



Design Settings

Rainfall Methodology	FSR	Maximum Time of Concentration (mins)	30.00
Return Period (years)	1	Maximum Rainfall (mm/hr)	50.0
Additional Flow (%)	0	Minimum Velocity (m/s)	1.00
FSR Region	England and Wales	Connection Type	Level Soffits
M5-60 (mm)	17.000	Minimum Backdrop Height (m)	0.200
Ratio-R	0.400	Preferred Cover Depth (m)	0.600
CV	0.750	Include Intermediate Ground	✓
Time of Entry (mins)	5.00	Enforce best practice design rules	✓

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
S1A	0.020	5.00	26.700	600	382754.147	397489.873	0.750
S1B	0.010	5.00	26.350	600	382732.277	397479.195	0.700
S1			26.250	600	382730.724	397466.827	0.700
S2	0.005	5.00	26.250	600	382713.884	397471.189	0.700
S3	0.050	5.00	26.100	600	382718.252	397461.118	0.810
S4	0.005	5.00	26.200	600	382701.234	397465.161	0.700
S5			26.010	600	382705.661	397455.008	0.800
S6			26.000	600	382697.753	397451.175	0.840
S7	0.015	5.00	26.140	600	382688.905	397459.177	0.700
S8			25.970	1200	382694.335	397447.714	0.840
S9	0.005	5.00	26.320	600	382676.052	397452.464	0.700
S10	0.050	5.00	25.800	1200	382680.721	397441.519	0.750
S11	0.005	5.00	26.420	600	382664.080	397445.525	0.700
S12			26.050	1200	382668.520	397435.816	1.075
S13	0.010	5.00	26.200	600	382655.084	397439.165	0.550
S14			26.040	1200	382661.101	397430.772	1.185
OUTFALL			25.990	1	382661.982	397428.313	1.145

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
1.000	S1A	S1B	24.338	0.600	25.950	25.650	0.300	81.1	150	5.36	45.3
1.001	S1B	S1	12.465	0.600	25.650	25.550	0.100	124.7	150	5.59	44.5
1.002	S1	S3	13.717	0.600	25.550	25.365	0.185	74.1	150	5.79	43.7
1.003	S3	S5	13.995	0.600	25.290	25.210	0.080	174.9	225	6.03	42.9
1.004	S5	S6	8.788	0.600	25.210	25.160	0.050	175.8	225	6.18	42.4
1.005	S6	S8	4.864	0.600	25.160	25.130	0.030	162.1	225	6.25	42.1
1.006	S8	S10	14.957	0.600	25.130	25.050	0.080	187.0	225	6.52	41.4

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)
1.000	1.117	19.7	2.5	0.600	0.550	0.020	0.0
1.001	0.899	15.9	3.6	0.550	0.550	0.030	0.0
1.002	1.169	20.7	3.6	0.550	0.585	0.030	0.0
1.003	0.985	39.2	9.9	0.585	0.575	0.085	0.0
1.004	0.983	39.1	10.3	0.575	0.615	0.090	0.0
1.005	1.024	40.7	10.3	0.615	0.615	0.090	0.0
1.006	0.953	37.9	11.8	0.615	0.525	0.105	0.0

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
1.007	S10	S12	13.468	0.600	25.050	24.975	0.075	179.6	225	6.75	40.7
1.008	S12	S14	8.971	0.600	24.980	24.930	0.050	179.4	225	6.90	40.3
1.009	S14	OUTFALL	2.612	0.600	24.855	24.845	0.010	261.2	300	6.95	40.1
2.000	S2	S3	10.977	0.600	25.550	25.340	0.210	52.3	150	5.13	45.8
3.000	S4	S5	11.076	0.600	25.500	25.260	0.240	46.2	150	5.12	46.0
4.000	S7	S8	12.684	0.600	25.440	25.175	0.265	47.9	150	5.15	45.2
5.000	S9	S10	11.899	0.600	25.620	25.510	0.110	108.2	225	5.16	44.6
6.000	S11	S12	10.676	0.600	25.720	25.620	0.100	106.8	150	5.18	45.3
7.000	S13	S14	10.327	0.600	25.650	25.550	0.100	103.3	150	5.17	45.5

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)
1.007	0.972	38.7	17.7	0.525	0.850	0.160	0.0
1.008	0.973	38.7	18.0	0.845	0.885	0.165	0.0
1.009	0.968	68.4	19.0	0.885	0.845	0.175	0.0
2.000	1.394	24.6	0.6	0.550	0.610	0.005	0.0
3.000	1.485	26.2	0.6	0.550	0.600	0.005	0.0
4.000	1.458	25.8	1.8	0.550	0.645	0.015	0.0
5.000	1.256	50.0	0.6	0.475	0.065	0.005	0.0
6.000	0.972	17.2	0.6	0.550	0.280	0.005	0.0
7.000	0.988	17.5	1.2	0.400	0.340	0.010	0.0

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.000	24.338	81.1	150	Circular	26.700	25.950	0.600	26.350	25.650	0.550
1.001	12.465	124.7	150	Circular	26.350	25.650	0.550	26.250	25.550	0.550
1.002	13.717	74.1	150	Circular	26.250	25.550	0.550	26.100	25.365	0.585
1.003	13.995	174.9	225	Circular	26.100	25.290	0.585	26.010	25.210	0.575
1.004	8.788	175.8	225	Circular	26.010	25.210	0.575	26.000	25.160	0.615
1.005	4.864	162.1	225	Circular	26.000	25.160	0.615	25.970	25.130	0.615
1.006	14.957	187.0	225	Circular	25.970	25.130	0.615	25.800	25.050	0.525
1.007	13.468	179.6	225	Circular	25.800	25.050	0.525	26.050	24.975	0.850
1.008	8.971	179.4	225	Circular	26.050	24.980	0.845	26.040	24.930	0.885
1.009	2.612	261.2	300	Circular	26.040	24.855	0.885	25.990	24.845	0.845

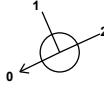
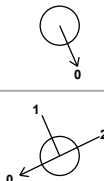
Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	S1A	600	Manhole	Adoptable	S1B	600	Manhole	Adoptable
1.001	S1B	600	Manhole	Adoptable	S1	600	Manhole	Adoptable
1.002	S1	600	Manhole	Adoptable	S3	600	Manhole	Adoptable
1.003	S3	600	Manhole	Adoptable	S5	600	Manhole	Adoptable
1.004	S5	600	Manhole	Adoptable	S6	600	Manhole	Adoptable
1.005	S6	600	Manhole	Adoptable	S8	1200	Manhole	Adoptable
1.006	S8	1200	Manhole	Adoptable	S10	1200	Manhole	Adoptable
1.007	S10	1200	Manhole	Adoptable	S12	1200	Manhole	Adoptable
1.008	S12	1200	Manhole	Adoptable	S14	1200	Manhole	Adoptable
1.009	S14	1200	Manhole	Adoptable	OUTFALL	1	Manhole	Adoptable

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
2.000	10.977	52.3	150	Circular	26.250	25.550	0.550	26.100	25.340	0.610
3.000	11.076	46.2	150	Circular	26.200	25.500	0.550	26.010	25.260	0.600
4.000	12.684	47.9	150	Circular	26.140	25.440	0.550	25.970	25.175	0.645
5.000	11.899	108.2	225	Circular	26.320	25.620	0.475	25.800	25.510	0.065
6.000	10.676	106.8	150	Circular	26.420	25.720	0.550	26.050	25.620	0.280
7.000	10.327	103.3	150	Circular	26.200	25.650	0.400	26.040	25.550	0.340

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
2.000	S2	600	Manhole	Adoptable	S3	600	Manhole	Adoptable
3.000	S4	600	Manhole	Adoptable	S5	600	Manhole	Adoptable
4.000	S7	600	Manhole	Adoptable	S8	1200	Manhole	Adoptable
5.000	S9	600	Manhole	Adoptable	S10	1200	Manhole	Adoptable
6.000	S11	600	Manhole	Adoptable	S12	1200	Manhole	Adoptable
7.000	S13	600	Manhole	Adoptable	S14	1200	Manhole	Adoptable

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
S1A	382754.147	397489.873	26.700	0.750	600		0	1.000	25.950	150
S1B	382732.277	397479.195	26.350	0.700	600		1	1.000	25.650	150
S1	382730.724	397466.827	26.250	0.700	600		1	1.001	25.550	150
S2	382713.884	397471.189	26.250	0.700	600		0	1.002	25.550	150
S3	382718.252	397461.118	26.100	0.810	600		1	2.000	25.340	150
							2	1.002	25.365	150
S4	382701.234	397465.161	26.200	0.700	600		0	1.003	25.290	225
S5	382705.661	397455.008	26.010	0.800	600		0	3.000	25.500	150
							1	1.003	25.260	150
							2	1.003	25.210	225
							0	1.004	25.210	225

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
S6	382697.753	397451.175	26.000	0.840	600	1 0	1 0	1.004 1.005	25.160 25.160	225 225
S7	382688.905	397459.177	26.140	0.700	600	0	0	4.000	25.440	150
S8	382694.335	397447.714	25.970	0.840	1200	1 2 0	1 2 0	4.000 1.005 1.006	25.175 25.130 25.130	150 225 225
S9	382676.052	397452.464	26.320	0.700	600	0	0	5.000	25.620	225
S10	382680.721	397441.519	25.800	0.750	1200	1 2 0	1 2 0	5.000 1.006 1.007	25.510 25.050 25.050	225 225 225
S11	382664.080	397445.525	26.420	0.700	600	0	0	6.000	25.720	150
S12	382668.520	397435.816	26.050	1.075	1200	1 2 0	1 2 0	6.000 1.007 1.008	25.620 24.975 24.980	150 225 225
S13	382655.084	397439.165	26.200	0.550	600	0	0	7.000	25.650	150
S14	382661.101	397430.772	26.040	1.185	1200	1 2 0	1 2 0	7.000 1.008 1.009	25.550 24.930 24.855	150 225 300
OUTFALL	382661.982	397428.313	25.990	1.145	1	1	1	1.009	24.845	300

Simulation Settings

Rainfall Methodology	FSR	Analysis Speed	Normal
FSR Region	England and Wales	Skip Steady State	x
M5-60 (mm)	17.000	Drain Down Time (mins)	240
Ratio-R	0.400	Additional Storage (m³/ha)	0.0
Summer CV	0.750	Check Discharge Rate(s)	x
Winter CV	0.840	Check Discharge Volume	x

Storm Durations

15 | 30 | 60 | 120 | 180 | 240 | 360 | 480 | 600 | 720 | 960 | 1440

Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
2	0	0	0
30	0	0	0
100	40	0	0

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
2 year 15 minute summer	119.760	33.888	30 year 360 minute summer	26.939	6.932
2 year 15 minute winter	84.042	33.888	30 year 360 minute winter	17.511	6.932
2 year 30 minute summer	77.518	21.935	30 year 480 minute summer	20.981	5.545
2 year 30 minute winter	54.399	21.935	30 year 480 minute winter	13.940	5.545
2 year 60 minute summer	51.720	13.668	30 year 600 minute summer	17.039	4.661
2 year 60 minute winter	34.361	13.668	30 year 600 minute winter	11.642	4.661
2 year 120 minute summer	31.549	8.338	30 year 720 minute summer	15.093	4.045
2 year 120 minute winter	20.961	8.338	30 year 720 minute winter	10.143	4.045
2 year 180 minute summer	24.133	6.210	30 year 960 minute summer	12.278	3.233
2 year 180 minute winter	15.687	6.210	30 year 960 minute winter	8.133	3.233
2 year 240 minute summer	19.039	5.032	30 year 1440 minute summer	8.788	2.355
2 year 240 minute winter	12.649	5.032	30 year 1440 minute winter	5.906	2.355
2 year 360 minute summer	14.516	3.735	100 year +40% CC 15 minute summer	408.473	115.584
2 year 360 minute winter	9.436	3.735	100 year +40% CC 15 minute winter	286.647	115.584
2 year 480 minute summer	11.436	3.022	100 year +40% CC 30 minute summer	268.775	76.054
2 year 480 minute winter	7.598	3.022	100 year +40% CC 30 minute winter	188.614	76.054
2 year 600 minute summer	9.363	2.561	100 year +40% CC 60 minute summer	180.954	47.821
2 year 600 minute winter	6.398	2.561	100 year +40% CC 60 minute winter	120.222	47.821
2 year 720 minute summer	8.339	2.235	100 year +40% CC 120 minute summer	110.370	29.168
2 year 720 minute winter	5.605	2.235	100 year +40% CC 120 minute winter	73.327	29.168
2 year 960 minute summer	6.846	1.803	100 year +40% CC 180 minute summer	83.953	21.604
2 year 960 minute winter	4.535	1.803	100 year +40% CC 180 minute winter	54.572	21.604
2 year 1440 minute summer	4.967	1.331	100 year +40% CC 240 minute summer	65.765	17.380
2 year 1440 minute winter	3.338	1.331	100 year +40% CC 240 minute winter	43.693	17.380
30 year 15 minute summer	226.195	64.005	100 year +40% CC 360 minute summer	49.370	12.705
30 year 15 minute winter	158.733	64.005	100 year +40% CC 360 minute winter	32.092	12.705
30 year 30 minute summer	147.452	41.724	100 year +40% CC 480 minute summer	38.291	10.119
30 year 30 minute winter	103.475	41.724	100 year +40% CC 480 minute winter	25.439	10.119
30 year 60 minute summer	98.615	26.061	100 year +40% CC 600 minute summer	30.992	8.477
30 year 60 minute winter	65.517	26.061	100 year +40% CC 600 minute winter	21.176	8.477
30 year 120 minute summer	59.946	15.842	100 year +40% CC 720 minute summer	27.387	7.340
30 year 120 minute winter	39.827	15.842	100 year +40% CC 720 minute winter	18.406	7.340
30 year 180 minute summer	45.598	11.734	100 year +40% CC 960 minute summer	22.191	5.844
30 year 180 minute winter	29.640	11.734	100 year +40% CC 960 minute winter	14.700	5.844
30 year 240 minute summer	35.759	9.450	100 year +40% CC 1440 minute summer	15.789	4.232
30 year 240 minute winter	23.758	9.450	100 year +40% CC 1440 minute winter	10.611	4.232

Results for 2 year Critical Storm Duration. Lowest mass balance: 96.26%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S1A	10	25.990	0.040	3.1	0.0113	0.0000	OK
15 minute winter	S1B	11	25.707	0.057	4.5	0.0161	0.0000	OK
15 minute winter	S1	11	25.599	0.049	4.5	0.0140	0.0000	OK
15 minute winter	S2	10	25.568	0.018	0.8	0.0052	0.0000	OK
15 minute winter	S3	11	25.380	0.090	12.7	0.0255	0.0000	OK
15 minute winter	S4	10	25.518	0.018	0.8	0.0050	0.0000	OK
15 minute winter	S5	11	25.356	0.146	13.3	0.0414	0.0000	OK
15 minute winter	S6	11	25.352	0.192	13.3	0.0544	0.0000	OK
15 minute winter	S7	10	25.470	0.030	2.3	0.0085	0.0000	OK
15 minute winter	S8	11	25.347	0.217	15.7	0.2457	0.0000	OK
15 minute winter	S9	10	25.640	0.020	0.8	0.0055	0.0000	OK
15 minute winter	S10	11	25.330	0.280	23.1	0.3168	0.0000	SURCHARGED
15 minute winter	S11	10	25.742	0.022	0.8	0.0062	0.0000	OK
15 minute winter	S12	11	25.294	0.319	23.7	0.3607	0.0000	SURCHARGED
15 minute winter	S13	11	25.680	0.030	1.5	0.0086	0.0000	OK
15 minute winter	S14	11	25.265	0.410	25.0	0.4635	0.0000	SURCHARGED
15 minute summer	OUTFALL	1	25.260	0.415	23.9	0.0000	0.0000	OK

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S1A	1.000	S1B	3.0	0.622	0.154	0.1197	
15 minute winter	S1B	1.001	S1	4.5	0.810	0.284	0.0697	
15 minute winter	S1	1.002	S3	4.5	0.919	0.219	0.0674	
15 minute winter	S2	2.000	S3	0.8	0.493	0.031	0.0271	
15 minute winter	S3	1.003	S5	12.5	0.759	0.320	0.2951	
15 minute winter	S4	3.000	S5	0.8	0.514	0.029	0.0724	
15 minute winter	S5	1.004	S6	13.3	0.699	0.340	0.2791	
15 minute winter	S6	1.005	S8	13.5	0.667	0.331	0.1836	
15 minute winter	S7	4.000	S8	2.3	0.791	0.089	0.1277	
15 minute winter	S8	1.006	S10	15.7	0.548	0.415	0.5915	
15 minute winter	S9	5.000	S10	0.7	0.456	0.015	0.0195	
15 minute winter	S10	1.007	S12	23.0	0.636	0.595	0.5356	
15 minute winter	S11	6.000	S12	0.7	0.483	0.044	0.0166	
15 minute winter	S12	1.008	S14	23.5	0.590	0.607	0.3568	
15 minute winter	S13	7.000	S14	1.5	0.598	0.086	0.0259	
15 minute winter	S14	1.009	OUTFALL	24.9	0.354	0.364	0.1839	9.4

Results for 30 year Critical Storm Duration. Lowest mass balance: 96.26%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S1A	10	26.005	0.055	5.8	0.0156	0.0000	OK
15 minute winter	S1B	10	25.732	0.082	8.6	0.0233	0.0000	OK
15 minute winter	S1	12	25.617	0.067	8.4	0.0189	0.0000	OK
15 minute winter	S2	12	25.597	0.047	1.5	0.0133	0.0000	OK
15 minute winter	S3	12	25.597	0.307	24.3	0.0868	0.0000	SURCHARGED
15 minute winter	S4	12	25.567	0.067	1.5	0.0189	0.0000	OK
15 minute winter	S5	12	25.565	0.355	23.4	0.1006	0.0000	SURCHARGED
15 minute winter	S6	12	25.539	0.379	22.9	0.1071	0.0000	SURCHARGED
15 minute winter	S7	12	25.525	0.085	4.4	0.0241	0.0000	OK
15 minute winter	S8	12	25.520	0.390	26.8	0.4409	0.0000	SURCHARGED
15 minute winter	S9	10	25.647	0.027	1.5	0.0076	0.0000	OK
15 minute winter	S10	11	25.467	0.417	39.9	0.4717	0.0000	SURCHARGED
15 minute winter	S11	10	25.750	0.030	1.5	0.0086	0.0000	OK
15 minute winter	S12	11	25.359	0.384	40.9	0.4343	0.0000	SURCHARGED
15 minute winter	S13	10	25.692	0.042	2.9	0.0120	0.0000	OK
15 minute winter	S14	11	25.274	0.419	43.5	0.4741	0.0000	SURCHARGED
15 minute summer	OUTFALL	1	25.260	0.415	42.7	0.0000	0.0000	OK

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S1A	1.000	S1B	5.7	0.728	0.290	0.1919	
15 minute winter	S1B	1.001	S1	8.4	0.971	0.531	0.1084	
15 minute winter	S1	1.002	S3	8.5	0.940	0.411	0.1729	
15 minute winter	S2	2.000	S3	1.8	0.494	0.074	0.1223	
15 minute summer	S3	1.003	S5	22.5	0.804	0.576	0.5566	
15 minute winter	S4	3.000	S5	2.3	0.513	0.089	0.1394	
15 minute winter	S5	1.004	S6	22.9	0.736	0.585	0.3495	
15 minute winter	S6	1.005	S8	22.8	0.646	0.561	0.1934	
15 minute winter	S7	4.000	S8	4.3	0.789	0.166	0.1769	
15 minute winter	S8	1.006	S10	27.5	0.691	0.726	0.5949	
15 minute winter	S9	5.000	S10	1.5	0.554	0.029	0.0313	
15 minute winter	S10	1.007	S12	39.6	0.996	1.024	0.5356	
15 minute winter	S11	6.000	S12	1.5	0.586	0.085	0.0266	
15 minute winter	S12	1.008	S14	40.9	1.029	1.058	0.3568	
15 minute winter	S13	7.000	S14	2.8	0.713	0.162	0.0411	
15 minute winter	S14	1.009	OUTFALL	43.6	0.619	0.637	0.1839	20.5

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 96.26%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S1A	12	26.227	0.277	10.5	0.0784	0.0000	SURCHARGED
15 minute winter	S1B	12	26.175	0.525	14.8	0.1485	0.0000	FLOOD RISK
15 minute winter	S1	12	26.112	0.562	11.3	0.1590	0.0000	FLOOD RISK
15 minute winter	S2	12	26.052	0.502	4.4	0.1420	0.0000	FLOOD RISK
15 minute winter	S3	12	26.048	0.758	34.1	0.2147	0.0000	FLOOD RISK
15 minute winter	S4	12	25.977	0.477	3.6	0.1350	0.0000	FLOOD RISK
15 minute winter	S5	12	25.974	0.764	34.2	0.2163	0.0000	FLOOD RISK
15 minute winter	S6	12	25.917	0.757	33.8	0.2141	0.0000	FLOOD RISK
15 minute winter	S7	12	25.896	0.456	7.9	0.1290	0.0000	FLOOD RISK
15 minute winter	S8	12	25.877	0.747	39.9	0.8451	0.0000	FLOOD RISK
15 minute winter	S9	12	25.763	0.143	2.8	0.0405	0.0000	OK
15 minute winter	S10	12	25.762	0.712	61.7	0.8055	0.0000	FLOOD RISK
15 minute winter	S11	10	25.761	0.041	2.6	0.0115	0.0000	OK
15 minute winter	S12	12	25.502	0.527	63.9	0.5959	0.0000	SURCHARGED
15 minute winter	S13	10	25.709	0.059	5.3	0.0167	0.0000	OK
15 minute winter	S14	12	25.294	0.439	68.2	0.4967	0.0000	SURCHARGED
15 minute summer	OUTFALL	1	25.260	0.415	65.5	0.0000	0.0000	OK

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S1A	1.000	S1B	9.9	0.810	0.502	0.4285	
15 minute summer	S1B	1.001	S1	12.9	0.984	0.812	0.2194	
15 minute winter	S1	1.002	S3	13.1	1.000	0.636	0.2415	
15 minute winter	S2	2.000	S3	3.3	0.511	0.134	0.1932	
15 minute winter	S3	1.003	S5	32.8	0.826	0.838	0.5566	
15 minute winter	S4	3.000	S5	2.9	0.536	0.111	0.1950	
15 minute winter	S5	1.004	S6	33.8	0.849	0.864	0.3495	
15 minute winter	S6	1.005	S8	34.6	0.869	0.849	0.1934	
15 minute summer	S7	4.000	S8	6.3	0.789	0.243	0.2233	
15 minute winter	S8	1.006	S10	40.8	1.026	1.077	0.5949	
15 minute winter	S9	5.000	S10	3.6	0.594	0.073	0.3950	
15 minute winter	S10	1.007	S12	61.7	1.551	1.595	0.5356	
15 minute winter	S11	6.000	S12	2.6	0.687	0.149	0.0399	
15 minute winter	S12	1.008	S14	63.8	1.605	1.651	0.3568	
15 minute winter	S13	7.000	S14	5.2	0.839	0.299	0.0643	
15 minute winter	S14	1.009	OUTFALL	68.3	0.971	0.999	0.1839	39.6