000	0.40		24.6	OK	
2.000	6	-0.150	0.000	0.24		10.1	OK	
2.001	7	-0.218	0.000	0.16		14.3	OK	
3.000	8	-0.117	0.000	0.46		17.0	OK	
2.002	9	-0.137	0.000	0.58		31.5	OK	
2.003	10	-0.137	0.000	0.57		31.3	OK	
1.005	11	-0.161	0.000	0.61		56.1	OK	
1.006	12	-0.164	0.000	0.61		57.5	OK	
1.007	13	-0.182	0.000	0.51		71.3	OK	
4.000	14	-0.180	0.000	0.09		4.6	OK	

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1 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for NETWORK1-05.06.18.SWS									
PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
4.001	15 15 Winter		1	+0%	100/15 Summer				81.048
4.002	16 15 Winter		1	+0%	100/15 Summer				80.918
4.003	17 15 Winter		1	+0%	100/15 Summer				80.648
5.000	18 15 Winter		1	+0%	100/15 Summer				81.295
5.001	19 15 Winter		1	+0%	100/15 Summer				81.014
1.008	20 15 Winter		1	+0%	100/15 Summer				80.532
1.009	21 15 Winter		1	+0%	100/15 Summer				79.803
6.000	22 15 Winter		1	+0%	100/15 Summer				79.921
6.001	23 15 Winter		1	+0%	100/15 Summer				79.825
6.002	24 15 Winter		1	+0%	30/15 Summer				79.793
6.003	25 15 Winter		1	+0%	30/15 Winter				79.589
6.004	26 15 Winter		1	+0%	30/15 Winter				79.520
7.000	27 15 Winter		1	+0%	100/15 Summer				79.966
7.001	28 15 Winter		1	+0%	100/15 Summer				79.736
1.010	29 15 Winter		1	+0%	30/15 Winter				79.311
1.011	30 15 Winter		1	+0%	30/15 Summer				78.807
8.000	31 15 Winter		1	+0%	30/15 Summer				79.062
8.001	32 15 Winter		1	+0%	30/15 Summer				78.926
1.012	33 15 Winter		1	+0%	30/15 Summer				78.757
9.000	34 15 Winter		1	+0%	100/15 Summer				82.585
10.000	35 15 Winter		1	+0%	30/15 Summer	100/15 Summer			81.806
10.001	36 15 Winter		1	+0%	30/15 Summer	100/15 Winter			81.699
9.001	37 15 Winter		1	+0%	30/15 Summer				81.587
9.002	38 15 Winter		1	+0%	30/15 Summer	100/15 Summer			81.342
9.003	39 15 Winter		1	+0%	30/15 Summer	100/15 Summer			81.059
9.004	40 15 Winter		1	+0%	30/15 Summer	100/15 Winter			80.678
9.005	41 15 Winter		1	+0%	30/15 Winter				80.356
11.000	42a 15 Winter		1	+0%	100/15 Summer				82.563
11.001	42 15 Winter		1	+0%	100/15 Summer				82.304
11.002	43 15 Winter		1	+0%	30/15 Summer	100/15 Winter			81.678
11.003	44 15 Winter		1	+0%	30/15 Summer	100/15 Winter			81.425
12.000	45 15 Winter		1	+0%	30/15 Summer				80.897
11.004	46 15 Winter		1	+0%	30/15 Summer				80.845
11.005	47 15 Winter		1	+0%	30/15 Summer	100/15 Winter			80.654
13.000	48 15 Winter		1	+0%	100/15 Summer				81.848
13.001	49 15 Winter		1	+0%	100/15 Summer				81.682
13.002	50 15 Winter		1	+0%	100/15 Summer				81.460
13.003	51 15 Winter		1	+0%	100/15 Summer				81.294
13.004	52 15 Winter		1	+0%	100/15 Summer				81.143
11.006	53 15 Winter		1	+0%	30/15 Summer				80.500
11.007	54 15 Winter		1	+0%	30/15 Summer				80.421
11.008	55 15 Winter		1	+0%	30/15 Summer	100/15 Winter			80.320
11.009	56 15 Winter		1	+0%	30/15 Summer				80.215
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Micro
Drainage

PN	US/MH Name	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Half Drain	Pipe	Status	Level Exceeded
		Depth (m)	Volume (m³)			Time (mins)	Flow (l/s)		
11.009	56	-0.179	0.000	0.53			62.9	OK	

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PN	US/MH		Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water
	Name	Storm							Level (m)
11.010	57	15 Winter	1	+0%	30/15 Summer				80.124
11.011	58	15 Winter	1	+0%	30/15 Summer				79.997
9.006	59	15 Winter	1	+0%	30/15 Summer				79.829
9.007	60	15 Winter	1	+0%	30/15 Summer				79.381
9.008	61	15 Winter	1	+0%	30/15 Summer				79.080
1.013	62	15 Winter	1	+0%	30/15 Summer				78.701
1.014	63	15 Winter	1	+0%	30/15 Summer				78.648
1.015	64	15 Winter	1	+0%	30/15 Summer				78.604
1.016	65	15 Winter	1	+0%	30/15 Summer				78.472
1.017	66	60 Summer	1	+0%	30/15 Summer				78.338
1.018	67	240 Winter	1	+0%	30/120 Winter				77.938
1.019	68	240 Winter	1	+0%	30/60 Winter				77.897
1.020	69	240 Winter	1	+0%	30/15 Winter				77.893

PN	US/MH Name	Surcharged Flooded		Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Level	
		Depth (m)	Volume (m³)					Status	Exceeded
11.010	57	-0.173	0.000	0.56			68.9	OK	
11.011	58	-0.161	0.000	0.62			72.7	OK	
9.006	59	-0.231	0.000	0.47			138.4	OK	
9.007	60	-0.222	0.000	0.51			141.2	OK	
9.008	61	-0.239	0.000	0.45			151.3	OK	
1.013	62	-0.197	0.000	0.68			321.6	OK	
1.014	63	-0.176	0.000	0.71			319.3	OK	
1.015	64	-0.163	0.000	1.10			319.7	OK	
1.016	65	-0.276	0.000	0.72			326.6	OK	
1.017	66	0.000	0.000	1.17			278.1	OK	
1.018	67	-0.369	0.000	0.38			71.6	OK	
1.019	68	-0.388	0.000	0.21			71.3	OK	
1.020	69	-0.077	0.000	0.76			71.3	OK	

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1)
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Simulation Criteria

Areal Reduction Factor 1.000	Additional Flow - % of Total Flow 0.000
Hot Start (mins) 0	MADD Factor * 10m³/ha Storage 2.000
Hot Start Level (mm) 0	Inlet Coefficient 0.800
Manhole Headloss Coeff (Global) 0.500	Flow per Person per Day (l/per/day) 0.000
Foul Sewage per hectare (l/s) 0.000	

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R 0.334
Region England and Wales Cv (Summer)	0.750	
M5-60 (mm)	18.500 Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep 2.5 Second Increment (Extended)	
DTS Status	OFF
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960
Return Period(s) (years)	1, 30, 100
Climate Change (%)	0, 0, 30

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
1.000	1 15	Winter	30	+0%	100/15	Summer			83.427
1.001	2 15	Winter	30	+0%	100/15	Summer			83.236
1.002	3 15	Winter	30	+0%	100/15	Summer			83.029
1.003	4 15	Winter	30	+0%	100/15	Summer			82.618
1.004	5 15	Winter	30	+0%	30/15	Summer			82.476
2.000	6 15	Winter	30	+0%	100/15	Summer			81.494
2.001	7 15	Winter	30	+0%	30/15	Summer			81.448
3.000	8 15	Winter	30	+0%	30/15	Summer			81.421
2.002	9 15	Winter	30	+0%	30/15	Summer			81.373
2.003	10 15	Winter	30	+0%	30/15	Summer			81.290
1.005	11 15	Winter	30	+0%	30/15	Summer			81.204
1.006	12 15	Winter	30	+0%	30/15	Summer			81.121
1.007	13 15	Winter	30	+0%	30/15	Winter			81.039
4.000	14 15	Winter	30	+0%	100/15	Summer			81.375

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1)
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PN	US/MH Name	Surcharged		Flooded		Half Drain	Pipe	Status	Level Exceeded
		Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)	Flow (l/s)		
1.000	1	-0.123	0.000	0.41			19.8	OK	
1.001	2	-0.063	0.000	0.84			39.7	OK	
1.002	3	-0.061	0.000	0.86			48.4	OK	
1.003	4	-0.070	0.000	0.76			48.0	OK	
1.004	5	0.033	0.000	1.08			66.8	SURCHARGED	
2.000	6	-0.004	0.000	0.59			24.7	OK	
2.001	7	0.090	0.000	0.38			33.6	SURCHARGED	
3.000	8	0.086	0.000	0.53			19.4	SURCHARGED	
2.002	9	0.169	0.000	0.87			47.8	SURCHARGED	
2.003	10	0.125	0.000	0.90			49.6	SURCHARGED	
1.005	11	0.078	0.000	1.17			107.2	SURCHARGED	
1.006	12	0.036	0.000	1.17			110.5	SURCHARGED	
1.007	13	0.000	0.000	1.01			140.5	SURCHARGED	
4.000	14	-0.154	0.000	0.21			11.4	OK	

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for NETWORK1-05.06.18.SWS									
PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
4.001	15 15 Winter		30	+0%	100/15 Summer				81.075
4.002	16 15 Winter		30	+0%	100/15 Summer				80.981
4.003	17 15 Winter		30	+0%	100/15 Summer				80.743
5.000	18 15 Winter		30	+0%	100/15 Summer				81.319
5.001	19 15 Winter		30	+0%	100/15 Summer				81.074
1.008	20 15 Winter		30	+0%	100/15 Summer				80.661
1.009	21 15 Winter		30	+0%	100/15 Summer				79.940
6.000	22 15 Winter		30	+0%	100/15 Summer				79.988
6.001	23 15 Winter		30	+0%	100/15 Summer				79.976
6.002	24 15 Winter		30	+0%	30/15 Summer				79.967
6.003	25 15 Winter		30	+0%	30/15 Winter				79.884
6.004	26 15 Winter		30	+0%	30/15 Winter				79.803
7.000	27 15 Winter		30	+0%	100/15 Summer				79.991
7.001	28 15 Winter		30	+0%	100/15 Summer				79.790
1.010	29 15 Winter		30	+0%	30/15 Winter				79.722
1.011	30 15 Winter		30	+0%	30/15 Summer				79.492
8.000	31 15 Winter		30	+0%	30/15 Summer				79.590
8.001	32 15 Winter		30	+0%	30/15 Summer				79.503
1.012	33 15 Winter		30	+0%	30/15 Summer				79.421
9.000	34 15 Winter		30	+0%	100/15 Summer				82.617
10.000	35 15 Winter		30	+0%	30/15 Summer	100/15 Summer			82.096
10.001	36 15 Winter		30	+0%	30/15 Summer	100/15 Winter			82.082
9.001	37 15 Winter		30	+0%	30/15 Summer				81.970
9.002	38 15 Winter		30	+0%	30/15 Summer	100/15 Summer			81.710
9.003	39 15 Winter		30	+0%	30/15 Summer	100/15 Summer			81.465
9.004	40 15 Winter		30	+0%	30/15 Summer	100/15 Winter			81.000
9.005	41 15 Winter		30	+0%	30/15 Winter				80.594
11.000	42a 15 Winter		30	+0%	100/15 Summer				82.598
11.001	42 15 Winter		30	+0%	100/15 Summer				82.367
11.002	43 15 Winter		30	+0%	30/15 Summer	100/15 Winter			81.930
11.003	44 15 Winter		30	+0%	30/15 Summer	100/15 Winter			81.658
12.000	45 15 Winter		30	+0%	30/15 Summer				81.257
11.004	46 15 Winter		30	+0%	30/15 Summer				81.253
11.005	47 15 Winter		30	+0%	30/15 Summer	100/15 Winter			81.127
13.000	48 15 Winter		30	+0%	100/15 Summer				81.884
13.001	49 15 Winter		30	+0%	100/15 Summer				81.724
13.002	50 15 Winter		30	+0%	100/15 Summer				81.511
13.003	51 15 Winter		30	+0%	100/15 Summer				81.345
13.004	52 15 Winter		30	+0%	100/15 Summer				81.214
11.006	53 15 Winter		30	+0%	30/15 Summer				80.977
11.007	54 15 Winter		30	+0%	30/15 Summer				80.891
11.008	55 15 Winter		30	+0%	30/15 Summer	100/15 Winter			80.789
11.009	56 15 Winter		30	+0%	30/15 Summer				80.685
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<u>30 year Return Period Summary of Critical Results by Maximum Level (Rank 1)</u> <u>for NETWORK1-05.06.18.SWS</u>									
		Surcharged	Flooded		Half Drain	Pipe			
PN	US/MH Name	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)	Pipe Flow (l/s)	Status	Level Exceeded
11.009	56	0.291	0.000	1.08			127.4	SURCHARGED	
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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1)
for NETWORK1-05.06.18.SWS

PN	US/MH		Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water
	Name	Storm							Level (m)
11.010	57	15 Winter	30	+0%	30/15 Summer				80.583
11.011	58	15 Winter	30	+0%	30/15 Summer				80.443
9.006	59	15 Winter	30	+0%	30/15 Summer				80.320
9.007	60	15 Winter	30	+0%	30/15 Summer				79.937
9.008	61	15 Winter	30	+0%	30/15 Summer				79.665
1.013	62	15 Winter	30	+0%	30/15 Summer				79.361
1.014	63	15 Winter	30	+0%	30/15 Summer				79.190
1.015	64	15 Winter	30	+0%	30/15 Summer				79.014
1.016	65	15 Winter	30	+0%	30/15 Summer				78.837
1.017	66	30 Winter	30	+0%	30/15 Summer				78.454
1.018	67	240 Winter	30	+0%	30/120 Winter				78.395
1.019	68	120 Winter	30	+0%	30/60 Winter				78.571
1.020	69	120 Winter	30	+0%	30/15 Winter				78.582

PN	US/MH Name	Surcharged		Flooded		Half Drain Time (mins)	Pipe Flow (l/s)	Status	Level Exceeded
		Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)				
11.010	57	0.286	0.000	1.05			130.4	SURCHARGED	
11.011	58	0.285	0.000	1.13			133.5	SURCHARGED	
9.006	59	0.260	0.000	0.96			279.0	SURCHARGED	
9.007	60	0.334	0.000	1.01			277.5	SURCHARGED	
9.008	61	0.346	0.000	0.87			292.5	SURCHARGED	
1.013	62	0.464	0.000	1.37			651.4	SURCHARGED	
1.014	63	0.366	0.000	1.46			655.9	SURCHARGED	
1.015	64	0.247	0.000	2.25			656.2	SURCHARGED	
1.016	65	0.089	0.000	1.48			672.3	SURCHARGED	
1.017	66	0.116	0.000	2.82			669.9	SURCHARGED	
1.018	67	0.088	0.000	0.93			173.8	SURCHARGED	
1.019	68	0.286	0.000	0.41			140.3	SURCHARGED	
1.020	69	0.612	0.000	0.84			79.1	SURCHARGED	

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1)
for NETWORK1-05.06.18.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet Coefficient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

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	Ratio R	0.334
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.500	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm) 300.0
Analysis Timestep 2.5 Second Increment (Extended)
DTS Status OFF
DVD Status ON
Inertia Status ON

Profile(s) Summer and Winter
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960
Return Period(s) (years) 1, 30, 100
Climate Change (%) 0, 0, 30

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
1.000	1 15 Winter		100	+30%	100/15 Summer				83.774
1.001	2 15 Winter		100	+30%	100/15 Summer				83.685
1.002	3 15 Winter		100	+30%	100/15 Summer				83.416
1.003	4 15 Winter		100	+30%	100/15 Summer				82.901
1.004	5 15 Winter		100	+30%	30/15 Summer				82.677
2.000	6 15 Winter		100	+30%	100/15 Summer				82.527
2.001	7 15 Winter		100	+30%	30/15 Summer				82.464
3.000	8 15 Winter		100	+30%	30/15 Summer				82.426
2.002	9 15 Winter		100	+30%	30/15 Summer				82.363
2.003	10 15 Winter		100	+30%	30/15 Summer				82.277
1.005	11 15 Winter		100	+30%	30/15 Summer				82.192
1.006	12 15 Winter		100	+30%	30/15 Summer				82.095
1.007	13 15 Winter		100	+30%	30/15 Winter				82.005
4.000	14 15 Winter		100	+30%	100/15 Summer				81.786

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Innovyze	Network 2020.1	

100 year Return Period Summary of Critical Results by Maximum Level (Rank 1)
for NETWORK1-05.06.18.SWS

PN	US/MH Name	Surcharged		Flooded		Flow / Overflow Cap. (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status	Level Exceeded
		Depth (m)	Volume (m³)	Flow / Overflow Cap. (l/s)	Flow / Overflow Cap. (l/s)					
1.000	1	0.224	0.000	0.60				28.8	SURCHARGED	
1.001	2	0.386	0.000	1.11				52.5	SURCHARGED	
1.002	3	0.326	0.000	1.12				63.0	SURCHARGED	
1.003	4	0.213	0.000	1.03				65.4	SURCHARGED	
1.004	5	0.233	0.000	1.44				89.1	SURCHARGED	
2.000	6	1.029	0.000	0.71				30.2	FLOOD RISK	
2.001	7	1.106	0.000	0.45				39.5	SURCHARGED	
3.000	8	1.091	0.000	0.72				26.2	SURCHARGED	
2.002	9	1.159	0.000	1.23				67.5	SURCHARGED	
2.003	10	1.111	0.000	1.36				74.9	SURCHARGED	
1.005	11	1.066	0.000	1.47				134.4	SURCHARGED	
1.006	12	1.009	0.000	1.51				142.8	SURCHARGED	
1.007	13	0.966	0.000	1.21				168.0	SURCHARGED	
4.000	14	0.257	0.000	0.36				19.2	SURCHARGED	

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<u>100 year Return Period Summary of Critical Results by Maximum Level (Rank 1)</u> <u>for NETWORK1-05.06.18.SWS</u>									
PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
4.001	15	15 Winter	100	+30%	100/15 Summer				81.760
4.002	16	15 Winter	100	+30%	100/15 Summer				81.744
4.003	17	15 Winter	100	+30%	100/15 Summer				81.654
5.000	18	15 Winter	100	+30%	100/15 Summer				81.727
5.001	19	15 Winter	100	+30%	100/15 Summer				81.707
1.008	20	15 Winter	100	+30%	100/15 Summer				81.572
1.009	21	15 Winter	100	+30%	100/15 Summer				80.895
6.000	22	30 Winter	100	+30%	100/15 Summer				80.916
6.001	23	30 Winter	100	+30%	100/15 Summer				80.905
6.002	24	30 Winter	100	+30%	30/15 Summer				80.896
6.003	25	30 Winter	100	+30%	30/15 Winter				80.754
6.004	26	30 Winter	100	+30%	30/15 Winter				80.664
7.000	27	30 Winter	100	+30%	100/15 Summer				80.654
7.001	28	15 Winter	100	+30%	100/15 Summer				80.636
1.010	29	15 Winter	100	+30%	30/15 Winter				80.580
1.011	30	30 Winter	100	+30%	30/15 Summer				80.219
8.000	31	15 Winter	100	+30%	30/15 Summer				80.259
8.001	32	30 Winter	100	+30%	30/15 Summer				80.141
1.012	33	30 Winter	100	+30%	30/15 Summer				80.060
9.000	34	15 Winter	100	+30%	100/15 Summer				83.333
10.000	35	15 Winter	100	+30%	30/15 Summer	100/15 Summer			83.187
10.001	36	15 Winter	100	+30%	30/15 Summer	100/15 Winter			83.245
9.001	37	15 Winter	100	+30%	30/15 Summer				83.168
9.002	38	15 Winter	100	+30%	30/15 Summer	100/15 Summer			82.842
9.003	39	15 Winter	100	+30%	30/15 Summer	100/15 Summer			82.545
9.004	40	30 Winter	100	+30%	30/15 Summer	100/15 Winter			82.101
9.005	41	30 Winter	100	+30%	30/15 Winter				81.680
11.000	42a	15 Winter	100	+30%	100/15 Summer				83.451
11.001	42	15 Winter	100	+30%	100/15 Summer				83.391
11.002	43	15 Winter	100	+30%	30/15 Summer	100/15 Winter			83.024
11.003	44	15 Winter	100	+30%	30/15 Summer	100/15 Winter			82.756
12.000	45	15 Winter	100	+30%	30/15 Summer				82.235
11.004	46	15 Winter	100	+30%	30/15 Summer				82.223
11.005	47	30 Winter	100	+30%	30/15 Summer	100/15 Winter			82.001
13.000	48	30 Winter	100	+30%	100/15 Summer				82.242
13.001	49	30 Winter	100	+30%	100/15 Summer				82.216
13.002	50	30 Winter	100	+30%	100/15 Summer				82.179
13.003	51	30 Winter	100	+30%	100/15 Summer				82.130
13.004	52	30 Winter	100	+30%	100/15 Summer				82.090
11.006	53	30 Winter	100	+30%	30/15 Summer				81.899
11.007	54	15 Winter	100	+30%	30/15 Summer				81.812
11.008	55	30 Winter	100	+30%	30/15 Summer	100/15 Winter			81.702
11.009	56	30 Winter	100	+30%	30/15 Summer				81.632
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<u>100 year Return Period Summary of Critical Results by Maximum Level (Rank 1)</u> <u>for NETWORK1-05.06.18.SWS</u>										
		Surcharged	Flooded			Half Drain	Pipe			
PN	US/MH Name	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)	Flow (l/s)	Status	Level Exceeded	
11.009	56	1.238	0.000	1.17			138.2	FLOOD RISK		
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Micro
Drainage

100 year Return Period Summary of Critical Results by Maximum Level (Rank 1)
for NETWORK1-05.06.18.SWS

									Water
	US/MH			Return Climate	First (X)	First (Y)	First (Z)	Overflow	Level
PN	Name	Storm	Period	Change	Surcharge	Flood	Overflow	Act.	(m)
11.010	57	30 Winter	100	+30%	30/15 Summer				81.540
11.011	58	30 Winter	100	+30%	30/15 Summer				81.408
9.006	59	30 Winter	100	+30%	30/15 Summer				81.275
9.007	60	30 Winter	100	+30%	30/15 Summer				80.779
9.008	61	30 Winter	100	+30%	30/15 Summer				80.410
1.013	62	30 Winter	100	+30%	30/15 Summer				79.948
1.014	63	30 Winter	100	+30%	30/15 Summer				79.643
1.015	64	30 Winter	100	+30%	30/15 Summer				79.325
1.016	65	30 Winter	100	+30%	30/15 Summer				79.008
1.017	66	240 Winter	100	+30%	30/15 Summer				78.863
1.018	67	240 Winter	100	+30%	30/120 Winter				78.845
1.019	68	120 Winter	100	+30%	30/60 Winter				79.190
1.020	69	120 Winter	100	+30%	30/15 Winter				79.189

PN	US/MH	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Half Drain	Pipe	Status	Level
	Name	Depth (m)	Volume (m³)			Time (mins)	Flow (l/s)		Exceeded
11.010	57	1.243	0.000	1.20			148.8	FLOOD RISK	
11.011	58	1.250	0.000	1.34			158.4	FLOOD RISK	
9.006	59	1.215	0.000	1.07			312.1	FLOOD RISK	
9.007	60	1.177	0.000	1.16			320.0	FLOOD RISK	
9.008	61	1.091	0.000	1.05			353.7	SURCHARGED	
1.013	62	1.050	0.000	1.82			862.1	SURCHARGED	
1.014	63	0.819	0.000	1.96			880.9	SURCHARGED	
1.015	64	0.558	0.000	3.03			881.6	SURCHARGED	
1.016	65	0.260	0.000	2.04			926.7	SURCHARGED	
1.017	66	0.525	0.000	1.84			438.6	SURCHARGED	
1.018	67	0.538	0.000	1.81			337.7	SURCHARGED	
1.019	68	0.905	0.000	0.58			197.7	SURCHARGED	
1.020	69	1.219	0.000	1.51			141.4	SURCHARGED	