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25 Hollingworth Court Kent ME14 5PP	3474 2 VALE ROAD NETWORK - P01	
Date 02/11/2021 11:27 File 3474-Network-P01.MDX	Designed by MJF Checked by JEM	
Innovyze	Network 2020.1.3	

STORM SEWER DESIGN by the Modified Rational Method

Design Criteria for Storm

Pipe Sizes STANDARD Manhole Sizes STANDARD

FEH Rainfall Model

Return Period (years)	2	Volumetric Runoff Coeff.	0.750
		PIMP (%)	100
FEH Rainfall Version	2013	Add Flow / Climate Change (%)	0
Site Location	GB 562797 173610 TQ 62797 73610	Minimum Backdrop Height (m)	0.200
Data Type	Point	Maximum Backdrop Height (m)	1.500
Maximum Rainfall (mm/hr)	50	Min Design Depth for Optimisation (m)	1.200
Maximum Time of Concentration (mins)	30	Min Vel for Auto Design only (m/s)	1.00
Foul Sewage (l/s/ha)	0.000	Min Slope for Optimisation (1:X)	500

Designed with Level Soffits

Network Design Table for Storm

« - Indicates pipe capacity < flow

PN	Length	Fall	Slope	I.Area	T.E.	Base	k	HYD	DIA	Section Type	Auto
(m)	(m)	(1:X)	(ha)	(mins)	Flow	(l/s)	(mm)	SECT	(mm)		Design

Network Results Table

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Network Design Table for Storm

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section	Type	Auto Design
S1.000	9.201	0.230	40.0	0.008	6.00	0.0	0.600	o	100	Pipe/Conduit		
S1.001	7.586	0.095	79.9	0.007	0.00	0.0	0.600	o	100	Pipe/Conduit		
S2.000	6.809	0.325	21.0	0.004	6.00	0.0	0.600	o	100	Pipe/Conduit		
S1.002	5.793	0.097	59.7	0.000	0.00	0.0	0.600	o	100	Pipe/Conduit		
S1.003	10.654	0.196	54.4	0.015	0.00	0.0	0.600	o	225	Pipe/Conduit		
S3.000	2.642	0.592	4.5	0.002	6.00	0.0	0.600	o	100	Pipe/Conduit		

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	E I.Area (ha)	E Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S1.000	50.00	6.13	21.950	0.008	0.0	0.0	0.0	1.22	9.6	1.1
S1.001	50.00	6.27	21.720	0.015	0.0	0.0	0.0	0.86	6.8	2.0
S2.000	50.00	6.07	21.950	0.004	0.0	0.0	0.0	1.69	13.3	0.5
S1.002	50.00	6.37	21.625	0.019	0.0	0.0	0.0	1.00	7.8	2.6
S1.003	50.00	6.47	21.554	0.034	0.0	0.0	0.0	1.78	70.7	4.6
S3.000	50.00	6.01	21.950	0.002	0.0	0.0	0.0	3.69	29.0	0.3

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Network Design Table for Storm

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section	Type	Auto Design
S1.004	23.187	0.419	55.3	0.015	0.00	0.0	0.600	o	225	Pipe/Conduit		
S1.005	1.119	0.010	111.9	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit		
S4.000	6.216	0.692	9.0	0.006	6.00	0.0	0.600	o	100	Pipe/Conduit		
S1.006	11.288	0.093	121.4	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit		
S5.000	6.216	0.969	6.4	0.008	6.00	0.0	0.600	o	100	Pipe/Conduit		
S1.007	5.640	0.133	42.4	0.002	0.00	0.0	0.600	o	225	Pipe/Conduit		

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S1.004	50.00	6.69	21.358	0.051	0.0	0.0	0.0	1.76	70.1	6.9
S1.005	50.00	6.70	20.939	0.051	0.0	0.0	0.0	1.24	49.1	6.9
S4.000	50.00	6.04	21.671	0.006	0.0	0.0	0.0	2.59	20.4	0.8
S1.006	50.00	6.86	20.929	0.057	0.0	0.0	0.0	1.19	47.1	7.7
S5.000	50.00	6.03	21.855	0.008	0.0	0.0	0.0	3.07	24.1	1.1
S1.007	50.00	6.91	20.836	0.067	0.0	0.0	0.0	2.01	80.1	9.1

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Network Design Table for Storm

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow	k (l/s)	HYD SECT	DIA (mm)	Section	Type	Auto Design
S1.010	9.877	0.025	395.1	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit		
S1.011	14.173	-1.848	-7.7	0.000	0.00	0.0	0.600	o	100	Pipe/Conduit		
S1.012	2.123	0.053	40.1	0.000	0.00	0.0	0.600	o	100	Pipe/Conduit		

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S1.010	50.00	7.47	20.651	0.207	0.0	0.0	0.0	0.65	25.9«	28.0
S1.011	45.67	10.87	20.626	0.207	0.0	0.0	0.0	0.07	0.5«	28.0
S1.012	45.60	10.90	22.474	0.207	0.0	0.0	0.0	1.22	9.6«	28.0

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Manhole Schedules for Storm											
MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam., L*W (mm)	PN	Pipe Out Invert Level (m)	Diameter (mm)	PN	Pipes In Invert Level (m)	Diameter (mm)	Backdrop (mm)
SRE1.1	22.700	0.750	Open Manhole	100	S1.000	21.950	100				
SS1	22.700	0.980	Open Manhole	450	S1.001	21.720	100	S1.000	21.720	100	
SRE1.2	22.700	0.750	Open Manhole	100	S2.000	21.950	100				
SJUNCT	22.700	1.075	Junction		S1.002	21.625	100	S1.001	21.625	100	
								S2.000	21.625	100	
SS2	22.700	1.172	Open Manhole	600	S1.003	21.554	225	S1.002	21.528	100	
SRE2.1	22.700	0.750	Open Manhole	100	S3.000	21.950	100				
SJUNCT	22.700	1.342	Junction		S1.004	21.358	225	S1.003	21.358	225	
								S3.000	21.358	100	
SS3	22.705	1.766	Open Manhole	600	S1.005	20.939	225	S1.004	20.939	225	
SRE3.1	22.553	0.882	Open Manhole	100	S4.000	21.671	100				
SJUNCT	22.703	1.774	Junction		S1.006	20.929	225	S1.005	20.929	225	
								S4.000	20.979	100	
SRE4.1	22.737	0.882	Open Manhole	100	S5.000	21.855	100				
SS4	22.725	1.889	Open Manhole	600	S1.007	20.836	225	S1.006	20.836	225	
								S5.000	20.886	100	
SRE5.1	22.604	0.550	Open Manhole	100	S6.000	22.054	100				
SS5	22.678	0.780	Open Manhole	450	S6.001	21.898	150	S6.000	21.898	100	
SRE6.1	22.506	0.750	Open Manhole	100	S7.000	21.756	100				
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<u>PIPELINE SCHEDULES for Storm</u> <u>Upstream Manhole</u> <table><thead><tr><th>PN</th><th>Hyd Sect</th><th>Diam (mm)</th><th>MH Name</th><th>C.Level (m)</th><th>I.Level (m)</th><th>D.Depth (m)</th><th>MH Connection</th><th>MH DIAM., L*W (mm)</th></tr></thead><tbody><tr><td>S1.000</td><td>o</td><td>100</td><td>SRE1.1</td><td>22.700</td><td>21.950</td><td>0.650</td><td>Open Manhole</td><td>100</td></tr><tr><td>S1.001</td><td>o</td><td>100</td><td>SS1</td><td>22.700</td><td>21.720</td><td>0.880</td><td>Open Manhole</td><td>450</td></tr><tr><td>S2.000</td><td>o</td><td>100</td><td>SRE1.2</td><td>22.700</td><td>21.950</td><td>0.650</td><td>Open Manhole</td><td>100</td></tr><tr><td>S1.002</td><td>o</td><td>100</td><td>SJUNCT</td><td>22.700</td><td>21.625</td><td>0.975</td><td>Junction</td><td></td></tr><tr><td>S1.003</td><td>o</td><td>225</td><td>SS2</td><td>22.700</td><td>21.554</td><td>0.921</td><td>Open Manhole</td><td>600</td></tr><tr><td>S3.000</td><td>o</td><td>100</td><td>SRE2.1</td><td>22.700</td><td>21.950</td><td>0.650</td><td>Open Manhole</td><td>100</td></tr></tbody></table> <u>Downstream Manhole</u> <table><thead><tr><th>PN</th><th>Length (m)</th><th>Slope (1:X)</th><th>MH Name</th><th>C.Level (m)</th><th>I.Level (m)</th><th>D.Depth (m)</th><th>MH Connection</th><th>MH DIAM., L*W (mm)</th></tr></thead><tbody><tr><td>S1.000</td><td>9.201</td><td>40.0</td><td>SS1</td><td>22.700</td><td>21.720</td><td>0.880</td><td>Open Manhole</td><td>450</td></tr><tr><td>S1.001</td><td>7.586</td><td>79.9</td><td>SJUNCT</td><td>22.700</td><td>21.625</td><td>0.975</td><td>Junction</td><td></td></tr><tr><td>S2.000</td><td>6.809</td><td>21.0</td><td>SJUNCT</td><td>22.700</td><td>21.625</td><td>0.975</td><td>Junction</td><td></td></tr><tr><td>S1.002</td><td>5.793</td><td>59.7</td><td>SS2</td><td>22.700</td><td>21.528</td><td>1.072</td><td>Open Manhole</td><td>600</td></tr><tr><td>S1.003</td><td>10.654</td><td>54.4</td><td>SJUNCT</td><td>22.700</td><td>21.358</td><td>1.117</td><td>Junction</td><td></td></tr><tr><td>S3.000</td><td>2.642</td><td>4.5</td><td>SJUNCT</td><td>22.700</td><td>21.358</td><td>1.242</td><td>Junction</td><td></td></tr></tbody></table>										PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)	S1.000	o	100	SRE1.1	22.700	21.950	0.650	Open Manhole	100	S1.001	o	100	SS1	22.700	21.720	0.880	Open Manhole	450	S2.000	o	100	SRE1.2	22.700	21.950	0.650	Open Manhole	100	S1.002	o	100	SJUNCT	22.700	21.625	0.975	Junction		S1.003	o	225	SS2	22.700	21.554	0.921	Open Manhole	600	S3.000	o	100	SRE2.1	22.700	21.950	0.650	Open Manhole	100	PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)	S1.000	9.201	40.0	SS1	22.700	21.720	0.880	Open Manhole	450	S1.001	7.586	79.9	SJUNCT	22.700	21.625	0.975	Junction		S2.000	6.809	21.0	SJUNCT	22.700	21.625	0.975	Junction		S1.002	5.793	59.7	SS2	22.700	21.528	1.072	Open Manhole	600	S1.003	10.654	54.4	SJUNCT	22.700	21.358	1.117	Junction		S3.000	2.642	4.5	SJUNCT	22.700	21.358	1.242	Junction	
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PIPELINE SCHEDULES for Storm

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S1.004	o	225	SJUNCT	22.700	21.358	1.117	Junction	
S1.005	o	225	SS3	22.705	20.939	1.541	Open Manhole	600
S4.000	o	100	SRE3.1	22.553	21.671	0.782	Open Manhole	100
S1.006	o	225	SJUNCT	22.703	20.929	1.549	Junction	
S5.000	o	100	SRE4.1	22.737	21.855	0.782	Open Manhole	100

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S1.004	23.187	55.3	SS3	22.705	20.939	1.541	Open Manhole	600
S1.005	1.119	111.9	SJUNCT	22.703	20.929	1.549	Junction	
S4.000	6.216	9.0	SJUNCT	22.703	20.979	1.624	Junction	
S1.006	11.288	121.4	SS4	22.725	20.836	1.664	Open Manhole	600
S5.000	6.216	6.4	SS4	22.725	20.886	1.739	Open Manhole	600

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PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S1.007	o	225	SS4	22.725	20.836	1.664	Open Manhole	600
S6.000	o	100	SRE5.1	22.604	22.054	0.450	Open Manhole	100
S6.001	o	150	SS5	22.678	21.898	0.630	Open Manhole	450
S7.000	o	100	SRE6.1	22.506	21.756	0.650	Open Manhole	100
S6.002	o	225	SS6	22.703	20.743	1.735	Open Manhole	600

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S1.007	5.640	42.4	SJUNCT	22.725	20.703	1.797	Junction	
S6.000	9.311	59.7	SS5	22.678	21.898	0.680	Open Manhole	450
S6.001	17.557	15.2	SS6	22.703	20.743	1.810	Open Manhole	600
S7.000	11.156	11.6	SS6	22.703	20.793	1.810	Open Manhole	600
S6.002	8.188	204.7	SJUNCT	22.725	20.703	1.797	Junction	

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Kent	2 VALE ROAD	
ME14 5PP	NETWORK - P01	
Date 02/11/2021 11:27	Designed by MJF	
File 3474-Network-P01.MDX	Checked by JEM	
Innovyze	Network 2020.1.3	
<u>Online Controls for Storm</u> <u>Pump Manhole: SSWP12, DS/PN: S1.011, Volume (m³): 1.0</u> Invert Level (m) 20.626 Depth (m) Flow (l/s) 0.001 2.0000		
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<u>Storage Structures for Storm</u> <u>Cellular Storage Manhole: SATT1, DS/PN: S1.010</u> Invert Level (m) 20.651 Infiltration Coefficient Side (m/hr) 0.00000 Porosity 0.95 Infiltration Coefficient Base (m/hr) 0.00000 Safety Factor 2.0 <table><thead><tr><th>Depth (m)</th><th>Area (m²)</th><th>Inf. Area (m²)</th><th>Depth (m)</th><th>Area (m²)</th><th>Inf. Area (m²)</th><th>Depth (m)</th><th>Area (m²)</th><th>Inf. Area (m²)</th></tr></thead><tbody><tr><td>0.000</td><td>92.0</td><td>92.0</td><td>1.600</td><td>92.0</td><td>153.4</td><td>1.601</td><td>0.0</td><td>153.4</td></tr></tbody></table>			Depth (m)	Area (m²)	Inf. Area (m²)	Depth (m)	Area (m²)	Inf. Area (m²)	Depth (m)	Area (m²)	Inf. Area (m²)	0.000	92.0	92.0	1.600	92.0	153.4	1.601	0.0	153.4
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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surchage	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water	Surcharged	Flooded	Half Drain		
									Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (1/s)	Time (mins)
S1.001	SS1	15 Winter	2	+0%	100/15 Summer				21.762	-0.058	0.000	0.36		
S2.000	SRE1.2	15 Winter	2	+0%	100/15 Winter				21.965	-0.085	0.000	0.05		
S1.002	SJUNCT	15 Winter	2	+0%					21.667	-0.058	0.000	0.37		
S1.003	SS2	15 Winter	2	+0%	100/15 Summer				21.598	-0.181	0.000	0.08		
S3.000	SRE2.1	15 Winter	2	+0%					21.957	-0.093	0.000	0.01		
S1.004	SJUNCT	15 Winter	2	+0%					21.407	-0.176	0.000	0.11		
S1.005	SS3	15 Winter	2	+0%	30/15 Summer				21.015	-0.149	0.000	0.25		
S4.000	SRE3.1	15 Winter	2	+0%	100/15 Summer				21.686	-0.085	0.000	0.05		
S1.006	SJUNCT	15 Winter	2	+0%					20.996	-0.158	0.000	0.20		
S5.000	SRE4.1	15 Winter	2	+0%	100/360 Winter				21.870	-0.085	0.000	0.06		
S1.007	SS4	15 Winter	2	+0%	30/15 Summer				20.936	-0.125	0.000	0.19		
S6.000	SRE5.1	15 Winter	2	+0%					22.085	-0.069	0.000	0.22		
S6.001	SS5	15 Winter	2	+0%					21.932	-0.116	0.000	0.11		
S7.000	SRE6.1	15 Winter	2	+0%	100/240 Winter				21.765	-0.091	0.000	0.02		
S6.002	SS6	15 Winter	2	+0%	30/15 Summer				20.934	-0.034	0.000	0.19		
S1.008	SJUNCT	15 Winter	2	+0%					20.928	0.000	0.000	0.55		
S8.000	SRE7.1	15 Winter	2	+0%	30/15 Summer				21.746	-0.054	0.000	0.44		
S9.000	SRE7.2	15 Winter	2	+0%	100/15 Summer				21.678	-0.077	0.000	0.12		
S8.001	SS7	15 Winter	2	+0%	30/15 Summer				21.547	-0.047	0.000	0.55		
S10.000	SRE8.1	15 Winter	2	+0%	100/15 Winter				21.708	-0.083	0.000	0.07		
S8.002	SS8	15 Winter	2	+0%	100/15 Summer				21.363	-0.101	0.000	0.23		
S11.000	SRE9.1	15 Winter	2	+0%	100/15 Summer				22.516	-0.064	0.000	0.29		
S12.000	SRE9.2	15 Summer	2	+0%	100/15 Summer				21.893	-0.100	0.000	0.00		
S11.001	SS9	15 Winter	2	+0%	30/15 Summer				21.843	-0.052	0.000	0.47		
S13.000	SRE10.1	15 Winter	2	+0%					22.499	-0.073	0.000	0.17		

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<u>2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm</u>			
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PN	US/MH Name	Pipe Flow (l/s)	Status	Level Exceeded									
S13.000	SRE10.1	1.7	OK										
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<u>30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm</u> <u>Simulation Criteria</u> Areal Reduction Factor 1.000 Manhole Headloss Coeff (Global) 0.500 MADD Factor * 10m³/ha Storage 2.000 Hot Start (mins) 0 Foul Sewage per hectare (l/s) 0.000 Inlet Coefficient 0.800 Hot Start Level (mm) 0 Additional Flow - % of Total Flow 0.000 Flow per Person per Day (l/per/day) 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 <u>Synthetic Rainfall Details</u> Rainfall Model FEH Data Type Point FEH Rainfall Version 2013 Cv (Summer) 0.750 Site Location GB 562797 173610 TQ 62797 73610 Cv (Winter) 0.840 Margin for Flood Risk Warning (mm) 300.0 DVD Status ON Analysis Timestep 2.5 Second Increment (Extended) Inertia Status ON DTS Status ON Profile(s) Summer and Winter Duration(s) (mins) 15, 30, 60, 120, 240, 360, 480, 960, 1440 Return Period(s) (years) 2, 30, 100 Climate Change (%) 0, 0, 20 WARNING: Half Drain Time has not been calculated as the structure is too full.		
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PN	US/MH Name	Pipe Flow (l/s)	Status	Level Exceeded									
S11.001	SS9	8.4	SURCHARGED										
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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water	Surcharged	Flooded	Half Drain	
									Level (m)	Depth (m)	Volume (m³)	Flow / Overflow Cap. (l/s)	Time (mins)
S13.000	SRE10.1	15 Winter	30	+0%					22.516	-0.056	0.000	0.41	
S13.001	SS10	15 Winter	30	+0%					22.029	-0.085	0.000	0.39	
S1.009	SS11-CP	240 Winter	30	+0%	2/15 Summer				21.362	0.476	0.000	0.65	
S1.010	SATT1	240 Winter	30	+0%	2/120 Winter				21.360	0.484	0.000	0.10	
S1.011	SSWP12	360 Winter	30	+0%	2/15 Summer				21.501	0.775	0.000	0.97	
S1.012	SS13-CP	15 Winter	30	+0%					22.512	-0.062	0.000	0.31	

PN	US/MH Name	Pipe Flow (l/s)	Status	Level Exceeded
S13.000	SRE10.1	4.2		OK
S13.001	SS10	9.8		OK
S1.009	SS11-CP	15.2	SURCHARGED	
S1.010	SATT1	2.4	SURCHARGED*	
S1.011	SSWP12	2.0	SURCHARGED	
S1.012	SS13-CP	2.0		OK

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<u>100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm</u> <u>Simulation Criteria</u> Areal Reduction Factor 1.000 Manhole Headloss Coeff (Global) 0.500 MADD Factor * 10m³/ha Storage 2.000 Hot Start (mins) 0 Foul Sewage per hectare (l/s) 0.000 Inlet Coefficient 0.800 Hot Start Level (mm) 0 Additional Flow - % of Total Flow 0.000 Flow per Person per Day (l/per/day) 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 <u>Synthetic Rainfall Details</u> Rainfall Model FEH Data Type Point FEH Rainfall Version 2013 Cv (Summer) 0.750 Site Location GB 562797 173610 TQ 62797 73610 Cv (Winter) 0.840 Margin for Flood Risk Warning (mm) 300.0 DVD Status ON Analysis Timestep 2.5 Second Increment (Extended) Inertia Status ON DTS Status ON Profile(s) Summer and Winter Duration(s) (mins) 15, 30, 60, 120, 240, 360, 480, 960, 1440 Return Period(s) (years) 2, 30, 100 Climate Change (%) 0, 0, 20 WARNING: Half Drain Time has not been calculated as the structure is too full.		
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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

								Water	Surcharged	Flooded				Half Drain	Pipe	
US/MH		Return	Climate	First (X)	First (Y)	First (Z)	Overflow	Level	Depth	Volume	Flow /	Overflow	Time	Flow		
PN	Name	Storm	Period	Change	Surcharge	Flood	Overflow	Act.	(m)	(m)	(m³)	Cap.	(l/s)	(mins)	(l/s)	Status

PN	US/MH	Level	Name	Exceeded
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<u>100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	Level Exceeded
S1.000	SRE1.1	4.3	SURCHARGED	
S1.001	SS1	8.4	SURCHARGED	
S2.000	SRE1.2	2.4	SURCHARGED	
S1.002	SJUNCT	9.9	SURCHARGED*	
S1.003	SS2	18.5	SURCHARGED	
S3.000	SRE2.1	0.2	OK	
S1.004	SJUNCT	25.4	SURCHARGED*	
S1.005	SS3	4.4	SURCHARGED	
S4.000	SRE3.1	0.6	SURCHARGED	
S1.006	SJUNCT	26.0	SURCHARGED*	
S5.000	SRE4.1	0.8	SURCHARGED	
S1.007	SS4	5.7	SURCHARGED	
S6.000	SRE5.1	6.0	OK	
S6.001	SS5	21.9	OK	
S7.000	SRE6.1	0.2	SURCHARGED	
S6.002	SS6	3.6	SURCHARGED	
S1.008	SJUNCT	53.7	SURCHARGED*	
S8.000	SRE7.1	9.9	FLOOD RISK	
S9.000	SRE7.2	3.5	FLOOD RISK	
S8.001	SS7	12.9	FLOOD RISK	
S10.000	SRE8.1	0.5	SURCHARGED	
S8.002	SS8	4.5	SURCHARGED	
S11.000	SRE9.1	12.6	SURCHARGED	
S12.000	SRE9.2	0.0	SURCHARGED	
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PN	US/MH Name	Pipe Flow (l/s)	Status	Level Exceeded									
S11.001	SS9	12.6	SURCHARGED										
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