

Design Settings

Rainfall Methodology	FEH-13	Minimum Velocity (m/s)	1.00
Return Period (years)	30	Connection Type	Level Soffits
Additional Flow (%)	0	Minimum Backdrop Height (m)	1.800
CV	1.000	Preferred Cover Depth (m)	0.450
Time of Entry (mins)	4.00	Include Intermediate Ground	✓
Maximum Time of Concentration (mins)	50.00	Enforce best practice design rules	✓
Maximum Rainfall (mm/hr)	500.0		

Circular Default Sewer Type Link Type

Shape Circular | Barrels 1 | Auto Increment (mm) 75 | Follow Ground x

Available Diameters (mm)

100 | 150

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
02	0.020	4.00	23.564	1200	507240.876	105171.288	1.212
102	0.018	4.00	25.400	525	507202.864	105211.774	0.900
104	0.008	4.00	25.600	525	507213.901	105211.774	1.350
106	0.018	4.00	24.950	525	507213.901	105199.813	0.950
108	0.015	4.00	24.400	525	507219.559	105184.605	1.000
110	0.004	4.00	24.450	525	507219.593	105179.530	0.950
112	0.010	4.00	24.200	1200	507223.759	105180.406	1.100
114	0.011	4.00	23.750	525	507219.140	105150.683	0.900
116	0.009	4.00	23.500	525	507230.480	105152.122	0.800
118	0.002	4.00	23.650	525	507229.080	105163.150	1.150
04	0.040	4.00	23.764	2400	507226.183	105168.617	2.675
06	0.020	4.00	23.919	2400	507207.248	105164.408	2.869
120	0.009	4.00	24.300	525	507194.453	105172.440	0.850

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
122	0.011	4.00	24.370	525	507184.507	105173.800	1.070
124	0.009	4.00	24.450	525	507177.536	105174.815	1.300
CS01	0.000	4.00	23.000	100	507174.307	105148.305	1.900
126	0.012	4.00	23.650	525	507178.543	105152.187	1.650
VC01	0.000		23.700	1200	507174.684	105155.298	2.650
08	0.056	4.00	24.162	2400	507173.799	105167.542	3.180
128	0.013	4.00	24.550	525	507165.858	105188.408	0.750
130	0.005	4.00	24.570	525	507160.575	105179.970	1.070
130A	0.000	4.00	24.750	525	507153.233	105183.970	1.450
132	0.009	4.00	25.750	525	507170.934	105219.507	0.700
134	0.011	4.00	25.400	525	507170.934	105207.090	0.800
136	0.005	4.00	25.100	525	507172.361	105195.883	0.650
138	0.020	4.00	25.200	525	507160.060	105203.587	1.100
140	0.011	4.00	24.950	525	507151.371	105189.707	1.100
142	0.005	4.00	27.700	525	507096.598	105279.374	0.600
144	0.006	4.00	27.700	525	507114.150	105262.343	0.750
146	0.018	4.00	27.250	525	507096.598	105262.343	0.700
148	0.013	4.00	26.400	525	507070.543	105260.132	0.800
150	0.025	4.00	26.850	525	507086.122	105272.189	0.750
152	0.000		26.480	525	507086.122	105260.132	1.180
154	0.006	4.00	26.350	525	507089.511	105257.466	1.350
156	0.007	4.00	25.300	525	507056.674	105237.987	0.700
158	0.008	4.00	25.350	525	507071.874	105237.982	0.950
160	0.008	4.00	25.500	525	507073.869	105254.472	0.700
162	0.011	4.00	25.600	525	507075.006	105244.781	1.350
164	0.021	4.00	26.040	525	507089.511	105244.781	2.140
166	0.006	4.00	26.150	525	507105.369	105242.488	2.550
168	0.008	4.00	25.500	525	507105.369	105226.926	2.100
170	0.003	4.00	25.250	525	507105.369	105213.036	2.050
172	0.007	4.00	25.000	525	507141.324	105193.998	0.750

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
174	0.018	4.00	24.980	525	507128.527	105202.012	0.980
176	0.006	4.00	24.950	525	507126.963	105199.515	1.050
178	0.000	4.00	25.000	525	507114.370	105207.400	2.000
10	0.040	4.00	24.790	2400	507110.908	105201.791	3.790
CC12	0.000		24.443	3000	507144.806	105180.615	3.525
180	0.013	4.00	24.800	525	507109.457	105193.725	0.750
182	0.004	4.00	24.600	525	507102.557	105181.560	0.750
184	0.014	4.00	24.730	525	507124.506	105186.860	0.630
186	0.002	4.00	24.550	525	507116.894	105173.410	1.000
188	0.001	4.00	24.450	525	507117.693	105169.932	0.950
190	0.004	4.00	24.650	525	507136.791	105180.630	0.700
192	0.002	4.00	24.600	525	507138.658	105175.734	0.750
194	0.000		23.600	525	507129.844	105163.229	2.300
14	0.000		23.250	1350	507132.754	105160.992	2.750
196	0.020	4.00	23.200	525	507228.404	105137.206	0.850
198	0.010	4.00	23.000	525	507201.103	105132.687	0.950
200	0.012	4.00	22.850	525	507176.436	105130.257	0.650
202	0.002	4.00	22.900	525	507183.056	105131.242	1.050
204	0.022	4.00	23.400	525	507182.169	105142.311	1.800
206	0.000		22.800	525	507139.401	105138.886	1.600
208	0.008	4.00	23.000	525	507126.758	105162.492	0.750
210	0.014	4.00	22.820	525	507120.123	105149.344	0.820
212	0.012	4.00	22.550	525	507115.234	105140.663	1.750
16	0.021	4.00	22.400	1200	507115.245	105136.952	2.400
214	0.046	4.00	26.500	525	507058.403	105277.808	1.150
216	0.024	4.00	25.960	525	507024.383	105277.808	1.160
218	0.023	4.00	25.530	525	507021.074	105268.810	1.080
220	0.012	4.00	24.650	525	507021.073	105251.228	0.900
222	0.011	4.00	23.400	525	507012.666	105232.774	0.900
224	0.021	4.00	23.050	525	507011.205	105221.107	1.350

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
18	0.021	4.00	22.729	2100	507015.499	105209.464	2.229
226	0.013	4.00	24.300	525	507069.086	105221.633	0.600
228	0.012	4.00	24.350	525	507069.086	105215.460	1.100
230	0.015	4.00	23.600	525	507046.868	105225.541	0.600
232	0.012	4.00	23.700	525	507046.868	105215.460	1.000
234	0.010	4.00	22.950	525	507026.410	105224.220	0.650
236	0.000		23.100	525	507026.410	105215.460	1.100
20	0.042	4.00	22.855	2100	507026.709	105209.456	2.378
238	0.005	4.00	25.250	525	507089.511	105224.922	1.450
CS02	0.000	4.00	25.000	100	507084.966	105227.575	3.550
VC02	0.019	4.00	25.000	1200	507084.942	105221.081	3.600
22	0.025	4.00	24.557	2100	507083.752	105209.677	4.121
24	0.019	4.00	23.997	2400	507065.517	105209.127	3.598
26	0.000		23.450	2100	507065.579	105190.835	3.088
CC28	0.000		23.000	2700	507070.479	105178.486	2.665
240	0.010	4.00	24.500	525	507079.959	105199.571	1.100
242	0.017	4.00	24.600	525	507091.250	105199.567	1.450
244	0.002	4.00	24.250	525	507091.242	105184.526	1.350
246	0.002	4.00	24.250	525	507080.950	105184.528	1.550
248	0.010	4.00	23.500	525	507080.949	105177.541	1.000
250	0.013	4.00	23.200	525	507096.848	105163.026	0.750
252	0.010	4.00	22.800	525	507075.716	105163.026	1.500
30	0.010	4.00	22.500	1200	507070.415	105162.319	2.450
32	0.000		22.300	1200	507068.066	105153.606	2.400
254	0.029	4.00	22.550	525	507064.378	105178.426	1.050
256	0.009	4.00	22.200	525	507047.889	105160.931	0.800
258	0.019	4.00	22.350	525	507064.378	105160.931	1.300
260	0.018	4.00	21.700	525	507047.889	105139.607	0.900
262	0.012	4.00	21.850	525	507064.378	105139.613	1.650
34	0.007	4.00	21.850	1350	507068.080	105136.972	2.200

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
264	0.009	4.00	22.450	525	507082.807	105153.066	0.800
266	0.017	4.00	22.200	525	507082.805	105140.266	1.900
36	0.000		22.050	1350	507082.068	105136.455	2.550
BASIN	0.115	4.00	20.100	100	507062.287	105099.787	1.400
268	0.012	4.00	23.500	525	507049.500	105203.176	0.800
270	0.002	4.00	22.900	525	507049.495	105184.576	0.800
272	0.011	4.00	23.100	525	507038.021	105199.616	0.700
274	0.005	4.00	22.700	525	507038.018	105184.579	0.800
276	0.011	4.00	22.900	525	507025.410	105202.836	0.700
278	0.002	4.00	22.500	525	507025.410	105184.579	0.800
280	0.004	4.00	22.500	525	507019.849	105184.580	1.150
282	0.008	4.00	21.950	525	507019.849	105179.771	0.900
284	0.037	4.00	21.400	525	507019.849	105169.568	1.050
286	0.016	4.00	21.100	525	507019.849	105151.094	1.500
288	0.022	4.00	20.900	525	507019.849	105139.805	1.630
290	0.014	4.00	20.700	525	507031.873	105129.473	1.530
292	0.013	4.00	20.450	525	507013.216	105131.391	1.050
294	0.019	4.00	20.500	525	507017.802	105127.053	1.150
296	0.005	4.00	20.650	525	507031.873	105126.188	1.500
298	0.012	4.00	21.300	525	507069.178	105120.750	0.750
300	0.006	4.00	21.300	525	507061.447	105113.593	1.100
302	0.010	4.00	20.800	525	507047.539	105108.185	1.000
304	0.009	4.00	20.600	525	507031.867	105106.140	1.650
306	0.007	4.00	20.400	525	507015.556	105106.149	1.550
CC38	0.000		20.600	2700	507014.716	105096.030	1.950
40	0.000		19.500	1200	507000.669	105107.072	1.200
42	0.000		19.800	1200	507000.661	105123.206	1.800
44	0.000		18.225	1200	506924.239	105122.429	1.775
46	0.000		16.662	1200	506864.075	105085.080	1.712
48	0.000		15.395	1200	506764.500	105079.989	2.995

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
50	0.000		13.482	1200	506748.330	105079.194	1.933

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	02	04	14.934	0.600	22.352	22.289	0.063	237.0	300	4.15	140.2
2.000	102	104	10.600	0.600	24.500	24.300	0.200	53.0	100	4.18	140.2
2.001	104	106	11.450	0.600	24.250	24.000	0.250	45.8	150	4.32	140.2
2.002	106	108	15.700	0.600	24.000	23.475	0.525	29.9	150	4.52	140.2
2.003	108	112	5.400	0.600	23.400	23.175	0.225	24.0	225	4.58	140.2
3.000	110	112	3.700	0.600	23.500	23.300	0.200	18.5	100	4.07	140.2
2.004	112	04	11.600	0.600	23.100	22.289	0.811	14.3	300	4.66	140.2
4.000	114	116	10.900	0.600	22.850	22.700	0.150	72.7	100	4.19	140.2
4.001	116	118	10.600	0.600	22.700	22.550	0.150	70.7	100	4.38	140.2
4.002	118	04	5.600	0.600	22.500	22.439	0.061	91.8	150	4.48	140.2

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	1.017	71.9	10.1	0.912	1.175	0.020	0.0
2.000	1.060	8.3	9.1	0.800	1.200	0.018	0.0
2.001	1.490	26.3	13.2	1.200	0.800	0.026	0.0
2.002	1.848	32.6	22.3	0.800	0.775	0.044	0.0
2.003	2.682	106.6	29.9	0.775	0.800	0.059	0.0
3.000	1.804	14.2	2.0	0.850	0.800	0.004	0.0
2.004	4.178	295.3	37.0	0.800	1.175	0.073	0.0
4.000	0.904	7.1	5.6	0.800	0.700	0.011	0.0
4.001	0.917	7.2	10.1	0.700	1.000	0.020	0.0
4.002	1.049	18.5	11.1	1.000	1.175	0.022	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)
1.001	04	06	19.397	0.600	21.089	21.050	0.039	497.4	1500	4.99	140.2
1.002	06	08	33.595	0.600	21.050	20.982	0.068	494.0	1500	5.55	135.5
5.000	120	122	9.500	0.600	23.450	23.300	0.150	63.3	100	4.17	140.2
5.001	122	124	6.500	0.600	23.300	23.200	0.100	65.0	100	4.28	140.2
5.002	124	08	7.600	0.600	23.150	22.332	0.818	9.3	150	4.32	140.2
6.000	CS01	VC01	5.001	0.600	21.100	21.050	0.050	100.0	300	4.12	140.2
7.000	126	VC01	4.500	0.600	22.000	21.200	0.800	5.6	150	4.04	140.2
6.001	VC01	08	12.276	0.600	21.050	20.982	0.068	180.5	300	4.21	140.2
1.003	08	CC12	31.804	0.600	20.982	20.918	0.064	496.9	1500	6.00	131.5
8.000	128	130	9.400	0.600	23.800	23.550	0.250	37.6	100	4.12	140.2
8.001	130	130A	8.353	0.600	23.500	23.350	0.150	55.7	100	4.38	140.2
8.002	130A	CC12	7.589	0.600	23.300	22.268	1.032	7.4	150	4.51	140.2
9.000	132	134	11.900	0.600	25.050	24.600	0.450	26.4	100	4.12	140.2

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)
1.001	1.916	3386.1	78.5	1.175	1.369	0.155	0.0
1.002	1.923	3397.5	85.7	1.369	1.680	0.175	0.0
5.000	0.969	7.6	4.6	0.750	0.970	0.009	0.0
5.001	0.956	7.5	10.1	0.970	1.150	0.020	0.0
5.002	3.325	58.8	14.7	1.150	1.680	0.029	0.0
6.000	1.572	111.1	0.0	1.600	2.350	0.000	0.0
7.000	4.277	75.6	6.1	1.500	2.350	0.012	0.0
6.001	1.167	82.5	6.1	2.350	2.880	0.012	0.0
1.003	1.917	3387.6	129.3	1.680	2.025	0.272	0.0
8.000	1.261	9.9	6.6	0.650	0.920	0.013	0.0
8.001	1.034	8.1	9.1	0.970	1.300	0.018	0.0
8.002	3.739	66.1	9.1	1.300	2.025	0.018	0.0
9.000	1.507	11.8	4.6	0.600	0.700	0.009	0.0



BANNERS GATE

Banners Gate Limited
10-11 Birmingham Street
Halesowen
B63 3HN

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Network: Storm Network 51
Oliver Bayley
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SW SUPER NETWORK

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)
9.001	134	138	10.900	0.600	24.600	24.150	0.450	24.2	100	4.22	140.2
10.000	136	138	14.000	0.600	24.450	24.150	0.300	46.7	100	4.24	140.2
9.002	138	140	15.800	0.600	24.100	23.850	0.250	63.2	150	4.51	140.2
9.003	140	CC12	10.700	0.600	23.850	22.268	1.582	6.8	150	4.70	140.2
11.000	142	146	16.500	0.600	27.100	26.550	0.550	30.0	100	4.21	140.2
12.000	144	146	17.000	0.600	26.950	26.550	0.400	42.5	100	4.51	140.2
11.001	146	154	8.100	0.600	26.550	25.050	1.500	5.4	100	4.68	140.2
13.000	148	152	15.050	0.600	25.600	25.350	0.250	60.2	100	4.42	140.2
14.000	150	152	11.500	0.600	26.100	25.300	0.800	14.4	150	4.16	140.2
13.001	152	154	3.800	0.600	25.300	25.000	0.300	12.7	150	4.49	140.2
11.002	154	164	12.150	0.600	25.000	23.975	1.025	11.9	150	4.89	140.2
15.000	156	158	14.700	0.600	24.600	24.400	0.200	73.5	100	4.25	140.2
15.001	158	162	6.950	0.600	24.400	24.300	0.100	69.5	100	4.29	140.2

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)
9.001	1.575	12.4	10.1	0.700	0.950	0.020	0.0
10.000	1.131	8.9	2.5	0.550	0.950	0.005	0.0
9.002	1.267	22.4	22.8	0.950	0.950	0.045	0.0
9.003	3.899	68.9	28.4	0.950	2.025	0.056	0.0
11.000	1.414	11.1	2.5	0.500	0.600	0.005	0.0
12.000	1.186	9.3	3.0	0.650	0.600	0.006	0.0
11.001	3.350	26.3	14.7	0.600	1.200	0.029	0.0
13.000	0.994	7.8	6.6	0.700	1.030	0.013	0.0
14.000	2.670	47.2	12.7	0.600	1.030	0.025	0.0
13.001	2.846	50.3	19.3	1.030	1.200	0.038	0.0
11.002	2.942	52.0	37.0	1.200	1.915	0.073	0.0
15.000	0.899	7.1	3.5	0.600	0.850	0.007	0.0
15.001	0.924	7.3	7.6	0.850	1.200	0.015	0.0



BANNERS GATE

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SW SUPER NETWORK

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)
16.000	160	162	7.250	0.600	24.800	24.300	0.500	14.5	100	4.07	140.2
15.002	162	164	14.000	0.600	24.250	23.975	0.275	50.9	150	4.52	140.2
11.003	164	166	15.500	0.600	23.900	23.675	0.225	68.9	225	5.16	138.9
11.004	166	168	15.150	0.600	23.600	23.400	0.200	75.8	300	5.42	136.6
11.005	168	170	13.400	0.600	23.400	23.200	0.200	67.0	300	5.65	134.6
11.006	170	178	10.100	0.600	23.200	23.000	0.200	50.5	300	5.82	133.0
17.000	172	174	15.100	0.600	24.250	24.000	0.250	60.4	100	4.07	140.2
17.001	174	176	2.946	0.600	24.000	23.950	0.050	58.9	100	4.31	140.2
17.002	176	178	14.816	0.600	23.900	23.150	0.750	19.8	150	4.81	140.2
11.007	178	10	6.100	0.600	23.000	22.200	0.800	7.6	300	5.93	132.1
11.008	10	CC12	39.969	0.600	21.000	20.918	0.082	487.4	1500	6.60	126.7
1.004	CC12	14	23.029	0.600	20.918	20.500	0.418	55.1	300	6.79	125.2
19.000	180	182	13.300	0.600	24.050	23.850	0.200	66.5	100	4.36	140.2

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)
16.000	2.039	16.0	4.1	0.600	1.200	0.008	0.0
15.002	1.413	25.0	17.2	1.200	1.915	0.034	0.0
11.003	1.577	62.7	64.3	1.915	2.250	0.128	0.0
11.004	1.808	127.8	66.2	2.250	1.800	0.134	0.0
11.005	1.923	135.9	69.1	1.800	1.750	0.142	0.0
11.006	2.217	156.7	69.7	1.750	1.700	0.145	0.0
17.000	0.993	7.8	3.5	0.650	0.880	0.007	0.0
17.001	1.005	7.9	12.7	0.880	0.900	0.025	0.0
17.002	2.276	40.2	15.7	0.900	1.700	0.031	0.0
11.007	5.727	404.8	84.0	1.700	2.290	0.176	0.0
11.008	1.936	3420.7	98.9	2.290	2.025	0.216	0.0
1.004	2.122	150.0	254.3	3.225	2.450	0.562	0.0
19.000	0.945	7.4	6.6	0.650	0.650	0.013	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)
19.001	182	186	16.000	0.600	23.850	23.600	0.250	64.0	100	4.63	140.2
20.000	184	186	14.950	0.600	24.100	23.600	0.500	29.9	100	4.25	140.2
19.002	186	188	3.100	0.600	23.550	23.500	0.050	62.0	150	4.69	140.2
19.003	188	194	13.350	0.600	23.500	21.300	2.200	6.1	150	4.92	140.2
21.000	190	192	4.700	0.600	23.950	23.850	0.100	47.0	100	4.06	140.2
21.001	192	194	14.800	0.600	23.850	21.350	2.500	5.9	100	4.23	140.2
19.004	194	14	3.150	0.600	21.300	20.650	0.650	4.8	150	4.99	140.2
1.005	14	16	29.740	0.600	20.500	20.000	0.500	59.5	300	7.28	121.5
22.000	196	198	27.100	0.600	22.350	22.050	0.300	90.3	150	4.46	140.2
22.001	198	202	17.600	0.600	22.050	21.850	0.200	88.0	150	4.76	140.2
23.000	200	202	6.200	0.600	22.200	21.900	0.300	20.7	100	4.06	140.2
22.002	202	204	10.600	0.600	21.850	21.675	0.175	60.6	150	4.95	140.2
22.003	204	206	42.400	0.600	21.600	21.200	0.400	106.0	225	5.66	134.5

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)
19.001	0.964	7.6	8.6	0.650	0.850	0.017	0.0
20.000	1.416	11.1	7.1	0.530	0.850	0.014	0.0
19.002	1.279	22.6	16.7	0.850	0.800	0.033	0.0
19.003	4.117	72.8	17.2	0.800	2.150	0.034	0.0
21.000	1.127	8.9	2.0	0.600	0.650	0.004	0.0
21.001	3.199	25.1	3.0	0.650	2.150	0.006	0.0
19.004	4.609	81.4	20.3	2.150	2.450	0.040	0.0
1.005	2.042	144.3	264.3	2.450	2.100	0.602	0.0
22.000	1.058	18.7	10.1	0.700	0.800	0.020	0.0
22.001	1.072	18.9	15.2	0.800	0.900	0.030	0.0
23.000	1.706	13.4	6.1	0.550	0.900	0.012	0.0
22.002	1.294	22.9	22.3	0.900	1.575	0.044	0.0
22.003	1.269	50.5	32.1	1.575	1.375	0.066	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)
22.004	206	16	23.700	0.600	21.200	20.075	1.125	21.1	225	6.07	131.0
24.000	208	210	14.200	0.600	22.250	22.000	0.250	56.8	100	4.39	140.2
24.001	210	212	9.400	0.600	22.000	20.850	1.150	8.2	100	4.55	140.2
24.002	212	16	3.200	0.600	20.800	20.150	0.650	4.9	150	4.62	140.2
1.006	16	36	33.181	0.600	20.000	19.500	0.500	66.4	300	7.64	119.0
25.000	214	216	34.200	0.600	25.350	24.800	0.550	62.2	225	4.43	140.2
25.001	216	218	9.100	0.600	24.800	24.450	0.350	26.0	225	4.53	140.2
25.002	218	220	17.100	0.600	24.450	23.750	0.700	24.4	225	4.70	140.2
25.003	220	222	19.800	0.600	23.750	22.575	1.175	16.9	225	4.89	140.2
25.004	222	224	11.250	0.600	22.500	21.700	0.800	14.1	300	5.01	140.2
25.005	224	18	11.900	0.600	21.700	21.400	0.300	39.7	300	5.21	138.4
25.006	18	20	11.210	0.600	20.500	20.477	0.023	487.4	1200	5.40	136.7
26.000	226	228	5.700	0.600	23.700	23.300	0.400	14.3	100	4.05	140.2

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)
22.004	2.863	113.8	31.2	1.375	2.100	0.066	0.0
24.000	1.024	8.0	4.1	0.650	0.720	0.008	0.0
24.001	2.720	21.4	11.1	0.720	1.600	0.022	0.0
24.002	4.573	80.8	17.2	1.600	2.100	0.034	0.0
1.006	1.933	136.6	310.9	2.100	2.250	0.723	0.0
25.000	1.661	66.0	23.3	0.925	0.935	0.046	0.0
25.001	2.576	102.4	35.5	0.935	0.855	0.070	0.0
25.002	2.658	105.7	47.1	0.855	0.675	0.093	0.0
25.003	3.203	127.3	53.2	0.675	0.600	0.105	0.0
25.004	4.213	297.8	58.8	0.600	1.050	0.116	0.0
25.005	2.503	177.0	68.5	1.050	1.029	0.137	0.0
25.006	1.687	1908.5	78.1	1.029	1.178	0.158	0.0
26.000	2.057	16.2	6.6	0.500	0.950	0.013	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)
26.001	228	232	21.700	0.600	23.250	22.750	0.500	43.4	150	4.42	140.2
27.000	230	232	9.600	0.600	23.000	22.700	0.300	32.0	150	4.11	140.2
26.002	232	236	19.950	0.600	22.700	22.075	0.625	31.9	150	4.76	140.2
28.000	234	236	8.250	0.600	22.300	22.125	0.175	47.1	100	4.13	140.2
26.003	236	20	5.500	0.600	22.000	21.452	0.548	10.0	225	4.86	140.2
25.007	20	24	38.809	0.600	20.477	20.399	0.078	497.6	1200	6.05	131.1
29.000	CS02	VC02	5.001	0.600	21.450	21.400	0.050	100.0	300	4.10	140.2
30.000	238	VC02	5.969	0.600	23.800	21.550	2.250	2.7	150	4.18	140.2
29.001	VC02	22	11.466	0.600	21.400	21.336	0.064	179.2	300	4.34	140.2
29.002	22	24	18.243	0.600	20.436	20.399	0.037	493.1	1200	4.56	140.2
25.008	24	26	18.292	0.600	20.399	20.362	0.037	494.4	1200	6.35	128.7
25.009	26	CC28	13.286	0.600	20.362	20.335	0.027	492.1	1200	6.57	126.9
25.010	CC28	30	16.167	0.600	20.335	20.050	0.285	56.7	300	6.84	124.8

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)
26.001	1.531	27.1	12.7	0.950	0.800	0.025	0.0
27.000	1.786	31.6	7.6	0.450	0.850	0.015	0.0
26.002	1.788	31.6	26.3	0.850	0.875	0.052	0.0
28.000	1.125	8.8	5.1	0.550	0.875	0.010	0.0
26.003	4.154	165.2	31.4	0.875	1.178	0.062	0.0
25.007	1.670	1888.8	124.1	1.178	2.398	0.262	0.0
29.000	1.572	111.1	0.0	3.250	3.300	0.000	0.0
30.000	6.234	110.2	2.5	1.300	3.300	0.005	0.0
29.001	1.171	82.8	12.2	3.300	2.921	0.024	0.0
29.002	1.678	1897.4	24.8	2.921	2.398	0.049	0.0
25.008	1.675	1894.9	153.5	2.398	1.888	0.330	0.0
25.009	1.679	1899.3	151.3	1.888	1.465	0.330	0.0
25.010	2.091	147.8	148.8	2.365	2.150	0.330	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)
31.000	240	242	10.800	0.600	23.400	23.200	0.200	54.0	100	4.19	140.2
31.001	242	244	14.500	0.600	23.150	22.900	0.250	58.0	150	4.44	140.2
31.002	244	246	9.800	0.600	22.900	22.700	0.200	49.0	150	4.61	140.2
31.003	246	248	6.500	0.600	22.700	22.500	0.200	32.5	150	4.73	140.2
31.004	248	252	14.900	0.600	22.500	21.300	1.200	12.4	150	4.91	140.2
32.000	250	252	20.700	0.600	22.450	21.350	1.100	18.8	100	4.34	140.2
31.005	252	30	4.900	0.600	21.300	20.200	1.100	4.5	150	5.00	140.2
25.011	30	32	8.500	0.600	20.050	19.900	0.150	56.7	300	6.99	123.6
25.012	32	34	16.100	0.600	19.900	19.650	0.250	64.4	300	7.27	121.6
33.000	254	258	16.950	0.600	21.500	21.050	0.450	37.7	150	4.14	140.2
34.000	256	258	15.400	0.600	21.400	21.050	0.350	44.0	150	4.27	140.2
33.001	258	262	20.800	0.600	21.050	20.275	0.775	26.8	150	4.57	140.2
35.000	260	262	15.950	0.600	20.800	20.275	0.525	30.4	150	4.27	140.2

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)
31.000	1.050	8.3	5.1	1.000	1.300	0.010	0.0
31.001	1.323	23.4	13.7	1.300	1.200	0.027	0.0
31.002	1.441	25.5	14.7	1.200	1.400	0.029	0.0
31.003	1.772	31.3	15.7	1.400	0.850	0.031	0.0
31.004	2.874	50.8	20.8	0.850	1.350	0.041	0.0
32.000	1.788	14.0	6.6	0.650	1.350	0.013	0.0
31.005	4.808	85.0	32.4	1.350	2.150	0.064	0.0
25.011	2.092	147.9	180.5	2.150	2.100	0.404	0.0
25.012	1.962	138.7	177.5	2.100	1.900	0.404	0.0
33.000	1.645	29.1	14.7	0.900	1.150	0.029	0.0
34.000	1.521	26.9	4.6	0.650	1.150	0.009	0.0
33.001	1.951	34.5	28.9	1.150	1.425	0.057	0.0
35.000	1.833	32.4	9.1	0.750	1.425	0.018	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)
33.002	262	34	4.000	0.600	20.200	19.800	0.400	10.0	225	4.65	140.2
25.013	34	36	13.998	0.600	19.650	19.500	0.150	93.3	300	7.50	120.0
36.000	264	266	12.300	0.600	21.650	20.350	1.300	9.5	100	4.17	140.2
36.001	266	36	3.100	0.600	20.300	19.650	0.650	4.8	150	4.23	140.2
1.007	36	BASIN	12.263	0.600	19.500	19.400	0.100	122.6	300	8.34	114.4
1.008	BASIN	CC38	5.666	0.600	18.700	18.650	0.050	113.3	450	9.13	109.5
1.009	CC38	40	17.867	0.600	18.650	18.300	0.350	51.0	150	9.43	107.9
37.000	268	270	18.100	0.600	22.700	22.150	0.550	32.9	100	4.23	140.2
37.001	270	274	10.950	0.600	22.100	21.900	0.200	54.8	150	4.39	140.2
38.000	272	274	14.550	0.600	22.400	21.950	0.450	32.3	100	4.28	140.2
37.002	274	278	12.100	0.600	21.900	21.700	0.200	60.5	150	4.55	140.2
39.000	276	278	17.750	0.600	22.200	21.750	0.450	39.4	100	4.69	140.2
37.003	278	280	5.050	0.600	21.700	21.350	0.350	14.4	150	4.76	140.2

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)
33.002	4.161	165.5	44.1	1.425	1.825	0.087	0.0
25.013	1.628	115.1	216.0	1.900	2.250	0.498	0.0
36.000	2.527	19.8	4.6	0.700	1.750	0.009	0.0
36.001	4.646	82.1	13.2	1.750	2.250	0.026	0.0
1.007	1.418	100.3	515.6	2.250	0.400	1.247	0.0
1.008	1.909	303.6	539.0	0.950	1.500	1.362	0.0
1.009	1.411	24.9	618.9	1.800	1.050	1.587	0.0
37.000	1.349	10.6	6.1	0.700	0.650	0.012	0.0
37.001	1.362	24.1	7.1	0.650	0.650	0.014	0.0
38.000	1.361	10.7	5.6	0.600	0.650	0.011	0.0
37.002	1.295	22.9	15.2	0.650	0.650	0.030	0.0
39.000	1.231	9.7	5.6	0.600	0.650	0.011	0.0
37.003	2.665	47.1	21.8	0.650	1.000	0.043	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)
37.004	280	282	4.300	0.600	21.350	21.050	0.300	14.3	150	4.82	140.2
37.005	282	284	9.700	0.600	21.050	20.425	0.625	15.5	150	4.93	140.2
37.006	284	286	17.950	0.600	20.350	19.600	0.750	23.9	225	5.21	138.4
37.007	286	288	10.700	0.600	19.600	19.345	0.255	42.0	225	5.40	136.7
37.008	288	290	15.350	0.600	19.270	19.170	0.100	153.5	300	5.66	134.4
37.009	290	296	2.750	0.600	19.170	19.150	0.020	137.5	300	5.69	134.2
40.000	292	294	5.800	0.600	19.400	19.350	0.050	116.0	225	4.10	140.2
40.001	294	296	13.600	0.600	19.350	19.225	0.125	108.8	225	4.34	140.2
37.010	296	304	19.500	0.600	19.150	18.950	0.200	97.5	300	6.02	131.3
41.000	298	300	9.950	0.600	20.550	20.200	0.350	28.4	100	4.14	140.2
41.001	300	302	14.450	0.600	20.200	19.850	0.350	41.3	100	4.33	140.2
41.002	302	304	15.300	0.600	19.800	19.100	0.700	21.9	150	4.47	140.2
37.011	304	306	15.800	0.600	18.950	18.850	0.100	158.0	300	6.29	129.2

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)
37.004	2.674	47.3	23.8	1.000	0.750	0.047	0.0
37.005	2.570	45.4	27.9	0.750	0.825	0.055	0.0
37.006	2.685	106.8	46.0	0.825	1.275	0.092	0.0
37.007	2.025	80.5	53.4	1.275	1.330	0.108	0.0
37.008	1.266	89.5	63.1	1.330	1.230	0.130	0.0
37.009	1.339	94.6	69.8	1.230	1.200	0.144	0.0
40.000	1.213	48.2	6.6	0.825	0.925	0.013	0.0
40.001	1.253	49.8	16.2	0.925	1.200	0.032	0.0
37.010	1.592	112.5	85.9	1.200	1.350	0.181	0.0
41.000	1.453	11.4	6.1	0.650	1.000	0.012	0.0
41.001	1.203	9.4	9.1	1.000	0.850	0.018	0.0
41.002	2.163	38.2	14.2	0.850	1.350	0.028	0.0
37.011	1.248	88.2	101.8	1.350	1.250	0.218	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)
37.012	306	CC38	9.600	0.600	18.850	18.800	0.050	192.0	300	6.64	140.2
1.010	40	42	17.867	0.600	18.300	18.000	0.300	59.6	150	9.87	132.6
1.011	42	44	16.134	0.600	18.000	16.450	1.550	10.4	150	10.14	130.4
1.012	44	46	76.426	0.600	16.450	14.950	1.500	51.0	150	11.41	120.6
1.013	46	48	70.814	0.600	14.950	12.400	2.550	27.8	150	12.60	112.7
1.014	48	50	99.705	0.600	12.400	11.549	0.851	117.2	150	14.26	103.5

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)
37.012	1.131	79.9	114.0	1.250	1.500	0.225	0.0
1.010	1.305	23.1	760.5	1.050	1.650	1.587	0.0
1.011	3.141	55.5	747.9	1.650	1.625	1.587	0.0
1.012	1.412	25.0	691.7	1.625	1.562	1.587	0.0
1.013	1.918	33.9	646.4	1.562	2.845	1.587	0.0
1.014	0.927	16.4	593.6	2.845	1.783	1.587	0.0

Simulation Settings

Rainfall Methodology	FEH-13	Analysis Speed	Detailed	Additional Storage (m³/ha)	0.0
Summer CV	1.000	Skip Steady State	✓	Check Discharge Rate(s)	x
Winter CV	1.000	Drain Down Time (mins)	1440	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 %)	Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
2	0	0	0	100	40	0	0
30	0	0	0				

Node CC12 Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	✓	Sump Available	✓
Invert Level (m)	20.918	Product Number	CTL-SHE-0084-4200-1950-4200
Design Depth (m)	1.950	Min Outlet Diameter (m)	0.100
Design Flow (l/s)	4.2	Min Node Diameter (mm)	1200

Node CC28 Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	✓	Sump Available	✓
Invert Level (m)	20.335	Product Number	CTL-SHE-0112-7200-1920-7200
Design Depth (m)	1.920	Min Outlet Diameter (m)	0.150
Design Flow (l/s)	7.2	Min Node Diameter (mm)	1200

Node CC38 Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	✓	Sump Available	✓
Invert Level (m)	18.650	Product Number	CTL-SHE-0138-9200-1150-9200
Design Depth (m)	1.150	Min Outlet Diameter (m)	0.150
Design Flow (l/s)	9.2	Min Node Diameter (mm)	1200

Node BASIN Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	18.700
Side Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Time to half empty (mins)	1320

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	434.7	0.0	1.400	1176.5	0.0

Node CS01 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	21.100
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	240.0	0.0	0.800	240.0	0.0	0.801	0.0	0.0

Node CS02 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	21.450
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	82

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	54.0	0.0	0.800	54.0	0.0	0.801	0.0	0.0

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	02	10	22.403	0.051	4.3	0.0575	0.0000	OK
15 minute summer	102	10	24.550	0.050	3.9	0.0109	0.0000	OK
15 minute summer	104	10	24.297	0.047	5.6	0.0102	0.0000	OK
15 minute summer	106	10	24.058	0.058	9.5	0.0124	0.0000	OK
15 minute summer	108	10	23.458	0.058	12.7	0.0125	0.0000	OK
15 minute summer	110	10	23.518	0.018	0.9	0.0039	0.0000	OK
15 minute summer	112	10	23.149	0.049	15.7	0.0553	0.0000	OK
15 minute summer	114	10	22.890	0.040	2.4	0.0087	0.0000	OK
15 minute summer	116	10	22.758	0.058	4.3	0.0126	0.0000	OK
15 minute summer	118	10	22.555	0.055	4.7	0.0119	0.0000	OK
60 minute summer	04	38	21.326	0.237	20.7	1.0708	0.0000	OK
60 minute summer	06	38	21.325	0.275	18.1	1.2463	0.0000	OK
15 minute summer	120	10	23.484	0.034	1.9	0.0074	0.0000	OK
15 minute summer	122	10	23.358	0.058	4.3	0.0126	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	02	1.000	04	4.3	0.561	0.060	0.1140	
15 minute summer	102	2.000	104	3.9	1.016	0.468	0.0407	
15 minute summer	104	2.001	106	5.6	1.019	0.213	0.0630	
15 minute summer	106	2.002	108	9.5	1.565	0.290	0.0952	
15 minute summer	108	2.003	112	12.7	1.693	0.119	0.0405	
15 minute summer	110	3.000	112	0.9	0.982	0.064	0.0034	
15 minute summer	112	2.004	04	15.7	2.175	0.053	0.0835	
15 minute summer	114	4.000	116	2.4	0.632	0.338	0.0418	
15 minute summer	116	4.001	118	4.3	0.929	0.593	0.0487	
15 minute summer	118	4.002	04	4.6	0.833	0.251	0.0312	
60 minute summer	04	1.001	06	15.4	0.374	0.005	3.8686	
60 minute summer	06	1.002	08	16.1	0.265	0.005	8.7968	
15 minute summer	120	5.000	122	1.9	0.540	0.250	0.0337	
15 minute summer	122	5.001	124	4.3	0.946	0.571	0.0295	

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	124	10	23.184	0.034	6.2	0.0074	0.0000	OK
240 minute winter	CS01	232	21.310	0.210	17.4	47.8380	0.0000	OK
15 minute summer	126	10	22.020	0.020	2.6	0.0043	0.0000	OK
30 minute summer	VC01	23	21.312	0.262	37.5	0.2967	0.0000	OK
60 minute summer	08	38	21.325	0.343	38.5	1.5503	0.0000	OK
15 minute summer	128	10	23.838	0.038	2.8	0.0082	0.0000	OK
15 minute summer	130	10	23.552	0.052	3.9	0.0111	0.0000	OK
15 minute summer	130A	10	23.326	0.026	3.9	0.0055	0.0000	OK
15 minute summer	132	10	25.077	0.027	1.9	0.0059	0.0000	OK
15 minute summer	134	10	24.642	0.042	4.3	0.0091	0.0000	OK
15 minute summer	136	10	24.474	0.024	1.1	0.0051	0.0000	OK
15 minute summer	138	10	24.176	0.076	9.7	0.0165	0.0000	OK
15 minute summer	140	10	23.894	0.044	12.1	0.0096	0.0000	OK
15 minute summer	142	10	27.121	0.021	1.1	0.0046	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	124	5.002	08	6.2	2.098	0.105	0.0224	
240 minute winter	CS01	6.000	VC01	-17.4	-0.874	-0.156	0.2937	
15 minute summer	126	7.000	VC01	2.6	1.947	0.034	0.0251	
30 minute summer	VC01	6.001	08	-37.2	-0.566	-0.451	0.8332	
60 minute summer	08	1.003	CC12	-20.0	0.238	-0.006	10.9660	
15 minute summer	128	8.000	130	2.8	1.059	0.283	0.0248	
15 minute summer	130	8.001	130A	3.9	0.990	0.479	0.0329	
15 minute summer	130A	8.002	CC12	3.9	2.005	0.059	0.0147	
15 minute summer	132	9.000	134	1.9	0.787	0.161	0.0290	
15 minute summer	134	9.001	138	4.3	1.397	0.347	0.0335	
15 minute summer	136	10.000	138	1.1	0.735	0.124	0.0216	
15 minute summer	138	9.002	140	9.7	1.458	0.433	0.1058	
15 minute summer	140	9.003	CC12	12.1	2.854	0.175	0.0453	
15 minute summer	142	11.000	146	1.1	0.611	0.099	0.0301	

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	144	10	26.975	0.025	1.3	0.0055	0.0000	OK
15 minute summer	146	10	26.585	0.035	6.3	0.0075	0.0000	OK
15 minute summer	148	10	25.642	0.042	2.8	0.0092	0.0000	OK
15 minute summer	150	10	26.134	0.034	5.4	0.0074	0.0000	OK
15 minute summer	152	10	25.343	0.043	8.2	0.0092	0.0000	OK
15 minute summer	154	10	25.060	0.060	15.8	0.0129	0.0000	OK
15 minute summer	156	10	24.631	0.031	1.5	0.0068	0.0000	OK
15 minute summer	158	10	24.449	0.049	3.2	0.0106	0.0000	OK
15 minute summer	160	10	24.823	0.023	1.7	0.0049	0.0000	OK
15 minute summer	162	10	24.308	0.058	7.3	0.0125	0.0000	OK
15 minute summer	164	10	24.012	0.112	27.5	0.0241	0.0000	OK
15 minute summer	166	10	23.703	0.103	28.8	0.0222	0.0000	OK
15 minute summer	168	10	23.503	0.103	30.4	0.0223	0.0000	OK
15 minute summer	170	10	23.301	0.101	30.9	0.0219	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	144	12.000	146	1.3	0.656	0.139	0.0338	
15 minute summer	146	11.001	154	6.3	2.673	0.239	0.0191	
15 minute summer	148	13.000	152	2.8	0.898	0.358	0.0468	
15 minute summer	150	14.000	152	5.4	1.529	0.114	0.0411	
15 minute summer	152	13.001	154	8.2	1.543	0.163	0.0203	
15 minute summer	154	11.002	164	15.8	2.495	0.303	0.0768	
15 minute summer	156	15.000	158	1.5	0.509	0.212	0.0434	
15 minute summer	158	15.001	162	3.2	0.862	0.436	0.0256	
15 minute summer	160	16.000	162	1.7	1.301	0.106	0.0095	
15 minute summer	162	15.002	164	7.2	1.195	0.290	0.0848	
15 minute summer	164	11.003	166	27.5	1.466	0.438	0.2903	
15 minute summer	166	11.004	168	28.7	1.342	0.225	0.3242	
15 minute summer	168	11.005	170	30.3	1.429	0.223	0.2844	
15 minute summer	170	11.006	178	30.7	1.875	0.196	0.1671	

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	172	10	24.280	0.030	1.5	0.0064	0.0000	OK
15 minute summer	174	10	24.070	0.070	5.4	0.0151	0.0000	OK
15 minute summer	176	10	23.943	0.043	6.7	0.0092	0.0000	OK
15 minute summer	178	10	23.069	0.069	37.4	0.0148	0.0000	OK
60 minute summer	10	39	21.326	0.326	28.9	1.4764	0.0000	OK
60 minute summer	CC12	38	21.326	0.408	28.2	2.8852	0.0000	SURCHARGED
15 minute summer	180	10	24.093	0.043	2.8	0.0093	0.0000	OK
15 minute summer	182	10	23.901	0.051	3.7	0.0109	0.0000	OK
15 minute summer	184	10	24.136	0.036	3.0	0.0079	0.0000	OK
15 minute summer	186	10	23.617	0.067	7.1	0.0144	0.0000	OK
15 minute summer	188	10	23.532	0.032	7.2	0.0069	0.0000	OK
15 minute summer	190	10	23.973	0.023	0.9	0.0051	0.0000	OK
15 minute summer	192	10	23.866	0.016	1.3	0.0034	0.0000	OK
15 minute summer	194	10	21.336	0.036	8.5	0.0078	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	172	17.000	174	1.5	0.384	0.192	0.0589	
15 minute summer	174	17.001	176	5.4	0.994	0.681	0.0159	
15 minute summer	176	17.002	178	6.7	1.654	0.166	0.0596	
15 minute summer	178	11.007	10	37.2	3.331	0.092	0.0683	
60 minute summer	10	11.008	CC12	18.4	0.264	0.005	13.3706	
60 minute summer	CC12	Hydro-Brake®	14	3.4				
15 minute summer	180	19.000	182	2.8	0.792	0.378	0.0477	
15 minute summer	182	19.001	186	3.7	0.939	0.483	0.0623	
15 minute summer	184	20.000	186	3.0	1.184	0.270	0.0379	
15 minute summer	186	19.002	188	7.0	1.396	0.311	0.0160	
15 minute summer	188	19.003	194	7.2	2.405	0.099	0.0401	
15 minute summer	190	21.000	192	0.9	0.835	0.102	0.0051	
15 minute summer	192	21.001	194	1.3	1.671	0.052	0.0115	
15 minute summer	194	19.004	14	8.5	2.785	0.104	0.0096	

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	14	10	20.557	0.057	11.8	0.0820	0.0000	OK
15 minute summer	196	10	22.399	0.049	4.3	0.0105	0.0000	OK
15 minute summer	198	10	22.111	0.061	6.4	0.0131	0.0000	OK
15 minute summer	200	10	22.231	0.031	2.6	0.0068	0.0000	OK
15 minute summer	202	10	21.921	0.071	9.3	0.0153	0.0000	OK
15 minute summer	204	10	21.687	0.087	13.9	0.0187	0.0000	OK
15 minute summer	206	11	21.254	0.054	13.7	0.0116	0.0000	OK
15 minute summer	208	10	22.282	0.032	1.7	0.0068	0.0000	OK
15 minute summer	210	10	22.033	0.033	4.7	0.0072	0.0000	OK
15 minute summer	212	10	20.833	0.033	7.3	0.0072	0.0000	OK
15 minute summer	16	11	20.104	0.104	36.6	0.1176	0.0000	OK
15 minute summer	214	10	25.409	0.059	9.9	0.0128	0.0000	OK
15 minute summer	216	10	24.861	0.061	15.1	0.0131	0.0000	OK
15 minute summer	218	10	24.519	0.069	20.0	0.0149	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	14	1.005	16	11.7	0.835	0.081	0.4612	
15 minute summer	196	22.000	198	4.3	0.739	0.230	0.1579	
15 minute summer	198	22.001	202	6.3	0.855	0.335	0.1307	
15 minute summer	200	23.000	202	2.6	1.280	0.194	0.0126	
15 minute summer	202	22.002	204	9.2	1.179	0.403	0.0830	
15 minute summer	204	22.003	206	13.7	1.311	0.272	0.4487	
15 minute summer	206	22.004	16	13.6	1.913	0.120	0.1687	
15 minute summer	208	24.000	210	1.7	0.777	0.211	0.0311	
15 minute summer	210	24.001	212	4.7	2.129	0.220	0.0207	
15 minute summer	212	24.002	16	7.3	2.668	0.090	0.0088	
15 minute summer	16	1.006	36	35.9	0.895	0.263	1.3348	
15 minute summer	214	25.000	216	9.9	1.167	0.150	0.2902	
15 minute summer	216	25.001	218	15.1	1.596	0.148	0.0862	
15 minute summer	218	25.002	220	20.0	1.990	0.189	0.1720	

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	220	10	23.816	0.066	22.6	0.0144	0.0000	OK
15 minute summer	222	10	22.558	0.058	25.0	0.0126	0.0000	OK
15 minute summer	224	10	21.789	0.089	29.5	0.0193	0.0000	OK
120 minute summer	18	84	20.733	0.233	15.2	0.8071	0.0000	OK
15 minute summer	226	10	23.730	0.030	2.8	0.0064	0.0000	OK
15 minute summer	228	10	23.296	0.046	5.4	0.0100	0.0000	OK
15 minute summer	230	10	23.032	0.032	3.2	0.0070	0.0000	OK
15 minute summer	232	10	22.764	0.064	11.2	0.0138	0.0000	OK
15 minute summer	234	10	22.334	0.034	2.1	0.0074	0.0000	OK
15 minute summer	236	10	22.047	0.047	13.3	0.0101	0.0000	OK
120 minute summer	20	84	20.733	0.256	23.7	0.8868	0.0000	OK
15 minute summer	238	10	23.811	0.011	1.1	0.0024	0.0000	OK
15 minute summer	CS02	11	21.450	0.000	0.2	0.0162	0.0000	OK
15 minute summer	VC02	10	21.452	0.052	5.2	0.0585	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	220	25.003	222	22.6	2.372	0.177	0.1886	
15 minute summer	222	25.004	224	25.0	1.861	0.084	0.1526	
15 minute summer	224	25.005	18	29.4	1.776	0.166	0.1970	
120 minute summer	18	25.006	20	13.5	0.366	0.007	1.8439	
15 minute summer	226	26.000	228	2.8	1.493	0.173	0.0107	
15 minute summer	228	26.001	232	5.4	1.182	0.199	0.0990	
15 minute summer	230	27.000	232	3.2	0.677	0.101	0.0476	
15 minute summer	232	26.002	236	11.2	1.601	0.353	0.1391	
15 minute summer	234	28.000	236	2.1	0.901	0.238	0.0192	
15 minute summer	236	26.003	20	13.2	2.366	0.080	0.0308	
120 minute summer	20	25.007	24	18.2	0.338	0.010	8.3715	
15 minute summer	238	30.000	VC02	1.1	1.990	0.010	0.0033	
15 minute summer	CS02	29.000	VC02	-0.2	-0.061	-0.002	0.0202	
15 minute summer	VC02	29.001	22	5.0	0.640	0.061	0.0900	

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	22	84	20.733	0.297	4.8	1.0293	0.0000	OK
120 minute summer	24	84	20.733	0.334	22.1	1.5113	0.0000	OK
120 minute summer	26	84	20.733	0.371	13.3	1.2850	0.0000	OK
120 minute summer	CC28	84	20.733	0.398	9.1	2.2786	0.0000	SURCHARGED
15 minute summer	240	10	23.435	0.035	2.1	0.0077	0.0000	OK
15 minute summer	242	10	23.202	0.052	5.7	0.0112	0.0000	OK
15 minute summer	244	10	22.953	0.053	6.1	0.0113	0.0000	OK
15 minute summer	246	10	22.750	0.050	6.5	0.0109	0.0000	OK
15 minute summer	248	10	22.543	0.043	8.6	0.0092	0.0000	OK
15 minute summer	250	10	22.481	0.031	2.8	0.0067	0.0000	OK
15 minute summer	252	10	21.344	0.044	13.5	0.0095	0.0000	OK
15 minute summer	30	10	20.134	0.084	21.6	0.0955	0.0000	OK
15 minute summer	32	10	19.981	0.081	21.6	0.0910	0.0000	OK
15 minute summer	254	10	21.547	0.047	6.2	0.0102	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)
120 minute summer	22	29.002	24	2.0	0.141	0.001	4.3127	
120 minute summer	24	25.008	26	13.3	0.317	0.007	5.0474	
120 minute summer	26	25.009	CC28	9.1	0.414	0.005	4.1335	
120 minute summer	CC28	Hydro-Brake®	30	6.6				
15 minute summer	240	31.000	242	2.1	0.862	0.254	0.0263	
15 minute summer	242	31.001	244	5.7	1.045	0.244	0.0790	
15 minute summer	244	31.002	246	6.1	1.141	0.239	0.0523	
15 minute summer	246	31.003	248	6.5	1.398	0.207	0.0302	
15 minute summer	248	31.004	252	8.6	2.037	0.169	0.0627	
15 minute summer	250	32.000	252	2.8	1.380	0.199	0.0420	
15 minute summer	252	31.005	30	13.4	3.320	0.158	0.0199	
15 minute summer	30	25.011	32	21.6	1.373	0.146	0.1335	
15 minute summer	32	25.012	34	21.4	1.003	0.155	0.3660	
15 minute summer	254	33.000	258	6.2	1.064	0.213	0.1004	

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	256	10	21.427	0.027	1.9	0.0058	0.0000	OK
15 minute summer	258	10	21.114	0.064	12.2	0.0138	0.0000	OK
15 minute summer	260	10	20.836	0.036	3.9	0.0078	0.0000	OK
15 minute summer	262	10	20.258	0.058	18.7	0.0126	0.0000	OK
15 minute summer	34	10	19.783	0.133	41.6	0.1910	0.0000	OK
15 minute summer	264	10	21.671	0.021	1.9	0.0046	0.0000	OK
15 minute summer	266	10	20.326	0.026	5.5	0.0057	0.0000	OK
15 minute summer	36	11	19.733	0.233	82.6	0.3338	0.0000	OK
360 minute summer	BASIN	344	19.044	0.344	33.4	180.8735	0.0000	OK
15 minute summer	268	10	22.734	0.034	2.6	0.0074	0.0000	OK
15 minute summer	270	10	22.136	0.036	3.0	0.0077	0.0000	OK
15 minute summer	272	10	22.433	0.033	2.4	0.0071	0.0000	OK
15 minute summer	274	10	21.958	0.058	6.5	0.0125	0.0000	OK
15 minute summer	276	10	22.235	0.035	2.4	0.0075	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	256	34.000	258	1.9	0.427	0.071	0.0714	
15 minute summer	258	33.001	262	12.2	1.748	0.353	0.1448	
15 minute summer	260	35.000	262	3.9	1.222	0.120	0.0509	
15 minute summer	262	33.002	34	18.7	2.523	0.113	0.0296	
15 minute summer	34	25.013	36	41.4	0.950	0.360	0.6136	
15 minute summer	264	36.000	266	1.9	1.577	0.096	0.0148	
15 minute summer	266	36.001	36	5.5	2.348	0.067	0.0184	
15 minute summer	36	1.007	BASIN	82.4	1.498	0.822	0.6728	
360 minute summer	BASIN	1.008	CC38	16.0	0.486	0.053	0.7852	
15 minute summer	268	37.000	270	2.6	1.102	0.245	0.0426	
15 minute summer	270	37.001	274	3.0	0.637	0.124	0.0519	
15 minute summer	272	38.000	274	2.4	1.082	0.224	0.0322	
15 minute summer	274	37.002	278	6.5	1.159	0.282	0.0676	
15 minute summer	276	39.000	278	2.4	1.009	0.248	0.0421	

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	278	10	21.748	0.048	9.3	0.0104	0.0000	OK
15 minute summer	280	10	21.401	0.051	10.1	0.0111	0.0000	OK
15 minute summer	282	10	21.105	0.055	11.8	0.0120	0.0000	OK
15 minute summer	284	10	20.415	0.065	19.7	0.0141	0.0000	OK
15 minute summer	286	10	19.689	0.089	23.0	0.0192	0.0000	OK
15 minute summer	288	10	19.394	0.124	27.6	0.0269	0.0000	OK
15 minute summer	290	10	19.313	0.143	30.4	0.0310	0.0000	OK
15 minute summer	292	10	19.437	0.037	2.8	0.0079	0.0000	OK
15 minute summer	294	10	19.409	0.059	6.9	0.0127	0.0000	OK
15 minute summer	296	10	19.280	0.130	38.2	0.0280	0.0000	OK
15 minute summer	298	10	20.583	0.033	2.6	0.0070	0.0000	OK
15 minute summer	300	10	20.246	0.046	3.9	0.0100	0.0000	OK
15 minute summer	302	10	19.841	0.041	6.0	0.0089	0.0000	OK
15 minute summer	304	10	19.120	0.170	45.7	0.0368	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	278	37.003	280	9.2	1.812	0.196	0.0258	
15 minute summer	280	37.004	282	10.1	1.805	0.214	0.0241	
15 minute summer	282	37.005	284	11.8	2.077	0.259	0.0550	
15 minute summer	284	37.006	286	19.6	1.634	0.184	0.2164	
15 minute summer	286	37.007	288	22.9	1.658	0.284	0.1477	
15 minute summer	288	37.008	290	27.4	0.902	0.306	0.4668	
15 minute summer	290	37.009	296	30.2	0.971	0.319	0.0858	
15 minute summer	292	40.000	294	2.8	0.460	0.058	0.0359	
15 minute summer	294	40.001	296	6.9	0.865	0.138	0.1084	
15 minute summer	296	37.010	304	37.9	1.075	0.337	0.6870	
15 minute summer	298	41.000	300	2.6	0.921	0.228	0.0286	
15 minute summer	300	41.001	302	3.9	1.123	0.411	0.0500	
15 minute summer	302	41.002	304	6.0	1.548	0.156	0.0590	
15 minute summer	304	37.011	306	45.2	1.054	0.512	0.6789	

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	306	344	19.044	0.194	10.6	0.0419	0.0000	OK
360 minute summer	CC38	344	19.044	0.394	16.0	2.2554	0.0000	SURCHARGED
360 minute summer	40	464	18.373	0.073	9.2	0.0828	0.0000	OK
360 minute summer	42	464	18.041	0.041	9.2	0.0468	0.0000	OK
180 minute summer	44	160	16.516	0.066	9.2	0.0743	0.0000	OK
180 minute winter	46	260	15.003	0.053	9.2	0.0604	0.0000	OK
240 minute winter	48	340	12.481	0.081	9.2	0.0915	0.0000	OK
180 minute summer	50	264	11.629	0.080	9.2	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)
360 minute summer	306	37.012	CC38	10.5	0.736	0.132	0.5256	
360 minute summer	CC38	Hydro-Brake®	40	9.2				
360 minute summer	40	1.010	42	9.2	1.489	0.399	0.1115	
360 minute summer	42	1.011	44	9.2	1.632	0.166	0.0916	
180 minute summer	44	1.012	46	9.2	1.413	0.369	0.4981	
180 minute winter	46	1.013	48	9.2	1.206	0.271	0.5417	
240 minute winter	48	1.014	50	9.2	0.956	0.561	0.9591	373.1

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	02	10	22.434	0.082	10.9	0.0929	0.0000	OK
15 minute summer	102	10	24.680	0.180	9.8	0.0389	0.0000	SURCHARGED
15 minute summer	104	10	24.329	0.079	13.5	0.0171	0.0000	OK
15 minute summer	106	10	24.100	0.100	23.2	0.0216	0.0000	OK
15 minute summer	108	10	23.497	0.097	31.1	0.0211	0.0000	OK
15 minute summer	110	10	23.528	0.028	2.2	0.0062	0.0000	OK
15 minute summer	112	10	23.179	0.079	38.7	0.0890	0.0000	OK
15 minute summer	114	11	23.032	0.182	6.0	0.0392	0.0000	SURCHARGED
15 minute summer	116	11	22.936	0.236	9.8	0.0510	0.0000	SURCHARGED
15 minute summer	118	11	22.588	0.088	10.2	0.0191	0.0000	OK
360 minute winter	04	352	21.651	0.562	9.7	2.5437	0.0000	OK
360 minute winter	06	352	21.651	0.601	9.8	2.7201	0.0000	OK
15 minute summer	120	11	23.567	0.117	4.9	0.0254	0.0000	SURCHARGED
15 minute summer	122	11	23.505	0.205	10.2	0.0443	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	02	1.000	04	10.9	0.723	0.152	0.2253	
15 minute summer	102	2.000	104	9.2	1.178	1.101	0.0816	
15 minute summer	104	2.001	106	13.4	1.229	0.508	0.1258	
15 minute summer	106	2.002	108	23.0	1.921	0.705	0.1881	
15 minute summer	108	2.003	112	31.1	2.094	0.291	0.0802	
15 minute summer	110	3.000	112	2.2	1.253	0.155	0.0065	
15 minute summer	112	2.004	04	38.6	2.771	0.131	0.1616	
15 minute summer	114	4.000	116	5.1	0.735	0.721	0.0853	
15 minute summer	116	4.001	118	9.3	1.187	1.290	0.0817	
15 minute summer	118	4.002	04	10.2	1.010	0.552	0.0567	
360 minute winter	04	1.001	06	8.5	0.248	0.002	12.2376	
360 minute winter	06	1.002	08	6.9	0.223	0.002	23.8390	
15 minute summer	120	5.000	122	4.4	0.624	0.578	0.0743	
15 minute summer	122	5.001	124	9.7	1.236	1.288	0.0502	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	124	10	23.205	0.055	14.5	0.0118	0.0000	OK
360 minute winter	CS01	352	21.651	0.551	17.5	125.7027	0.0000	SURCHARGED
15 minute summer	126	10	22.030	0.030	6.5	0.0064	0.0000	OK
360 minute winter	VC01	352	21.651	0.601	17.6	0.6801	0.0000	SURCHARGED
360 minute winter	08	352	21.651	0.669	20.5	3.0278	0.0000	OK
15 minute summer	128	9	23.866	0.066	7.1	0.0143	0.0000	OK
15 minute summer	130	10	23.675	0.175	9.7	0.0378	0.0000	SURCHARGED
15 minute summer	130A	11	23.340	0.040	9.1	0.0086	0.0000	OK
15 minute summer	132	10	25.095	0.045	4.9	0.0097	0.0000	OK
15 minute summer	134	10	24.682	0.082	10.9	0.0176	0.0000	OK
15 minute summer	136	10	24.488	0.038	2.7	0.0082	0.0000	OK
15 minute summer	138	10	24.322	0.222	24.3	0.0480	0.0000	SURCHARGED
15 minute summer	140	10	23.923	0.073	28.9	0.0158	0.0000	OK
15 minute summer	142	10	27.134	0.034	2.7	0.0073	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	124	5.002	08	14.5	2.625	0.247	0.0420	
360 minute winter	CS01	6.000	VC01	-17.5	-0.505	-0.158	0.3522	
15 minute summer	126	7.000	VC01	6.5	2.360	0.086	0.0452	
360 minute winter	VC01	6.001	08	-16.9	0.274	-0.204	0.8645	
360 minute winter	08	1.003	CC12	-8.2	0.171	-0.002	25.6843	
15 minute summer	128	8.000	130	7.0	1.248	0.711	0.0619	
15 minute summer	130	8.001	130A	9.1	1.165	1.122	0.0643	
15 minute summer	130A	8.002	CC12	9.1	2.539	0.138	0.0272	
15 minute summer	132	9.000	134	4.9	0.999	0.414	0.0610	
15 minute summer	134	9.001	138	10.7	1.558	0.862	0.0799	
15 minute summer	136	10.000	138	2.7	0.742	0.304	0.0738	
15 minute summer	138	9.002	140	22.9	1.712	1.022	0.2063	
15 minute summer	140	9.003	CC12	28.7	3.551	0.417	0.0866	
15 minute summer	142	11.000	146	2.7	0.743	0.243	0.0602	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	144	10	26.991	0.041	3.3	0.0089	0.0000	OK
15 minute summer	146	10	26.611	0.061	15.8	0.0131	0.0000	OK
15 minute summer	148	10	25.679	0.079	7.1	0.0172	0.0000	OK
15 minute summer	150	10	26.155	0.055	13.6	0.0119	0.0000	OK
15 minute summer	152	10	25.376	0.076	20.7	0.0164	0.0000	OK
15 minute summer	154	10	25.105	0.105	39.8	0.0226	0.0000	OK
15 minute summer	156	10	24.652	0.052	3.8	0.0113	0.0000	OK
15 minute summer	158	10	24.524	0.124	8.1	0.0267	0.0000	SURCHARGED
15 minute summer	160	10	24.836	0.036	4.3	0.0077	0.0000	OK
15 minute summer	162	10	24.361	0.111	18.0	0.0240	0.0000	OK
15 minute summer	164	10	24.222	0.322	68.3	0.0696	0.0000	SURCHARGED
15 minute summer	166	10	23.779	0.179	70.7	0.0387	0.0000	OK
15 minute summer	168	10	23.580	0.180	74.8	0.0389	0.0000	OK
15 minute summer	170	10	23.371	0.171	75.8	0.0370	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	144	12.000	146	3.3	0.823	0.354	0.0681	
15 minute summer	146	11.001	154	15.8	3.334	0.600	0.0384	
15 minute summer	148	13.000	152	7.1	1.094	0.906	0.0973	
15 minute summer	150	14.000	152	13.6	1.858	0.288	0.0853	
15 minute summer	152	13.001	154	20.7	1.890	0.411	0.0420	
15 minute summer	154	11.002	164	39.7	2.759	0.763	0.1867	
15 minute summer	156	15.000	158	3.8	0.599	0.538	0.0879	
15 minute summer	158	15.001	162	7.7	0.997	1.055	0.0526	
15 minute summer	160	16.000	162	4.3	1.549	0.269	0.0271	
15 minute summer	162	15.002	164	17.3	1.304	0.694	0.2210	
15 minute summer	164	11.003	166	67.4	1.695	1.075	0.6051	
15 minute summer	166	11.004	168	70.5	1.605	0.551	0.6660	
15 minute summer	168	11.005	170	74.2	1.735	0.546	0.5742	
15 minute summer	170	11.006	178	75.1	2.264	0.479	0.3375	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	172	10	24.306	0.056	3.8	0.0122	0.0000	OK
15 minute summer	174	10	24.260	0.260	13.4	0.0562	0.0000	SURCHARGED
15 minute summer	176	10	23.970	0.070	16.3	0.0151	0.0000	OK
15 minute summer	178	10	23.116	0.116	91.2	0.0251	0.0000	OK
360 minute winter	10	352	21.651	0.651	13.5	2.9463	0.0000	OK
360 minute winter	CC12	352	21.651	0.733	15.8	5.1835	0.0000	SURCHARGED
15 minute summer	180	11	24.164	0.114	7.1	0.0247	0.0000	SURCHARGED
15 minute summer	182	11	23.998	0.148	9.0	0.0320	0.0000	SURCHARGED
15 minute summer	184	10	24.163	0.063	7.6	0.0137	0.0000	OK
15 minute summer	186	10	23.663	0.113	16.8	0.0245	0.0000	OK
15 minute summer	188	10	23.550	0.050	17.2	0.0107	0.0000	OK
15 minute summer	190	10	23.988	0.038	2.2	0.0081	0.0000	OK
15 minute summer	192	10	23.875	0.025	3.3	0.0054	0.0000	OK
15 minute summer	194	10	21.361	0.061	20.5	0.0131	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	172	17.000	174	3.6	0.550	0.468	0.0935	
15 minute summer	174	17.001	176	13.0	1.662	1.647	0.0228	
15 minute summer	176	17.002	178	16.2	2.087	0.404	0.1153	
15 minute summer	178	11.007	10	91.0	4.090	0.225	0.1359	
360 minute winter	10	11.008	CC12	11.1	0.160	0.003	31.7441	
360 minute winter	CC12	Hydro-Brake®	14	3.4				
15 minute summer	180	19.000	182	6.8	0.932	0.914	0.1041	
15 minute summer	182	19.001	186	8.1	1.039	1.072	0.1218	
15 minute summer	184	20.000	186	7.6	1.466	0.684	0.0781	
15 minute summer	186	19.002	188	16.7	1.712	0.740	0.0300	
15 minute summer	188	19.003	194	17.2	2.929	0.237	0.0786	
15 minute summer	190	21.000	192	2.2	1.053	0.249	0.0099	
15 minute summer	192	21.001	194	3.3	2.188	0.131	0.0223	
15 minute summer	194	19.004	14	20.5	3.421	0.251	0.0189	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	14	10	20.582	0.082	23.8	0.1168	0.0000	OK
15 minute summer	196	10	22.432	0.082	10.9	0.0177	0.0000	OK
15 minute summer	198	10	22.162	0.112	16.3	0.0242	0.0000	OK
15 minute summer	200	9	22.249	0.049	6.5	0.0107	0.0000	OK
15 minute summer	202	11	22.021	0.171	23.9	0.0370	0.0000	SURCHARGED
15 minute summer	204	10	21.748	0.148	34.3	0.0320	0.0000	OK
15 minute summer	206	10	21.284	0.084	34.1	0.0181	0.0000	OK
15 minute summer	208	10	22.303	0.053	4.3	0.0115	0.0000	OK
15 minute summer	210	10	22.057	0.057	11.9	0.0123	0.0000	OK
15 minute summer	212	9	20.856	0.056	18.4	0.0121	0.0000	OK
15 minute summer	16	11	20.374	0.374	87.7	0.4228	0.0000	SURCHARGED
15 minute summer	214	10	25.447	0.097	25.0	0.0210	0.0000	OK
15 minute summer	216	10	24.904	0.104	38.0	0.0224	0.0000	OK
15 minute summer	218	10	24.568	0.118	50.5	0.0254	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	14	1.005	16	23.7	0.840	0.164	1.2715	
15 minute summer	196	22.000	198	10.9	0.905	0.583	0.3246	
15 minute summer	198	22.001	202	16.3	1.002	0.862	0.2789	
15 minute summer	200	23.000	202	6.5	1.472	0.485	0.0362	
15 minute summer	202	22.002	204	22.5	1.390	0.984	0.1816	
15 minute summer	204	22.003	206	34.1	1.658	0.677	0.8723	
15 minute summer	206	22.004	16	34.0	2.213	0.298	0.6297	
15 minute summer	208	24.000	210	4.3	0.971	0.535	0.0629	
15 minute summer	210	24.001	212	11.9	2.681	0.557	0.0417	
15 minute summer	212	24.002	16	18.6	3.301	0.230	0.0352	
15 minute summer	16	1.006	36	78.7	1.163	0.576	2.3366	
15 minute summer	214	25.000	216	25.0	1.456	0.378	0.5872	
15 minute summer	216	25.001	218	38.0	1.955	0.371	0.1770	
15 minute summer	218	25.002	220	50.5	2.471	0.478	0.3497	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	220	10	23.863	0.113	57.0	0.0244	0.0000	OK
15 minute summer	222	10	22.594	0.094	63.1	0.0203	0.0000	OK
15 minute summer	224	10	21.854	0.154	74.5	0.0333	0.0000	OK
120 minute winter	18	118	21.225	0.725	23.2	2.5099	0.0000	OK
15 minute summer	226	10	23.751	0.051	7.1	0.0109	0.0000	OK
15 minute summer	228	10	23.328	0.078	13.6	0.0169	0.0000	OK
15 minute summer	230	10	23.052	0.052	8.1	0.0112	0.0000	OK
15 minute summer	232	10	22.820	0.120	28.2	0.0259	0.0000	OK
15 minute summer	234	10	22.361	0.061	5.4	0.0131	0.0000	OK
15 minute summer	236	10	22.079	0.079	33.5	0.0170	0.0000	OK
120 minute winter	20	118	21.225	0.748	35.6	2.5896	0.0000	OK
15 minute summer	238	10	23.817	0.017	2.7	0.0036	0.0000	OK
30 minute summer	CS02	21	21.454	0.004	0.7	0.2040	0.0000	OK
15 minute summer	VC02	10	21.482	0.082	13.0	0.0926	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	220	25.003	222	57.1	3.001	0.448	0.3766	
15 minute summer	222	25.004	224	63.1	2.290	0.212	0.3117	
15 minute summer	224	25.005	18	74.5	2.221	0.421	0.3993	
120 minute winter	18	25.006	20	20.3	0.337	0.011	8.1252	
15 minute summer	226	26.000	228	7.1	1.884	0.439	0.0215	
15 minute summer	228	26.001	232	13.6	1.501	0.502	0.1966	
15 minute summer	230	27.000	232	8.1	0.823	0.257	0.0983	
15 minute summer	232	26.002	236	28.1	1.942	0.891	0.2888	
15 minute summer	234	28.000	236	5.4	1.135	0.611	0.0393	
15 minute summer	236	26.003	20	33.5	2.971	0.203	0.0621	
120 minute winter	20	25.007	24	26.1	0.381	0.014	30.3711	
15 minute summer	238	30.000	VC02	2.7	2.606	0.025	0.0062	
30 minute summer	CS02	29.000	VC02	-0.7	-0.141	-0.007	0.0357	
15 minute summer	VC02	29.001	22	12.2	0.820	0.148	0.1712	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	22	118	21.225	0.789	7.2	2.7319	0.0000	OK
120 minute winter	24	118	21.225	0.826	31.9	3.7349	0.0000	OK
120 minute winter	26	118	21.225	0.863	17.5	2.9878	0.0000	OK
120 minute winter	CC28	118	21.225	0.890	10.9	5.0935	0.0000	SURCHARGED
15 minute summer	240	10	23.462	0.062	5.4	0.0135	0.0000	OK
15 minute summer	242	10	23.241	0.091	14.6	0.0196	0.0000	OK
15 minute summer	244	10	22.993	0.093	15.7	0.0201	0.0000	OK
15 minute summer	246	10	22.789	0.089	16.8	0.0193	0.0000	OK
15 minute summer	248	10	22.572	0.072	22.2	0.0155	0.0000	OK
15 minute summer	250	10	22.502	0.052	7.1	0.0112	0.0000	OK
15 minute summer	252	9	21.374	0.074	34.5	0.0161	0.0000	OK
15 minute summer	30	11	20.347	0.297	48.3	0.3361	0.0000	OK
15 minute summer	32	11	20.326	0.426	42.6	0.4823	0.0000	SURCHARGED
15 minute summer	254	10	21.579	0.079	15.8	0.0170	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)
120 minute winter	22	29.002	24	3.1	0.174	0.002	14.7072	
120 minute winter	24	25.008	26	17.5	0.413	0.009	15.4958	
120 minute winter	26	25.009	CC28	10.9	0.484	0.006	11.7138	
120 minute winter	CC28	Hydro-Brake®	30	6.7				
15 minute summer	240	31.000	242	5.4	1.085	0.654	0.0537	
15 minute summer	242	31.001	244	14.6	1.288	0.624	0.1643	
15 minute summer	244	31.002	246	15.7	1.400	0.616	0.1099	
15 minute summer	246	31.003	248	16.8	1.742	0.536	0.0626	
15 minute summer	248	31.004	252	22.0	2.701	0.432	0.1258	
15 minute summer	250	32.000	252	7.1	1.762	0.505	0.0834	
15 minute summer	252	31.005	30	36.2	4.061	0.427	0.0599	
15 minute summer	30	25.011	32	42.6	1.526	0.288	0.5982	
15 minute summer	32	25.012	34	42.9	0.985	0.309	1.1338	
15 minute summer	254	33.000	258	15.8	1.305	0.544	0.2079	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	256	10	21.443	0.043	4.9	0.0094	0.0000	OK
15 minute summer	258	10	21.170	0.120	31.0	0.0260	0.0000	OK
15 minute summer	260	10	20.859	0.059	9.8	0.0127	0.0000	OK
15 minute summer	262	11	20.340	0.140	47.2	0.0303	0.0000	OK
15 minute summer	34	11	20.295	0.645	88.2	0.9226	0.0000	SURCHARGED
15 minute summer	264	10	21.685	0.035	4.9	0.0075	0.0000	OK
15 minute summer	266	10	20.351	0.051	14.1	0.0110	0.0000	OK
15 minute summer	36	11	20.166	0.666	177.4	0.9523	0.0000	SURCHARGED
720 minute winter	BASIN	705	19.391	0.691	27.4	426.7286	0.0000	SURCHARGED
15 minute summer	268	10	22.759	0.059	6.5	0.0127	0.0000	OK
15 minute summer	270	10	22.158	0.058	7.6	0.0126	0.0000	OK
15 minute summer	272	10	22.456	0.056	6.0	0.0121	0.0000	OK
15 minute summer	274	10	22.002	0.102	16.3	0.0221	0.0000	OK
15 minute summer	276	10	22.259	0.059	6.0	0.0128	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	256	34.000	258	4.9	0.514	0.182	0.1492	
15 minute summer	258	33.001	262	30.9	2.121	0.896	0.3028	
15 minute summer	260	35.000	262	9.8	1.552	0.303	0.1016	
15 minute summer	262	33.002	34	46.1	2.865	0.278	0.1316	
15 minute summer	34	25.013	36	88.4	1.255	0.768	0.9857	
15 minute summer	264	36.000	266	4.9	2.052	0.247	0.0294	
15 minute summer	266	36.001	36	14.0	2.300	0.170	0.0355	
15 minute summer	36	1.007	BASIN	176.9	2.513	1.765	0.8548	
720 minute winter	BASIN	1.008	CC38	14.9	0.465	0.049	0.8977	
15 minute summer	268	37.000	270	6.5	1.389	0.613	0.0847	
15 minute summer	270	37.001	274	7.6	0.793	0.316	0.1045	
15 minute summer	272	38.000	274	6.0	1.367	0.561	0.0638	
15 minute summer	274	37.002	278	16.3	1.410	0.711	0.1395	
15 minute summer	276	39.000	278	6.0	1.271	0.620	0.0837	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	278	10	21.785	0.085	23.4	0.0184	0.0000	OK
15 minute summer	280	10	21.443	0.093	25.6	0.0200	0.0000	OK
15 minute summer	282	10	21.149	0.099	29.8	0.0215	0.0000	OK
15 minute summer	284	10	20.457	0.107	49.9	0.0232	0.0000	OK
15 minute summer	286	11	19.829	0.229	58.5	0.0495	0.0000	SURCHARGED
15 minute summer	288	11	19.675	0.405	68.0	0.0874	0.0000	SURCHARGED
15 minute summer	290	11	19.608	0.438	73.3	0.0946	0.0000	SURCHARGED
15 minute summer	292	11	19.589	0.189	7.8	0.0409	0.0000	OK
15 minute summer	294	11	19.580	0.230	17.2	0.0497	0.0000	SURCHARGED
15 minute summer	296	11	19.573	0.423	85.6	0.0914	0.0000	SURCHARGED
15 minute summer	298	10	20.604	0.054	6.5	0.0117	0.0000	OK
15 minute summer	300	10	20.295	0.095	9.8	0.0205	0.0000	OK
15 minute summer	302	10	19.865	0.065	14.9	0.0141	0.0000	OK
15 minute summer	304	11	19.411	0.461	103.6	0.0997	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	278	37.003	280	23.4	2.151	0.496	0.0548	
15 minute summer	280	37.004	282	25.5	2.145	0.540	0.0512	
15 minute summer	282	37.005	284	29.8	2.565	0.656	0.1126	
15 minute summer	284	37.006	286	49.8	1.957	0.467	0.5113	
15 minute summer	286	37.007	288	56.0	1.861	0.695	0.4256	
15 minute summer	288	37.008	290	65.7	1.031	0.734	1.0809	
15 minute summer	290	37.009	296	73.1	1.064	0.772	0.1937	
15 minute summer	292	40.000	294	6.9	0.565	0.142	0.2187	
15 minute summer	294	40.001	296	17.5	0.864	0.351	0.5409	
15 minute summer	296	37.010	304	85.7	1.217	0.762	1.3732	
15 minute summer	298	41.000	300	6.5	1.112	0.570	0.0598	
15 minute summer	300	41.001	302	9.5	1.312	1.009	0.1105	
15 minute summer	302	41.002	304	14.9	1.582	0.391	0.1908	
15 minute summer	304	37.011	306	103.6	1.472	1.175	1.1126	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	306	705	19.391	0.541	8.0	0.1168	0.0000	SURCHARGED
720 minute winter	CC38	705	19.391	0.741	20.1	4.2414	0.0000	SURCHARGED
60 minute summer	40	638	18.373	0.073	9.2	0.0828	0.0000	OK
30 minute summer	42	397	18.041	0.041	9.2	0.0468	0.0000	OK
30 minute summer	44	21	16.516	0.066	9.2	0.0743	0.0000	OK
15 minute winter	46	8	15.004	0.054	9.2	0.0608	0.0000	OK
15 minute winter	48	165	12.481	0.081	9.2	0.0915	0.0000	OK
15 minute winter	50	164	11.629	0.080	9.2	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)
720 minute winter	306	37.012	CC38	8.7	0.579	0.108	0.6760	
720 minute winter	CC38	Hydro-Brake®	40	9.2				
60 minute summer	40	1.010	42	9.2	1.489	0.399	0.1115	
30 minute summer	42	1.011	44	9.2	2.011	0.166	0.0916	
30 minute summer	44	1.012	46	9.2	1.414	0.369	0.4981	
15 minute winter	46	1.013	48	9.2	1.790	0.271	0.5417	
15 minute winter	48	1.014	50	9.2	0.956	0.561	0.9592	332.6

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	02	472	22.839	0.487	1.7	0.5507	0.0000	SURCHARGED
15 minute summer	102	11	25.309	0.809	17.3	0.1748	0.0000	FLOOD RISK
15 minute summer	104	11	24.579	0.329	21.5	0.0711	0.0000	SURCHARGED
15 minute summer	106	11	24.372	0.372	36.6	0.0803	0.0000	SURCHARGED
15 minute summer	108	10	23.532	0.132	49.3	0.0284	0.0000	OK
15 minute summer	110	10	23.539	0.039	3.8	0.0084	0.0000	OK
15 minute summer	112	10	23.203	0.103	62.5	0.1165	0.0000	OK
15 minute summer	114	11	23.598	0.748	10.6	0.1616	0.0000	FLOOD RISK
15 minute summer	116	11	23.366	0.666	16.0	0.1438	0.0000	FLOOD RISK
480 minute winter	118	472	22.838	0.338	1.9	0.0731	0.0000	SURCHARGED
480 minute winter	04	472	22.838	1.749	13.2	7.9141	0.0000	SURCHARGED
480 minute winter	06	472	22.838	1.788	18.0	8.0907	0.0000	SURCHARGED
15 minute summer	120	11	24.016	0.566	8.6	0.1223	0.0000	FLOOD RISK
15 minute summer	122	11	23.859	0.559	16.9	0.1207	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)
480 minute winter	02	1.000	04	1.7	0.438	0.024	1.0516	
15 minute summer	102	2.000	104	14.3	1.831	1.720	0.0829	
15 minute summer	104	2.001	106	21.1	1.222	0.799	0.2016	
15 minute summer	106	2.002	108	35.7	2.034	1.094	0.2764	
15 minute summer	108	2.003	112	49.1	2.303	0.460	0.1150	
15 minute summer	110	3.000	112	3.8	1.439	0.268	0.0098	
15 minute summer	112	2.004	04	62.3	3.122	0.211	0.2315	
15 minute summer	114	4.000	116	8.0	1.019	1.123	0.0853	
15 minute summer	116	4.001	118	14.6	1.860	2.021	0.0821	
480 minute winter	118	4.002	04	1.9	0.658	0.102	0.0986	
480 minute winter	04	1.001	06	16.8	0.276	0.005	34.1481	
480 minute winter	06	1.002	08	21.0	0.224	0.006	59.1434	
15 minute summer	120	5.000	122	7.0	0.895	0.920	0.0743	
15 minute summer	122	5.001	124	15.8	2.019	2.103	0.0503	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	124	10	23.223	0.073	23.7	0.0158	0.0000	OK
480 minute winter	CS01	472	22.838	1.738	23.3	182.5279	0.0000	FLOOD RISK
480 minute winter	126	472	22.839	0.839	1.0	0.1811	0.0000	SURCHARGED
480 minute winter	VC01	472	22.838	1.788	23.4	2.0228	0.0000	SURCHARGED
480 minute winter	08	472	22.839	1.857	36.8	8.3989	0.0000	SURCHARGED
15 minute summer	128	11	24.328	0.528	12.5	0.1140	0.0000	FLOOD RISK
15 minute summer	130	11	23.990	0.490	14.8	0.1058	0.0000	SURCHARGED
15 minute summer	130A	11	23.350	0.050	14.0	0.0108	0.0000	OK
15 minute summer	132	11	25.499	0.449	8.6	0.0969	0.0000	FLOOD RISK
15 minute summer	134	11	25.367	0.767	16.5	0.1658	0.0000	FLOOD RISK
15 minute summer	136	11	24.767	0.317	4.8	0.0685	0.0000	SURCHARGED
15 minute summer	138	11	24.703	0.603	34.6	0.1302	0.0000	SURCHARGED
15 minute summer	140	10	23.945	0.095	42.7	0.0204	0.0000	OK
15 minute summer	142	11	27.151	0.051	4.8	0.0110	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	124	5.002	08	23.6	2.948	0.402	0.0610	
480 minute winter	CS01	6.000	VC01	-23.3	-0.387	-0.210	0.3522	
480 minute winter	126	7.000	VC01	1.6	1.029	0.021	0.0792	
480 minute winter	VC01	6.001	08	-22.4	-0.319	-0.272	0.8645	
480 minute winter	08	1.003	CC12	-12.0	0.171	-0.004	55.9904	
15 minute summer	128	8.000	130	10.3	1.314	1.038	0.0735	
15 minute summer	130	8.001	130A	14.0	1.790	1.724	0.0647	
15 minute summer	130A	8.002	CC12	14.0	2.838	0.212	0.0374	
15 minute summer	132	9.000	134	6.7	0.981	0.570	0.0931	
15 minute summer	134	9.001	138	13.9	1.772	1.121	0.0853	
15 minute summer	136	10.000	138	4.4	0.720	0.498	0.1095	
15 minute summer	138	9.002	140	33.2	2.054	1.481	0.2315	
15 minute summer	140	9.003	CC12	42.5	3.859	0.617	0.1177	
15 minute summer	142	11.000	146	4.7	0.822	0.422	0.0977	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	144	11	27.141	0.191	5.8	0.0413	0.0000	SURCHARGED
15 minute summer	146	11	27.073	0.523	27.6	0.1129	0.0000	FLOOD RISK
15 minute summer	148	11	26.390	0.790	12.5	0.1706	0.0000	FLOOD RISK
15 minute summer	150	11	26.207	0.107	24.0	0.0231	0.0000	OK
15 minute summer	152	11	26.030	0.730	31.1	0.1577	0.0000	SURCHARGED
15 minute summer	154	11	25.871	0.871	53.0	0.1882	0.0000	SURCHARGED
15 minute summer	156	11	25.175	0.575	6.7	0.1243	0.0000	FLOOD RISK
15 minute summer	158	11	25.089	0.689	11.3	0.1489	0.0000	FLOOD RISK
15 minute summer	160	11	24.958	0.158	7.7	0.0342	0.0000	SURCHARGED
15 minute summer	162	11	24.862	0.612	24.5	0.1321	0.0000	SURCHARGED
15 minute summer	164	11	24.530	0.630	92.9	0.1361	0.0000	SURCHARGED
15 minute summer	166	11	23.832	0.232	98.0	0.0500	0.0000	OK
15 minute summer	168	11	23.633	0.233	104.8	0.0503	0.0000	OK
15 minute summer	170	11	23.418	0.218	107.2	0.0470	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	144	12.000	146	5.6	0.895	0.603	0.1330	
15 minute summer	146	11.001	154	22.0	3.160	0.836	0.0634	
15 minute summer	148	13.000	152	9.0	1.151	1.153	0.1178	
15 minute summer	150	14.000	152	23.2	2.013	0.491	0.1786	
15 minute summer	152	13.001	154	27.4	1.779	0.545	0.0669	
15 minute summer	154	11.002	164	52.4	2.977	1.008	0.2139	
15 minute summer	156	15.000	158	5.3	0.698	0.750	0.1150	
15 minute summer	158	15.001	162	11.1	1.420	1.530	0.0544	
15 minute summer	160	16.000	162	7.0	1.533	0.439	0.0567	
15 minute summer	162	15.002	164	24.3	1.381	0.973	0.2465	
15 minute summer	164	11.003	166	93.2	2.343	1.485	0.6102	
15 minute summer	166	11.004	168	98.2	1.686	0.768	0.8869	
15 minute summer	168	11.005	170	104.8	1.847	0.771	0.7602	
15 minute summer	170	11.006	178	107.5	2.380	0.686	0.4536	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	172	11	24.743	0.493	6.7	0.1065	0.0000	FLOOD RISK
15 minute summer	174	11	24.586	0.586	21.8	0.1267	0.0000	SURCHARGED
15 minute summer	176	10	23.995	0.095	26.2	0.0205	0.0000	OK
15 minute summer	178	11	23.150	0.149	133.2	0.0323	0.0000	OK
480 minute winter	10	472	22.838	1.838	22.9	8.3171	0.0000	SURCHARGED
480 minute winter	CC12	472	22.839	1.921	21.0	13.5765	0.0000	SURCHARGED
15 minute summer	180	11	24.779	0.729	12.5	0.1575	0.0000	FLOOD RISK
15 minute summer	182	12	24.406	0.556	13.0	0.1200	0.0000	FLOOD RISK
15 minute summer	184	11	24.405	0.305	13.4	0.0659	0.0000	SURCHARGED
15 minute summer	186	11	23.731	0.181	24.8	0.0392	0.0000	SURCHARGED
15 minute summer	188	11	23.561	0.061	25.5	0.0132	0.0000	OK
15 minute summer	190	10	24.001	0.051	3.8	0.0111	0.0000	OK
15 minute summer	192	10	23.883	0.033	5.7	0.0072	0.0000	OK
15 minute summer	194	12	21.399	0.099	30.5	0.0214	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	172	17.000	174	6.3	0.803	0.806	0.1181	
15 minute summer	174	17.001	176	20.6	2.638	2.614	0.0228	
15 minute summer	176	17.002	178	25.9	2.316	0.645	0.1660	
15 minute summer	178	11.007	10	133.4	4.407	0.330	0.1848	
480 minute winter	10	11.008	CC12	16.8	0.160	0.005	70.3647	
480 minute winter	CC12	Hydro-Brake®	14	4.2				
15 minute summer	180	19.000	182	9.4	1.195	1.259	0.1041	
15 minute summer	182	19.001	186	11.6	1.477	1.526	0.1252	
15 minute summer	184	20.000	186	11.8	1.532	1.061	0.1170	
15 minute summer	186	19.002	188	24.7	1.763	1.093	0.0378	
15 minute summer	188	19.003	194	25.5	3.179	0.350	0.1274	
15 minute summer	190	21.000	192	3.8	1.206	0.429	0.0149	
15 minute summer	192	21.001	194	5.7	2.546	0.227	0.0430	
15 minute summer	194	19.004	14	29.9	3.641	0.367	0.0472	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	14	12	21.186	0.686	33.1	0.9810	0.0000	SURCHARGED
15 minute summer	196	11	22.970	0.620	19.2	0.1338	0.0000	FLOOD RISK
15 minute summer	198	11	22.718	0.668	25.3	0.1444	0.0000	FLOOD RISK
15 minute summer	200	11	22.540	0.340	11.5	0.0733	0.0000	SURCHARGED
15 minute summer	202	11	22.348	0.498	34.1	0.1076	0.0000	SURCHARGED
15 minute summer	204	11	21.845	0.245	53.5	0.0529	0.0000	SURCHARGED
15 minute summer	206	12	21.380	0.180	51.6	0.0389	0.0000	OK
15 minute summer	208	11	22.377	0.127	7.7	0.0274	0.0000	SURCHARGED
15 minute summer	210	11	22.200	0.200	20.7	0.0433	0.0000	SURCHARGED
15 minute summer	212	12	21.256	0.456	31.4	0.0984	0.0000	SURCHARGED
15 minute summer	16	12	21.152	1.152	119.6	1.3032	0.0000	SURCHARGED
15 minute summer	214	10	25.488	0.138	44.2	0.0298	0.0000	OK
15 minute summer	216	10	24.955	0.155	67.2	0.0336	0.0000	OK
15 minute summer	218	10	24.630	0.180	89.3	0.0388	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	14	1.005	16	41.4	0.840	0.287	2.0943	
15 minute summer	196	22.000	198	15.9	0.969	0.849	0.4771	
15 minute summer	198	22.001	202	23.3	1.324	1.231	0.3098	
15 minute summer	200	23.000	202	9.6	1.443	0.713	0.0485	
15 minute summer	202	22.002	204	33.6	1.910	1.470	0.1866	
15 minute summer	204	22.003	206	51.6	1.716	1.023	1.4714	
15 minute summer	206	22.004	16	50.8	2.104	0.447	0.8754	
15 minute summer	208	24.000	210	7.3	1.038	0.911	0.1111	
15 minute summer	210	24.001	212	19.9	2.868	0.932	0.0735	
15 minute summer	212	24.002	16	29.7	3.535	0.367	0.0563	
15 minute summer	16	1.006	36	118.8	1.688	0.870	2.3366	
15 minute summer	214	25.000	216	44.2	1.611	0.669	0.9375	
15 minute summer	216	25.001	218	67.2	2.119	0.656	0.2879	
15 minute summer	218	25.002	220	89.4	2.708	0.846	0.5640	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	220	10	23.919	0.169	100.9	0.0365	0.0000	OK
15 minute summer	222	10	22.634	0.134	111.5	0.0288	0.0000	OK
120 minute winter	224	120	22.246	0.546	35.6	0.1180	0.0000	SURCHARGED
120 minute winter	18	120	22.246	1.746	41.1	6.0487	0.0000	SURCHARGED
15 minute summer	226	11	23.926	0.226	12.5	0.0488	0.0000	SURCHARGED
15 minute summer	228	11	23.717	0.467	24.0	0.1009	0.0000	SURCHARGED
15 minute summer	230	11	23.471	0.471	14.4	0.1017	0.0000	FLOOD RISK
15 minute summer	232	11	23.413	0.713	41.8	0.1541	0.0000	FLOOD RISK
15 minute summer	234	10	22.449	0.149	9.6	0.0321	0.0000	SURCHARGED
120 minute winter	236	120	22.246	0.246	16.0	0.0532	0.0000	SURCHARGED
120 minute winter	20	120	22.246	1.769	62.2	6.1284	0.0000	SURCHARGED
15 minute summer	238	10	23.822	0.022	4.8	0.0048	0.0000	OK
120 minute winter	CS02	120	22.247	0.797	46.2	40.8798	0.0000	SURCHARGED
120 minute winter	VC02	120	22.247	0.847	45.9	0.9575	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	220	25.003	222	100.9	3.356	0.793	0.5948	
15 minute summer	222	25.004	224	111.6	2.477	0.375	0.5004	
120 minute winter	224	25.005	18	35.6	1.864	0.201	0.8380	
120 minute winter	18	25.006	20	35.3	0.340	0.018	12.6304	
15 minute summer	226	26.000	228	12.5	2.007	0.775	0.0446	
15 minute summer	228	26.001	232	19.2	1.451	0.710	0.3820	
15 minute summer	230	27.000	232	11.9	0.838	0.377	0.1690	
15 minute summer	232	26.002	236	40.5	2.302	1.283	0.3477	
15 minute summer	234	28.000	236	9.1	1.184	1.034	0.0635	
120 minute winter	236	26.003	20	16.0	2.486	0.097	0.2187	
120 minute winter	20	25.007	24	46.7	0.442	0.025	43.7265	
15 minute summer	238	30.000	VC02	4.8	3.078	0.044	0.0093	
120 minute winter	CS02	29.000	VC02	-46.2	-1.138	-0.416	0.3522	
120 minute winter	VC02	29.001	22	-41.4	0.672	-0.500	0.8074	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	22	120	22.246	1.810	42.5	6.2708	0.0000	SURCHARGED
120 minute winter	24	120	22.246	1.847	53.6	8.3569	0.0000	SURCHARGED
120 minute winter	26	120	22.246	1.884	26.2	6.5270	0.0000	SURCHARGED
120 minute winter	CC28	120	22.246	1.911	14.3	10.9438	0.0000	SURCHARGED
15 minute summer	240	11	23.643	0.243	9.6	0.0526	0.0000	SURCHARGED
15 minute summer	242	10	23.381	0.231	24.4	0.0498	0.0000	SURCHARGED
15 minute summer	244	11	23.076	0.176	25.0	0.0381	0.0000	SURCHARGED
15 minute summer	246	11	22.829	0.129	26.5	0.0279	0.0000	OK
15 minute summer	248	11	22.597	0.097	35.6	0.0210	0.0000	OK
15 minute summer	250	9	22.525	0.075	12.5	0.0162	0.0000	OK
15 minute summer	252	11	21.695	0.395	57.2	0.0854	0.0000	SURCHARGED
15 minute summer	30	12	21.040	0.990	69.6	1.1196	0.0000	SURCHARGED
15 minute summer	32	12	20.996	1.096	61.5	1.2401	0.0000	SURCHARGED
15 minute summer	254	11	22.467	0.967	27.8	0.2089	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)
120 minute winter	22	29.002	24	-37.8	0.214	-0.020	20.5546	
120 minute winter	24	25.008	26	26.2	0.460	0.014	20.6098	
120 minute winter	26	25.009	CC28	14.3	0.471	0.008	14.9695	
120 minute winter	CC28	Hydro-Brake®	30	7.2				
15 minute summer	240	31.000	242	8.6	1.123	1.037	0.0845	
15 minute summer	242	31.001	244	23.1	1.352	0.990	0.2553	
15 minute summer	244	31.002	246	24.9	1.495	0.978	0.1653	
15 minute summer	246	31.003	248	26.6	1.947	0.851	0.0917	
15 minute summer	248	31.004	252	35.2	2.639	0.694	0.2212	
15 minute summer	250	32.000	252	12.3	1.951	0.878	0.1458	
15 minute summer	252	31.005	30	54.6	4.274	0.642	0.0863	
15 minute summer	30	25.011	32	61.5	1.564	0.416	0.5986	
15 minute summer	32	25.012	34	59.9	0.948	0.432	1.1338	
15 minute summer	254	33.000	258	21.8	1.317	0.749	0.2984	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	256	11	22.193	0.793	9.3	0.1713	0.0000	FLOOD RISK
15 minute summer	258	11	22.180	1.130	43.6	0.2440	0.0000	FLOOD RISK
15 minute summer	260	11	21.144	0.344	17.3	0.0744	0.0000	SURCHARGED
15 minute summer	262	11	21.038	0.838	61.4	0.1809	0.0000	SURCHARGED
15 minute summer	34	12	20.929	1.279	122.0	1.8306	0.0000	SURCHARGED
15 minute summer	264	10	21.696	0.046	8.6	0.0100	0.0000	OK
15 minute summer	266	11	20.753	0.453	24.9	0.0978	0.0000	SURCHARGED
15 minute summer	36	12	20.683	1.183	256.1	1.6932	0.0000	SURCHARGED
1440 minute winter	BASIN	1410	19.796	1.096	26.4	794.2982	0.0000	SURCHARGED
15 minute summer	268	11	22.872	0.172	11.5	0.0371	0.0000	SURCHARGED
15 minute summer	270	12	22.383	0.283	12.7	0.0612	0.0000	SURCHARGED
15 minute summer	272	11	22.624	0.224	10.6	0.0484	0.0000	SURCHARGED
15 minute summer	274	12	22.336	0.436	27.0	0.0943	0.0000	SURCHARGED
15 minute summer	276	11	22.456	0.256	10.6	0.0553	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	256	34.000	258	9.1	0.528	0.340	0.2711	
15 minute summer	258	33.001	262	37.9	2.156	1.101	0.3662	
15 minute summer	260	35.000	262	16.0	1.679	0.494	0.2808	
15 minute summer	262	33.002	34	59.2	2.903	0.358	0.1591	
15 minute summer	34	25.013	36	120.8	1.715	1.050	0.9857	
15 minute summer	264	36.000	266	8.6	2.222	0.433	0.0698	
15 minute summer	266	36.001	36	21.2	2.331	0.258	0.0546	
15 minute summer	36	1.007	BASIN	255.5	3.629	2.549	0.8548	
1440 minute winter	BASIN	1.008	CC38	17.6	0.467	0.058	0.8977	
15 minute summer	268	37.000	270	10.8	1.447	1.016	0.1416	
15 minute summer	270	37.001	274	12.3	0.835	0.513	0.1928	
15 minute summer	272	38.000	274	9.9	1.399	0.923	0.1138	
15 minute summer	274	37.002	278	23.8	1.418	1.041	0.2130	
15 minute summer	276	39.000	278	9.8	1.320	1.013	0.1389	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	278	12	22.133	0.433	35.5	0.0936	0.0000	SURCHARGED
15 minute summer	280	12	21.914	0.564	38.5	0.1218	0.0000	SURCHARGED
15 minute summer	282	11	21.704	0.654	41.0	0.1412	0.0000	FLOOD RISK
15 minute summer	284	11	21.212	0.862	72.5	0.1861	0.0000	FLOOD RISK
15 minute summer	286	11	20.864	1.264	79.4	0.2731	0.0000	FLOOD RISK
15 minute summer	288	11	20.530	1.260	96.1	0.2722	0.0000	SURCHARGED
15 minute summer	290	11	20.372	1.202	105.5	0.2597	0.0000	SURCHARGED
15 minute summer	292	11	20.338	0.938	12.5	0.2025	0.0000	FLOOD RISK
15 minute summer	294	11	20.334	0.984	27.6	0.2126	0.0000	FLOOD RISK
15 minute summer	296	11	20.291	1.141	133.1	0.2465	0.0000	SURCHARGED
15 minute summer	298	11	21.042	0.492	11.5	0.1063	0.0000	FLOOD RISK
15 minute summer	300	11	20.802	0.602	14.5	0.1301	0.0000	SURCHARGED
15 minute summer	302	11	20.135	0.335	21.3	0.0724	0.0000	SURCHARGED
15 minute summer	304	11	19.910	0.960	159.1	0.2073	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	278	37.003	280	34.7	2.178	0.736	0.0889	
15 minute summer	280	37.004	282	36.0	2.164	0.762	0.0757	
15 minute summer	282	37.005	284	42.7	2.596	0.940	0.1708	
15 minute summer	284	37.006	286	64.0	1.964	0.599	0.7139	
15 minute summer	286	37.007	288	76.2	1.916	0.947	0.4256	
15 minute summer	288	37.008	290	93.4	1.327	1.044	1.0809	
15 minute summer	290	37.009	296	104.2	1.480	1.101	0.1937	
15 minute summer	292	40.000	294	10.0	0.576	0.206	0.2307	
15 minute summer	294	40.001	296	24.9	0.887	0.500	0.5409	
15 minute summer	296	37.010	304	132.8	1.886	1.180	1.3732	
15 minute summer	298	41.000	300	8.7	1.145	0.765	0.0779	
15 minute summer	300	41.001	302	12.5	1.599	1.324	0.1131	
15 minute summer	302	41.002	304	20.1	1.610	0.525	0.2694	
15 minute summer	304	37.011	306	158.9	2.257	1.801	1.1126	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	306	1410	19.796	0.946	7.7	0.2042	0.0000	SURCHARGED
1440 minute winter	CC38	1410	19.796	1.146	19.4	6.5592	0.0000	SURCHARGED
30 minute summer	40	1070	18.373	0.073	9.2	0.0828	0.0000	OK
15 minute summer	42	670	18.041	0.041	9.2	0.0468	0.0000	OK
15 minute summer	44	6	16.516	0.066	9.2	0.0743	0.0000	OK
15 minute summer	46	7	15.004	0.054	9.2	0.0610	0.0000	OK
15 minute summer	48	672	12.481	0.081	9.2	0.0915	0.0000	OK
15 minute summer	50	672	11.629	0.080	9.2	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)
1440 minute winter	306	37.012	CC38	7.7	0.479	0.096	0.6760	
1440 minute winter	CC38	Hydro-Brake®	40	9.2				
30 minute summer	40	1.010	42	9.2	1.489	0.399	0.1115	
15 minute summer	42	1.011	44	9.2	2.109	0.166	0.0916	
15 minute summer	44	1.012	46	9.2	1.515	0.369	0.4981	
15 minute summer	46	1.013	48	9.2	1.767	0.271	0.5417	
15 minute summer	48	1.014	50	9.2	0.956	0.561	0.9591	587.5