

Design Settings

Rainfall Methodology	FEH-22	Minimum Velocity (m/s)	1.00
Return Period (years)	100	Connection Type	Level Soffits
Additional Flow (%)	0	Minimum Backdrop Height (m)	0.200
CV	0.750	Preferred Cover Depth (m)	1.200
Time of Entry (mins)	5.00	Include Intermediate Ground	✓
Maximum Time of Concentration (mins)	30.00	Enforce best practice design rules	x
Maximum Rainfall (mm/hr)	50.0		

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
HW1	0.011	5.00	63.310	1350	391212.307	172693.056	1.360
SW2	0.068	5.00	64.000	1200	391214.461	172679.607	2.220
SW3	0.044	5.00	64.370	1200	391207.144	172643.635	2.760
SW4	0.033	5.00	62.990	1350	391203.785	172621.370	1.480
SW5	0.018	5.00	61.570	1350	391195.209	172609.198	1.350
SW6	0.013	5.00	60.870	1350	391187.887	172606.548	1.220
SW7	0.028	5.00	60.050	1200	391177.617	172607.255	2.000
SW8	0.015	5.00	59.520	1200	391166.860	172611.712	2.150
SW9	0.026	5.00	59.370	1200	391158.718	172619.750	2.210
SW10			59.250	1200	391155.976	172628.987	2.140
SW11	0.020	5.00	59.130	1200	391156.251	172638.987	2.070
HW12	0.003	5.00	58.600	1350	391163.783	172684.361	1.270
HW13	0.014	5.00	58.720	1350	391168.074	172667.219	1.500
HW14	0.012	5.00	58.850	1200	391166.466	172657.069	1.700
SW15	0.012	5.00	59.000	1200	391160.385	172647.811	2.000
SW16			58.500	1350	391150.132	172677.765	1.650
SW17			57.710	1350	391145.219	172688.536	1.350
SW18			54.850	1350	391097.847	172665.025	1.350
SW4A			62.170	1350	391200.201	172613.797	1.420

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	13.620	80.0	225	Circular	63.310	61.950	1.135	64.000	61.780	1.995
1.001	36.709	215.9	225	Circular	64.000	61.780	1.995	64.370	61.610	2.535
1.002	22.517	225.0	225	Circular	64.370	61.610	2.535	62.990	61.510	1.255
1.003	8.378	11.0	225	Circular	62.990	61.510	1.255	62.170	60.750	1.195
1.004	6.788	12.8	225	Circular	62.170	60.750	1.195	61.570	60.220	1.125
1.005	7.787	13.7	225	Circular	61.570	60.220	1.125	60.870	59.650	0.995
1.006	10.294	6.4	225	Circular	60.870	59.650	0.995	60.050	58.050	1.775

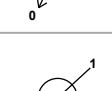
Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	HW1	1350	Manhole	Adoptable	SW2	1200	Manhole	Adoptable
1.001	SW2	1200	Manhole	Adoptable	SW3	1200	Manhole	Adoptable
1.002	SW3	1200	Manhole	Adoptable	SW4	1350	Manhole	Adoptable
1.003	SW4	1350	Manhole	Adoptable	SW4A	1350	Manhole	Adoptable
1.004	SW4A	1350	Manhole	Adoptable	SW5	1350	Manhole	Adoptable
1.005	SW5	1350	Manhole	Adoptable	SW6	1350	Manhole	Adoptable
1.006	SW6	1350	Manhole	Adoptable	SW7	1200	Manhole	Adoptable

Pipeline Schedule

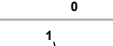
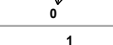
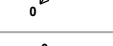
Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.007	11.644	17.1	225	Circular	60.050	58.050	1.775	59.520	57.370	1.925
1.008	11.441	54.5	225	Circular	59.520	57.370	1.925	59.370	57.160	1.985
1.009	9.635	192.7	300	Circular	59.370	57.160	1.910	59.250	57.110	1.840
1.010	10.004	200.1	300	Circular	59.250	57.110	1.840	59.130	57.060	1.770
1.011	9.744	162.4	300	Circular	59.130	57.060	1.770	59.000	57.000	1.700
2.000	17.671	160.6	225	Circular	58.600	57.330	1.045	58.720	57.220	1.275
2.001	10.277	146.8	225	Circular	58.720	57.220	1.275	58.850	57.150	1.475
2.002	11.077	158.2	225	Circular	58.850	57.150	1.475	59.000	57.080	1.695
1.012	31.660	211.1	300	Circular	59.000	57.000	1.700	58.500	56.850	1.350
1.013	11.839	24.2	300	Circular	58.500	56.850	1.350	57.710	56.360	1.050
1.014	52.885	18.5	300	Circular	57.710	56.360	1.050	54.850	53.500	1.050

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.007	SW7	1200	Manhole	Adoptable	SW8	1200	Manhole	Adoptable
1.008	SW8	1200	Manhole	Adoptable	SW9	1200	Manhole	Adoptable
1.009	SW9	1200	Manhole	Adoptable	SW10	1200	Manhole	Adoptable
1.010	SW10	1200	Manhole	Adoptable	SW11	1200	Manhole	Adoptable
1.011	SW11	1200	Manhole	Adoptable	SW15	1200	Manhole	Adoptable
2.000	HW12	1350	Manhole	Adoptable	HW13	1350	Manhole	Adoptable
2.001	HW13	1350	Manhole	Adoptable	HW14	1200	Manhole	Adoptable
2.002	HW14	1200	Manhole	Adoptable	SW15	1200	Manhole	Adoptable
1.012	SW15	1200	Manhole	Adoptable	SW16	1350	Manhole	Adoptable
1.013	SW16	1350	Manhole	Adoptable	SW17	1350	Manhole	Adoptable
1.014	SW17	1350	Manhole	Adoptable	SW18	1350	Manhole	Adoptable

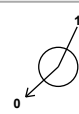
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
HW1	391212.307	172693.056	63.310	1.360	1350				
						0	1.000	61.950	225
SW2	391214.461	172679.607	64.000	2.220	1200		1	1.000	61.780
						0	1.001	61.780	225
SW3	391207.144	172643.635	64.370	2.760	1200		1	1.001	61.610
						0	1.002	61.610	225
SW4	391203.785	172621.370	62.990	1.480	1350		1	1.002	61.510
						0	1.003	61.510	225
SW5	391195.209	172609.198	61.570	1.350	1350		1	1.004	60.220
						0	1.005	60.220	225

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
SW6	391187.887	172606.548	60.870	1.220	1350		1	1.005	59.650	225
							0	1.006	59.650	225
SW7	391177.617	172607.255	60.050	2.000	1200		1	1.006	58.050	225
							0	1.007	58.050	225
SW8	391166.860	172611.712	59.520	2.150	1200		1	1.007	57.370	225
							0	1.008	57.370	225
SW9	391158.718	172619.750	59.370	2.210	1200		1	1.008	57.160	225
							0	1.009	57.160	300
SW10	391155.976	172628.987	59.250	2.140	1200		1	1.009	57.110	300
							0	1.010	57.110	300
SW11	391156.251	172638.987	59.130	2.070	1200		1	1.010	57.060	300
							0	1.011	57.060	300
HW12	391163.783	172684.361	58.600	1.270	1350		0	2.000	57.330	225
HW13	391168.074	172667.219	58.720	1.500	1350		1	2.000	57.220	225
							0	2.001	57.220	225
HW14	391166.466	172657.069	58.850	1.700	1200		1	2.001	57.150	225
							0	2.002	57.150	225
SW15	391160.385	172647.811	59.000	2.000	1200		1	2.002	57.080	225
							2	1.011	57.000	300
							0	1.012	57.000	300
SW16	391150.132	172677.765	58.500	1.650	1350		1	1.012	56.850	300
							0	1.013	56.850	300
SW17	391145.219	172688.536	57.710	1.350	1350		1	1.013	56.360	300
							0	1.014	56.360	300
SW18	391097.847	172665.025	54.850	1.350	1350		1	1.014	53.500	300

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
SW4A	391200.201	172613.797	62.170	1.420	1350		1	1.003	60.750	225
							0	1.004	60.750	225

Simulation Settings

Rainfall Methodology	FEH-22	Analysis Speed	Detailed	Additional Storage (m³/ha)	20.0
Summer CV	1.000	Skip Steady State	x	Check Discharge Rate(s)	x
Winter CV	1.000	Drain Down Time (mins)	240	Check Discharge Volume	x

Storm Durations

15	30	60	120	180	240	360	480	600	720	960	1440
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Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
2	0	0	0
30	40	10	0
100	45	10	0

Node SW16 Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	x	Sump Available	✓
Invert Level (m)	56.850	Product Number	CTL-SHE-0103-5000-1200-5000
Design Depth (m)	1.200	Min Outlet Diameter (m)	0.150
Design Flow (l/s)	5.0	Min Node Diameter (mm)	1200

Node SW16 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	56.950
Side Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Time to half empty (mins)	

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	102.0	0.0	1.250	293.0	0.0	1.251	0.0	0.0

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
2 year 15 minute summer	96.480	27.301
2 year 15 minute winter	67.705	27.301
2 year 30 minute summer	61.474	17.395
2 year 30 minute winter	43.140	17.395
2 year 60 minute summer	40.797	10.782
2 year 60 minute winter	27.105	10.782
2 year 120 minute summer	28.836	7.621
2 year 120 minute winter	19.158	7.621
2 year 180 minute summer	23.721	6.104
2 year 180 minute winter	15.419	6.104
2 year 240 minute summer	19.550	5.166

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
2 year 240 minute winter	12.988	5.166
2 year 360 minute summer	15.619	4.019
2 year 360 minute winter	10.153	4.019
2 year 480 minute summer	12.597	3.329
2 year 480 minute winter	8.369	3.329
2 year 600 minute summer	10.458	2.861
2 year 600 minute winter	7.146	2.861
2 year 720 minute summer	9.398	2.519
2 year 720 minute winter	6.316	2.519
2 year 960 minute summer	7.775	2.047
2 year 960 minute winter	5.150	2.047
2 year 1440 minute summer	5.667	1.519
2 year 1440 minute winter	3.808	1.519
30 year +40% CC +10% A 15 minute summer	349.527	98.904
30 year +40% CC +10% A 15 minute winter	245.282	98.904
30 year +40% CC +10% A 30 minute summer	226.733	64.158
30 year +40% CC +10% A 30 minute winter	159.111	64.158
30 year +40% CC +10% A 60 minute summer	150.199	39.693
30 year +40% CC +10% A 60 minute winter	99.789	39.693
30 year +40% CC +10% A 120 minute summer	93.038	24.587
30 year +40% CC +10% A 120 minute winter	61.812	24.587
30 year +40% CC +10% A 180 minute summer	72.422	18.637
30 year +40% CC +10% A 180 minute winter	47.076	18.637
30 year +40% CC +10% A 240 minute summer	57.956	15.316
30 year +40% CC +10% A 240 minute winter	38.505	15.316
30 year +40% CC +10% A 360 minute summer	45.067	11.597
30 year +40% CC +10% A 360 minute winter	29.294	11.597
30 year +40% CC +10% A 480 minute summer	36.008	9.516
30 year +40% CC +10% A 480 minute winter	23.923	9.516
30 year +40% CC +10% A 600 minute summer	29.789	8.148
30 year +40% CC +10% A 600 minute winter	20.353	8.148
30 year +40% CC +10% A 720 minute summer	26.742	7.167
30 year +40% CC +10% A 720 minute winter	17.972	7.167
30 year +40% CC +10% A 960 minute summer	22.142	5.830
30 year +40% CC +10% A 960 minute winter	14.667	5.830
30 year +40% CC +10% A 1440 minute summer	16.076	4.309
30 year +40% CC +10% A 1440 minute winter	10.804	4.309
100 year +45% CC +10% A 15 minute summer	463.992	131.294
100 year +45% CC +10% A 15 minute winter	325.608	131.294
100 year +45% CC +10% A 30 minute summer	303.133	85.776
100 year +45% CC +10% A 30 minute winter	212.725	85.776
100 year +45% CC +10% A 60 minute summer	201.776	53.323
100 year +45% CC +10% A 60 minute winter	134.055	53.323
100 year +45% CC +10% A 120 minute summer	123.428	32.618
100 year +45% CC +10% A 120 minute winter	82.002	32.618
100 year +45% CC +10% A 180 minute summer	95.998	24.704
100 year +45% CC +10% A 180 minute winter	62.401	24.704
100 year +45% CC +10% A 240 minute summer	77.064	20.366
100 year +45% CC +10% A 240 minute winter	51.199	20.366
100 year +45% CC +10% A 360 minute summer	60.570	15.587
100 year +45% CC +10% A 360 minute winter	39.372	15.587
100 year +45% CC +10% A 480 minute summer	48.811	12.899

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
100 year +45% CC +10% A 480 minute winter	32.429	12.899
100 year +45% CC +10% A 600 minute summer	40.614	11.109
100 year +45% CC +10% A 600 minute winter	27.750	11.109
100 year +45% CC +10% A 720 minute summer	36.599	9.809
100 year +45% CC +10% A 720 minute winter	24.597	9.809
100 year +45% CC +10% A 960 minute summer	30.403	8.006
100 year +45% CC +10% A 960 minute winter	20.140	8.006
100 year +45% CC +10% A 1440 minute summer	22.022	5.902
100 year +45% CC +10% A 1440 minute winter	14.800	5.902

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.53%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	HW1	11	61.976	0.026	1.7	0.0420	0.0000	OK
15 minute summer	SW2	11	61.870	0.090	12.4	0.1568	0.0000	OK
15 minute summer	SW3	11	61.731	0.121	18.9	0.1762	0.0000	OK
15 minute summer	SW4	11	61.573	0.063	23.8	0.1175	0.0000	OK
15 minute summer	SW5	11	60.295	0.075	26.5	0.1269	0.0000	OK
15 minute summer	SW6	11	59.706	0.056	28.6	0.0925	0.0000	OK
15 minute summer	SW7	11	58.128	0.078	32.8	0.1098	0.0000	OK
15 minute summer	SW8	11	57.496	0.126	35.1	0.1606	0.0000	OK
15 minute summer	SW9	11	57.333	0.173	38.9	0.2364	0.0000	OK
15 minute summer	SW10	11	57.283	0.173	38.8	0.1958	0.0000	OK
15 minute summer	SW11	11	57.232	0.172	41.5	0.2276	0.0000	OK
15 minute summer	HW12	11	57.347	0.017	0.5	0.0257	0.0000	OK
15 minute summer	HW13	11	57.258	0.038	2.7	0.0607	0.0000	OK
15 minute summer	HW14	11	57.200	0.050	4.5	0.0630	0.0000	OK
15 minute summer	SW15	12	57.178	0.178	47.4	0.2229	0.0000	OK
240 minute summer	SW16	160	57.150	0.300	16.8	23.9173	0.0000	OK
240 minute summer	SW17	160	56.389	0.029	4.9	0.0412	0.0000	OK
240 minute summer	SW18	160	53.529	0.029	4.9	0.0000	0.0000	OK
15 minute summer	SW4A	11	60.815	0.065	23.8	0.0934	0.0000	OK
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	HW1	1.000	SW2	1.7	0.214	0.029	0.1184	
15 minute summer	SW2	1.001	SW3	12.1	0.664	0.343	0.6726	
15 minute summer	SW3	1.002	SW4	18.8	1.232	0.545	0.3474	
15 minute summer	SW4	1.003	SW4A	23.8	2.572	0.151	0.0777	
15 minute summer	SW5	1.005	SW6	26.6	2.771	0.188	0.0749	
15 minute summer	SW6	1.006	SW7	28.6	2.884	0.138	0.1025	
15 minute summer	SW7	1.007	SW8	32.8	1.872	0.259	0.2044	
15 minute summer	SW8	1.008	SW9	35.0	1.249	0.496	0.3187	
15 minute summer	SW9	1.009	SW10	38.8	0.921	0.486	0.4056	
15 minute summer	SW10	1.010	SW11	38.5	0.919	0.492	0.4194	
15 minute summer	SW11	1.011	SW15	41.1	0.971	0.473	0.4141	
15 minute summer	HW12	2.000	HW13	0.5	0.179	0.012	0.0506	
15 minute summer	HW13	2.001	HW14	2.6	0.487	0.061	0.0555	
15 minute summer	HW14	2.002	SW15	4.4	0.550	0.108	0.1255	
15 minute summer	SW15	1.012	SW16	46.9	1.167	0.615	1.3978	
240 minute summer	SW16	1.013	SW17	4.9	1.338	0.022	0.0436	
240 minute summer	SW17	1.014	SW18	4.9	1.444	0.019	0.1807	66.1
15 minute summer	SW4A	1.004	SW5	23.8	2.268	0.163	0.0715	

Results for 30 year +40% CC +10% A Critical Storm Duration. Lowest mass balance: 99.53%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	HW1	11	62.470	0.520	10.3	0.8374	0.0000	SURCHARGED
15 minute summer	SW2	11	62.477	0.697	44.4	1.2579	0.0000	SURCHARGED
15 minute summer	SW3	11	62.178	0.568	69.4	0.8418	0.0000	SURCHARGED
15 minute summer	SW4	11	61.647	0.137	87.0	0.2626	0.0000	OK
15 minute summer	SW5	12	60.572	0.352	97.5	0.6072	0.0000	SURCHARGED
15 minute summer	SW6	13	60.227	0.577	101.2	0.9618	0.0000	SURCHARGED
15 minute summer	SW7	13	59.760	1.710	112.6	2.4604	0.0000	FLOOD RISK
15 minute summer	SW8	13	59.124	1.754	110.3	2.2525	0.0000	SURCHARGED
15 minute summer	SW9	13	58.423	1.263	120.5	1.7561	0.0000	SURCHARGED
15 minute summer	SW10	13	58.244	1.134	118.2	1.2829	0.0000	SURCHARGED
30 minute summer	SW11	21	58.074	1.014	120.1	1.3634	0.0000	SURCHARGED
30 minute summer	HW12	21	57.899	0.569	7.6	0.8436	0.0000	SURCHARGED
30 minute summer	HW13	21	57.898	0.678	15.0	1.1103	0.0000	SURCHARGED
30 minute summer	HW14	21	57.897	0.747	13.2	0.9602	0.0000	SURCHARGED
30 minute summer	SW15	21	57.892	0.892	132.8	1.1269	0.0000	SURCHARGED
360 minute winter	SW16	344	57.794	0.944	26.3	141.8960	0.0000	SURCHARGED
30 minute winter	SW17	259	56.389	0.029	5.0	0.0415	0.0000	OK
15 minute summer	SW18	164	53.529	0.029	5.0	0.0000	0.0000	OK
15 minute summer	SW4A	12	60.913	0.163	86.7	0.2337	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	HW1	1.000	SW2	11.8	0.351	0.203	0.5417	
15 minute summer	SW2	1.001	SW3	43.3	1.089	1.230	1.4600	
15 minute summer	SW3	1.002	SW4	67.2	1.878	1.949	0.7317	
15 minute summer	SW4	1.003	SW4A	86.7	3.270	0.550	0.2296	
15 minute summer	SW5	1.005	SW6	93.5	3.414	0.660	0.3097	
15 minute summer	SW6	1.006	SW7	95.0	3.094	0.460	0.4094	
15 minute summer	SW7	1.007	SW8	102.4	2.575	0.811	0.4631	
15 minute summer	SW8	1.008	SW9	107.7	2.708	1.526	0.4550	
15 minute summer	SW9	1.009	SW10	118.2	1.678	1.481	0.6785	
15 minute summer	SW10	1.010	SW11	116.8	1.659	1.492	0.7045	
30 minute summer	SW11	1.011	SW15	119.1	1.692	1.370	0.6862	
30 minute summer	HW12	2.000	HW13	-5.9	0.210	-0.145	0.7028	
30 minute summer	HW13	2.001	HW14	-6.9	0.550	-0.161	0.4087	
30 minute summer	HW14	2.002	SW15	10.2	0.543	0.248	0.4405	
30 minute summer	SW15	1.012	SW16	131.9	1.873	1.731	2.2295	
360 minute winter	SW16	1.013	SW17	5.0	1.343	0.022	0.0440	
30 minute winter	SW17	1.014	SW18	5.0	1.450	0.019	0.1823	75.4
15 minute summer	SW4A	1.004	SW5	86.7	2.854	0.593	0.2398	

Results for 100 year +45% CC +10% A Critical Storm Duration. Lowest mass balance: 99.53%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	HW1	12	63.099	1.149	15.6	1.8482	0.0000	FLOOD RISK
15 minute summer	SW2	12	63.097	1.317	57.4	2.3777	0.0000	SURCHARGED
15 minute summer	SW3	12	62.698	1.088	87.7	1.6127	0.0000	SURCHARGED
15 minute summer	SW4	12	62.074	0.564	107.3	1.0838	0.0000	SURCHARGED
15 minute summer	SW5	12	61.241	1.021	106.1	1.7616	0.0000	SURCHARGED
15 minute summer	SW6	12	60.741	1.091	112.3	1.8180	0.0000	FLOOD RISK
15 minute summer	SW7	11	60.050	2.000	129.2	2.8780	4.7466	FLOOD
30 minute summer	SW8	20	59.458	2.088	115.2	2.6813	0.0000	FLOOD RISK
30 minute summer	SW9	20	58.769	1.609	128.4	2.2370	0.0000	SURCHARGED
30 minute summer	SW10	20	58.575	1.465	124.3	1.6568	0.0000	SURCHARGED
30 minute summer	SW11	20	58.375	1.315	136.3	1.7678	0.0000	SURCHARGED
30 minute summer	HW12	20	58.161	0.831	7.6	1.2325	0.0000	SURCHARGED
30 minute summer	HW13	20	58.160	0.940	16.6	1.5390	0.0000	SURCHARGED
30 minute summer	HW14	20	58.156	1.006	15.1	1.2933	0.0000	SURCHARGED
30 minute summer	SW15	20	58.142	1.142	155.2	1.4430	0.0000	SURCHARGED
480 minute winter	SW16	448	58.093	1.243	30.2	218.3375	0.0000	SURCHARGED
480 minute winter	SW17	448	56.389	0.029	5.0	0.0416	0.0000	OK
480 minute winter	SW18	448	53.529	0.029	5.0	0.0000	0.0000	OK
15 minute summer	SW4A	12	61.620	0.870	104.0	1.2445	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	HW1	1.000	SW2	15.0	0.376	0.257	0.5417	
15 minute summer	SW2	1.001	SW3	52.8	1.327	1.498	1.4600	
15 minute summer	SW3	1.002	SW4	81.1	2.104	2.351	0.8955	
15 minute summer	SW4	1.003	SW4A	104.0	3.269	0.660	0.3332	
15 minute summer	SW5	1.005	SW6	104.2	3.434	0.737	0.3097	
15 minute summer	SW6	1.006	SW7	110.9	3.250	0.537	0.4094	
15 minute summer	SW7	1.007	SW8	106.7	2.682	0.844	0.4631	
30 minute summer	SW8	1.008	SW9	109.0	2.741	1.544	0.4550	
30 minute summer	SW9	1.009	SW10	124.3	1.765	1.557	0.6785	
30 minute summer	SW10	1.010	SW11	122.7	1.743	1.568	0.7045	
30 minute summer	SW11	1.011	SW15	134.4	1.909	1.545	0.6862	
30 minute summer	HW12	2.000	HW13	-5.6	0.212	-0.137	0.7028	
30 minute summer	HW13	2.001	HW14	8.9	0.533	0.208	0.4087	
30 minute summer	HW14	2.002	SW15	14.9	0.550	0.362	0.4405	
30 minute summer	SW15	1.012	SW16	153.4	2.179	2.013	2.2295	
480 minute winter	SW16	1.013	SW17	5.0	1.345	0.022	0.0442	
480 minute winter	SW17	1.014	SW18	5.0	1.452	0.019	0.1829	194.8
15 minute summer	SW4A	1.004	SW5	94.6	2.859	0.647	0.2700	