

05/12/2025

Design Settings

Rainfall Methodology	FEH-22	Minimum Velocity (m/s)	1.00
Return Period (years)	2	Connection Type	Level Soffits
Additional Flow (%)	0	Minimum Backdrop Height (m)	0.200
CV	1.000	Preferred Cover Depth (m)	1.200
Time of Entry (mins)	4.00	Include Intermediate Ground	✓
Maximum Time of Concentration (mins)	30.00	Enforce best practice design rules	x
Maximum Rainfall (mm/hr)	75.0		

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
S1	0.036	4.00	4.560	1200	522403.745	105116.770	1.160
S2	0.086	4.00	4.500	1200	522401.046	105087.860	1.200
S3	0.080	4.00	4.550	1200	522400.539	105061.008	1.350
S4	0.044	4.00	4.700	1200	522366.104	105060.454	1.614
Ex RE 1	0.044	4.00	4.740		522394.481	105110.929	0.940
Ex RE 2	0.044	4.00	4.800		522366.199	105107.453	0.750
Ex SW 4	0.000	4.00	4.560	600	522394.858	105057.436	1.290
Ex SW 5			4.650	600	522365.677	105056.640	1.705
BioRetention	0.030	4.00	4.600	450	522412.169	105120.079	0.950
Outfall			4.650	450	522361.637	105056.519	1.725
AT		4.00	4.550	450	522397.527	105065.043	1.150

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)
5.000	Ex SW 4	Ex SW 5	29.192	0.600	3.270	3.070	0.200	146.0	100	4.77	55.6
4.000	Ex RE 2	S4	46.999	0.600	4.050	3.680	0.370	127.0	150	4.88	55.6
2.000	Ex RE 1	S3	50.287	0.600	3.800	3.350	0.450	111.7	150	4.88	55.6
1.005	Ex SW 5	Outfall	4.042	0.600	2.945	2.925	0.020	202.1	225	5.80	52.2
1.000	BioRetention	S1	9.300	0.600	3.650	3.550	0.100	93.0	150	4.15	55.6
1.001	S1	S2	24.500	0.600	3.400	3.300	0.100	245.0	300	4.56	55.6
1.003	S3	S4	34.439	0.600	3.200	3.086	0.114	302.1	300	5.66	52.8
1.004	S4	Ex SW 5	3.838	0.600	3.086	3.070	0.016	239.9	300	5.73	52.5
1.002	S2	S3	26.857	0.600	3.300	3.200	0.100	268.6	300	5.03	55.5
3.000	AT	S3	2.000	0.600	3.400	3.275	0.125	16.0	225	4.01	55.6

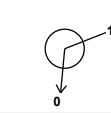
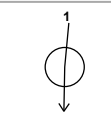
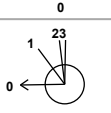
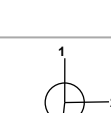
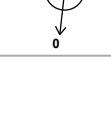
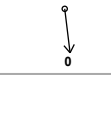
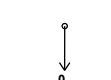
Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
5.000	0.634	5.0	0.0	1.190	1.480	0.000	0.0	0	0.000
4.000	0.890	15.7	8.8	0.600	0.870	0.044	0.0	81	0.916
2.000	0.950	16.8	8.8	0.790	1.050	0.044	0.0	78	0.963
1.005	0.916	36.4	68.7	1.480	1.500	0.364	0.0	225	0.933
1.000	1.042	18.4	6.0	0.800	0.860	0.030	0.0	59	0.933
1.001	1.000	70.7	13.3	0.860	0.900	0.066	0.0	88	0.771
1.003	0.899	63.6	52.6	1.050	1.314	0.276	0.0	209	1.001
1.004	1.011	71.4	69.1	1.314	1.280	0.364	0.0	239	1.145
1.002	0.954	67.5	30.5	0.900	1.050	0.152	0.0	142	0.931
3.000	3.287	130.7	0.0	0.925	1.050	0.000	0.0	0	0.000

Pipeline Schedule

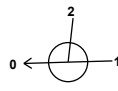
Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
5.000	29.192	146.0	100	Circular	4.560	3.270	1.190	4.650	3.070	1.480
4.000	46.999	127.0	150	Circular	4.800	4.050	0.600	4.700	3.680	0.870
2.000	50.287	111.7	150	Circular	4.740	3.800	0.790	4.550	3.350	1.050
1.005	4.042	202.1	225	Circular	4.650	2.945	1.480	4.650	2.925	1.500
1.000	9.300	93.0	150	Circular	4.600	3.650	0.800	4.560	3.550	0.860
1.001	24.500	245.0	300	Circular	4.560	3.400	0.860	4.500	3.300	0.900
1.003	34.439	302.1	300	Circular	4.550	3.200	1.050	4.700	3.086	1.314
1.004	3.838	239.9	300	Circular	4.700	3.086	1.314	4.650	3.070	1.280
1.002	26.857	268.6	300	Circular	4.500	3.300	0.900	4.550	3.200	1.050
3.000	2.000	16.0	225	Circular	4.550	3.400	0.925	4.550	3.275	1.050

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
5.000	Ex SW 4	600	Manhole	Adoptable	Ex SW 5	600	Manhole	Adoptable
4.000	Ex RE 2		Junction		S4	1200	Manhole	Adoptable
2.000	Ex RE 1		Junction		S3	1200	Manhole	Adoptable
1.005	Ex SW 5	600	Manhole	Adoptable	Outfall	450	Manhole	Adoptable
1.000	BioRetention	450	Manhole	Adoptable	S1	1200	Manhole	Adoptable
1.001	S1	1200	Manhole	Adoptable	S2	1200	Manhole	Adoptable
1.003	S3	1200	Manhole	Adoptable	S4	1200	Manhole	Adoptable
1.004	S4	1200	Manhole	Adoptable	Ex SW 5	600	Manhole	Adoptable
1.002	S2	1200	Manhole	Adoptable	S3	1200	Manhole	Adoptable
3.000	AT	450	Manhole	Adoptable	S3	1200	Manhole	Adoptable

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
S1	522403.745	105116.770	4.560	1.160	1200		1	1.000	3.550	150
							0	1.001	3.400	300
S2	522401.046	105087.860	4.500	1.200	1200		1	1.001	3.300	300
							0	1.002	3.300	300
S3	522400.539	105061.008	4.550	1.350	1200		1	3.000	3.275	225
							2	2.000	3.350	150
							3	1.002	3.200	300
							0	1.003	3.200	300
S4	522366.104	105060.454	4.700	1.614	1200		1	4.000	3.680	150
							2	1.003	3.086	300
							0	1.004	3.086	300
Ex RE 1	522394.481	105110.929	4.740	0.940			0	2.000	3.800	150
Ex RE 2	522366.199	105107.453	4.800	0.750			0	4.000	4.050	150

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
Ex SW 4	522394.858	105057.436	4.560	1.290	600		0	5.000	3.270	100
Ex SW 5	522365.677	105056.640	4.650	1.705	600		1 2 0	5.000 1.004 1.005	3.070 3.070 2.945	100 300 225
BioRetention	522412.169	105120.079	4.600	0.950	450		0	1.000	3.650	150
Outfall	522361.637	105056.519	4.650	1.725	450		1	1.005	2.925	225
AT	522397.527	105065.043	4.550	1.150	450		0	3.000	3.400	225

Simulation Settings

Rainfall Methodology	FEH-22	Analysis Speed	Normal	Starting Level (m)	
Rainfall Events	Singular	Skip Steady State	x	Check Discharge Rate(s)	x
Summer CV	1.000	Drain Down Time (mins)	240	Check Discharge Volume	x
Winter CV	1.000	Additional Storage (m³/ha)	0.0		

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 %)
1	0	0	0
2	0	0	0
10	0	0	0
30	0	0	0
30	45	0	0
100	0	0	0
100	45	0	0

Node BioRetention Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	3.650
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Time to half empty (mins)	12

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	34.0	0.0	0.400	34.0	0.0	0.750	34.0	0.0	0.950	34.0	0.0
0.100	34.0	0.0	0.500	34.0	0.0	0.800	34.0	0.0			
0.200	34.0	0.0	0.600	34.0	0.0	0.850	34.0	0.0			
0.300	34.0	0.0	0.700	34.0	0.0	0.900	34.0	0.0			

Node S2 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	4.360
Side Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Time to half empty (mins)	

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	3.5	3.5	0.140	500.0	500.0

Node AT Soakaway Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	3.400	Depth (m)	0.400
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	3	Inf Depth (m)	
Safety Factor	2.0	Pit Width (m)	4.500	Number Required	1
Porosity	0.95	Pit Length (m)	4.000		

Results for 1 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1	10	3.466	0.066	8.0	0.0751	0.0000	OK
15 minute summer	S2	10	3.407	0.107	19.3	0.1205	0.0000	OK
15 minute summer	S3	10	3.361	0.161	35.1	0.1818	0.0000	OK
15 minute summer	S4	11	3.278	0.192	44.9	0.2167	0.0000	OK
15 minute summer	Ex RE 1	10	3.861	0.061	5.9	0.0000	0.0000	OK
15 minute summer	Ex RE 2	10	4.113	0.063	5.9	0.0000	0.0000	OK
15 minute summer	Ex SW 4	1	3.270	0.000	0.0	0.0000	0.0000	OK
15 minute summer	Ex SW 5	11	3.181	0.236	45.0	0.0668	0.0000	SURCHARGED
15 minute summer	BioRetention	11	3.696	0.046	4.0	0.4741	0.0000	OK
15 minute summer	Outfall	11	3.103	0.178	45.1	0.0000	0.0000	OK
15 minute summer	AT	1	3.400	0.000	0.0	0.0000	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	S1	1.001	S2	7.8	0.465	0.110	0.4160	
15 minute summer	S2	1.002	S3	18.7	0.616	0.277	0.8166	
15 minute summer	S3	1.003	S4	33.9	0.789	0.534	1.4791	
15 minute summer	S4	1.004	Ex SW 5	45.0	1.034	0.630	0.1668	
15 minute summer	Ex RE 1	2.000	S3	5.7	0.860	0.340	0.3336	
15 minute summer	Ex RE 2	4.000	S4	5.7	0.821	0.364	0.3275	
15 minute summer	Ex SW 4	5.000	Ex SW 5	0.0	0.000	0.000	0.1142	
15 minute summer	Ex SW 5	1.005	Outfall	45.1	1.181	1.239	0.1483	18.8
15 minute summer	BioRetention	1.000	S1	3.4	0.780	0.187	0.0410	
15 minute summer	AT	3.000	S3	0.0	0.000	0.000	0.0139	

Results for 2 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1	10	3.484	0.084	12.7	0.0951	0.0000	OK
15 minute summer	S2	11	3.447	0.147	30.0	0.1659	0.0000	OK
15 minute summer	S3	11	3.420	0.220	53.4	0.2492	0.0000	OK
15 minute summer	S4	11	3.338	0.252	68.0	0.2856	0.0000	OK
15 minute summer	Ex RE 1	10	3.878	0.078	9.0	0.0000	0.0000	OK
15 minute summer	Ex RE 2	10	4.131	0.081	9.0	0.0000	0.0000	OK
15 minute summer	Ex SW 4	12	3.281	0.011	0.3	0.0030	0.0000	OK
15 minute summer	Ex SW 5	11	3.281	0.336	66.9	0.0950	0.0000	SURCHARGED
15 minute summer	BioRetention	11	3.709	0.059	6.1	0.6109	0.0000	OK
15 minute summer	Outfall	11	3.132	0.207	66.9	0.0000	0.0000	OK
15 minute summer	AT	12	3.408	0.008	1.5	0.1354	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	S1	1.001	S2	12.4	0.497	0.175	0.6166	
15 minute summer	S2	1.002	S3	28.2	0.644	0.419	1.2042	
15 minute summer	S3	1.003	S4	50.2	0.856	0.790	2.0447	
15 minute summer	S4	1.004	Ex SW 5	66.9	1.162	0.937	0.2228	
15 minute summer	Ex RE 1	2.000	S3	8.8	0.961	0.523	0.4596	
15 minute summer	Ex RE 2	4.000	S4	8.8	0.916	0.559	0.4517	
15 minute summer	Ex SW 4	5.000	Ex SW 5	-0.3	-0.066	-0.065	0.1208	
15 minute summer	Ex SW 5	1.005	Outfall	66.9	1.682	1.836	0.1576	28.8
15 minute summer	BioRetention	1.000	S1	5.5	0.881	0.296	0.0576	
15 minute summer	AT	3.000	S3	-1.5	0.475	-0.012	0.0274	

Results for 10 year Critical Storm Duration. Lowest mass balance: 99.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1	11	3.751	0.351	24.7	0.3971	0.0000	SURCHARGED
15 minute summer	S2	11	3.743	0.443	58.1	0.5012	0.0000	SURCHARGED
15 minute summer	S3	12	3.703	0.503	105.7	0.5690	0.0000	SURCHARGED
15 minute summer	S4	11	3.528	0.442	98.8	0.4998	0.0000	SURCHARGED
15 minute summer	Ex RE 1	11	4.101	0.301	17.9	0.0000	0.0000	SURCHARGED
15 minute summer	Ex RE 2	10	4.197	0.147	17.9	0.0000	0.0000	OK
15 minute summer	Ex SW 4	12	3.453	0.183	2.5	0.0518	0.0000	SURCHARGED
15 minute summer	Ex SW 5	11	3.447	0.502	98.2	0.1419	0.0000	SURCHARGED
15 minute summer	BioRetention	12	3.766	0.116	12.2	1.2033	0.0000	OK
15 minute summer	Outfall	9	3.138	0.213	97.5	0.0000	0.0000	OK
15 minute summer	AT	12	3.706	0.306	43.6	5.2870	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	S1	1.001	S2	23.0	0.524	0.326	1.7253	
15 minute summer	S2	1.002	S3	57.5	0.816	0.852	1.8913	
15 minute summer	S3	1.003	S4	73.5	1.044	1.157	2.4252	
15 minute summer	S4	1.004	Ex SW 5	98.2	1.395	1.375	0.2703	
15 minute summer	Ex RE 1	2.000	S3	16.4	0.957	0.976	0.8853	
15 minute summer	Ex RE 2	4.000	S4	16.7	1.030	1.062	0.7653	
15 minute summer	Ex SW 4	5.000	Ex SW 5	-2.5	-0.367	-0.508	0.2284	
15 minute summer	Ex SW 5	1.005	Outfall	97.5	2.453	2.679	0.1591	58.0
15 minute summer	BioRetention	1.000	S1	10.7	0.991	0.579	0.1499	
15 minute summer	AT	3.000	S3	-43.6	-1.147	-0.333	0.0795	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.44%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1	11	4.094	0.694	25.4	0.7854	0.0000	SURCHARGED
15 minute summer	S2	11	4.087	0.787	60.7	0.8902	0.0000	SURCHARGED
15 minute summer	S3	11	4.043	0.843	124.4	0.9537	0.0000	SURCHARGED
15 minute summer	S4	11	3.781	0.695	129.0	0.7865	0.0000	SURCHARGED
15 minute summer	Ex RE 1	11	4.638	0.838	23.5	0.0000	0.0000	FLOOD RISK
15 minute summer	Ex RE 2	10	4.491	0.441	23.5	0.0000	0.0000	SURCHARGED
15 minute summer	Ex SW 4	12	3.658	0.388	2.3	0.1097	0.0000	SURCHARGED
15 minute summer	Ex SW 5	11	3.644	0.699	128.0	0.1979	0.0000	SURCHARGED
15 minute summer	BioRetention	12	4.108	0.458	28.8	4.7404	0.0000	SURCHARGED
15 minute summer	Outfall	8	3.138	0.213	125.0	0.0000	0.0000	OK
15 minute summer	AT	11	4.041	0.641	65.7	6.9505	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	S1	1.001	S2	28.5	0.512	0.403	1.7253	
15 minute summer	S2	1.002	S3	64.2	0.911	0.951	1.8913	
15 minute summer	S3	1.003	S4	87.6	1.244	1.378	2.4252	
15 minute summer	S4	1.004	Ex SW 5	128.0	1.818	1.792	0.2703	
15 minute summer	Ex RE 1	2.000	S3	19.9	1.132	1.188	0.8853	
15 minute summer	Ex RE 2	4.000	S4	21.7	1.233	1.378	0.8020	
15 minute summer	Ex SW 4	5.000	Ex SW 5	-2.3	-0.322	-0.454	0.2284	
15 minute summer	Ex SW 5	1.005	Outfall	125.0	3.142	3.431	0.1591	76.5
15 minute summer	BioRetention	1.000	S1	21.2	1.204	1.150	0.1637	
15 minute summer	AT	3.000	S3	-65.7	-1.833	-0.503	0.0795	

Results for 30 year +45% CC Critical Storm Duration. Lowest mass balance: 99.41%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1	12	4.441	1.041	34.1	1.1779	0.0000	FLOOD RISK
15 minute summer	S2	13	4.428	1.128	75.0	9.7326	0.0000	FLOOD RISK
15 minute summer	S3	10	4.409	1.209	152.4	1.3679	0.0000	FLOOD RISK
15 minute summer	S4	10	4.103	1.017	157.9	1.1502	0.0000	SURCHARGED
15 minute summer	Ex RE 1	9	4.740	0.940	34.1	0.0000	0.0000	FLOOD RISK
15 minute summer	Ex RE 2	9	4.800	0.750	34.1	0.0000	0.0000	FLOOD RISK
15 minute summer	Ex SW 4	11	3.907	0.637	4.1	0.1802	0.0000	SURCHARGED
15 minute summer	Ex SW 5	10	3.894	0.949	157.4	0.2686	0.0000	SURCHARGED
15 minute summer	BioRetention	12	4.499	0.849	45.1	8.7930	0.0000	FLOOD RISK
15 minute summer	Outfall	7	3.138	0.213	152.9	0.0000	0.0000	OK
15 minute summer	AT	10	4.413	1.013	78.0	7.0096	0.0000	FLOOD RISK
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	S1	1.001	S2	42.7	0.607	0.605	1.7253	
15 minute summer	S2	1.002	S3	87.2	1.238	1.292	1.8913	
15 minute summer	S3	1.003	S4	108.4	1.539	1.705	2.4252	
15 minute summer	S4	1.004	Ex SW 5	157.4	2.236	2.204	0.2703	
15 minute summer	Ex RE 1	2.000	S3	28.2	1.604	1.682	0.8853	
15 minute summer	Ex RE 2	4.000	S4	29.3	1.664	1.862	0.8274	
15 minute summer	Ex SW 4	5.000	Ex SW 5	-4.1	-0.529	-0.830	0.2284	
15 minute summer	Ex SW 5	1.005	Outfall	152.9	3.844	4.198	0.1591	111.1
15 minute summer	BioRetention	1.000	S1	31.9	1.813	1.733	0.1637	
15 minute summer	AT	3.000	S3	-78.0	-1.961	-0.597	0.0795	

Results for 100 year Critical Storm Duration. Lowest mass balance: 99.59%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1	12	4.405	1.005	48.4	1.1369	0.0000	FLOOD RISK
15 minute summer	S2	12	4.391	1.091	69.5	3.0044	0.0000	FLOOD RISK
15 minute summer	S3	11	4.354	1.154	138.5	1.3056	0.0000	FLOOD RISK
15 minute summer	S4	11	4.022	0.936	152.4	1.0586	0.0000	SURCHARGED
15 minute summer	Ex RE 1	10	4.740	0.940	29.6	0.0000	0.0000	FLOOD RISK
15 minute summer	Ex RE 2	10	4.800	0.750	29.6	0.0000	0.0000	FLOOD RISK
30 minute summer	Ex SW 4	19	3.831	0.561	2.8	0.1587	0.0000	SURCHARGED
15 minute summer	Ex SW 5	11	3.836	0.891	148.7	0.2521	0.0000	SURCHARGED
30 minute summer	BioRetention	20	4.433	0.783	39.7	8.1123	0.0000	FLOOD RISK
15 minute summer	Outfall	8	3.138	0.213	147.0	0.0000	0.0000	OK
15 minute summer	AT	11	4.351	0.951	69.8	6.9997	0.0000	FLOOD RISK
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	S1	1.001	S2	37.0	0.526	0.524	1.7253	
15 minute summer	S2	1.002	S3	67.0	0.951	0.992	1.8913	
15 minute summer	S3	1.003	S4	103.8	1.474	1.634	2.4252	
15 minute summer	S4	1.004	Ex SW 5	148.7	2.112	2.081	0.2703	
15 minute summer	Ex RE 1	2.000	S3	23.9	1.356	1.423	0.8853	
15 minute summer	Ex RE 2	4.000	S4	25.3	1.437	1.608	0.8274	
30 minute summer	Ex SW 4	5.000	Ex SW 5	-2.8	-0.354	-0.555	0.2284	
15 minute summer	Ex SW 5	1.005	Outfall	147.0	3.696	4.037	0.1591	95.7
30 minute summer	BioRetention	1.000	S1	28.5	1.618	1.547	0.1637	
15 minute summer	AT	3.000	S3	-69.8	-1.755	-0.534	0.0795	

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.39%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S1	19	4.497	1.097	39.5	1.2413	0.0000	FLOOD RISK
30 minute summer	S2	21	4.475	1.175	114.8	25.2877	0.0000	FLOOD RISK
15 minute summer	S3	9	4.497	1.297	152.8	1.4672	0.0000	FLOOD RISK
15 minute summer	S4	11	4.183	1.097	175.3	1.2408	0.0000	SURCHARGED
15 minute summer	Ex RE 1	9	4.740	0.940	42.9	0.0000	0.0000	FLOOD RISK
15 minute summer	Ex RE 2	9	4.800	0.750	42.9	0.0000	0.0000	FLOOD RISK
15 minute summer	Ex SW 4	11	3.992	0.722	4.7	0.2043	0.0000	SURCHARGED
15 minute summer	Ex SW 5	11	3.967	1.022	165.2	0.2893	0.0000	SURCHARGED
30 minute summer	BioRetention	20	4.599	0.949	54.0	9.8348	0.0000	FLOOD RISK
15 minute summer	Outfall	7	3.138	0.213	160.2	0.0000	0.0000	OK
15 minute summer	AT	9	4.506	1.106	83.9	7.0243	0.0000	FLOOD RISK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S1	1.001	S2	39.4	0.560	0.558	1.7253	
30 minute summer	S2	1.002	S3	94.5	1.342	1.401	1.8913	
15 minute summer	S3	1.003	S4	111.0	1.576	1.746	2.4252	
15 minute summer	S4	1.004	Ex SW 5	165.2	2.346	2.313	0.2703	
15 minute summer	Ex RE 1	2.000	S3	35.6	2.022	2.121	0.8853	
15 minute summer	Ex RE 2	4.000	S4	36.4	2.066	2.313	0.8274	
15 minute summer	Ex SW 4	5.000	Ex SW 5	-4.7	-0.604	-0.948	0.2284	
15 minute summer	Ex SW 5	1.005	Outfall	160.2	4.029	4.400	0.1591	138.6
30 minute summer	BioRetention	1.000	S1	30.5	1.732	1.655	0.1637	
15 minute summer	AT	3.000	S3	-83.9	-2.110	-0.642	0.0795	