

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)	Invert Level (m)
201	0.182	5.00	26.000	1800	341303.439	398529.705	1.811	24.189
202	0.017	5.00	26.281	1800	341285.794	398489.401	2.202	24.079
203	0.208	5.00	26.161	1800	341273.582	398482.487	2.117	24.044
204	0.133	5.00	26.476	1800	341179.793	398484.684	1.528	24.948
205	0.028	5.00	26.799	1800	341203.092	398484.051	2.931	23.868
206	0.069	5.00	26.048	1800	341321.334	398482.227	1.828	24.220
207	0.059	5.00	26.065	1800	341332.233	398467.891	1.890	24.175
208	0.039	5.00	26.226	1800	341336.532	398454.808	2.085	24.141
209	0.090	5.00	26.618	1800	341337.391	398422.104	2.559	24.059
210	0.111	5.00	26.187	1800	341278.513	398423.358	2.275	23.912
211	0.076	5.00	26.090	1800	341224.638	398424.506	2.313	23.777
212	0.090	5.00	26.023	1800	341201.865	398424.991	2.303	23.720
213	0.102	5.00	25.574	1800	341144.069	398425.858	2.074	23.500
214	0.131	5.00	26.234	1500	341145.103	398492.307	2.487	23.747
215	0.053	5.00	26.586	1500	341122.392	398500.888	2.900	23.686
216	0.122	5.00	25.711	1500	341110.897	398469.553	2.108	23.603
217	0.055	5.00	25.256	1800	341105.936	398441.010	1.725	23.531
218	0.073	5.00	25.325	1800	341110.690	398426.361	1.908	23.417
219	0.009		25.000		341094.622	398420.783	1.771	23.229
220	0.000	5.00	25.000	1800	341095.815	398384.710	1.775	23.225
221	0.073	5.00	24.957	1800	341110.998	398398.491	1.890	23.067
222	0.044	5.00	24.825	2100	341110.940	398381.877	1.800	23.025
223	0.260	5.00	24.436	1500	341110.872	398351.655	1.548	22.888
224	0.138	5.00	24.775	1500	341110.814	398306.777	3.143	21.632
225	0.171	5.00	24.102	1800	341117.234	398237.866	1.500	22.602
226	0.065	5.00	24.111	1800	341110.910	398247.980	2.626	21.485
227	0.074	5.00	23.842	1800	341098.139	398243.520	2.391	21.451
228	0.154	5.00	23.710	1800	341087.117	398244.175	2.287	21.423
229	0.218	5.00	23.294	1800	341030.346	398263.665	2.021	21.273
230	0.189	5.00	23.165	1800	340962.275	398286.970	2.072	21.093
231	0.151	5.00	25.265	1500	341011.541	398478.569	1.425	23.840
232	0.111	5.00	26.005	1500	340961.860	398497.840	1.425	24.580
233	0.153	5.00	25.583	1800	340981.440	398490.288	4.063	21.520
234	0.056	5.00	24.342	1800	340956.567	398422.643	3.002	21.340
235	0.199	5.00	25.044	1500	341071.311	398456.339	1.500	23.544
236	0.009	5.00	25.500	1500	341040.122	398468.465	2.155	23.345
237	0.090	5.00	24.426	1500	341022.287	398422.594	1.575	22.851
238	0.238	5.00	24.541	1500	341068.921	398373.973	1.500	23.041
239	0.191	5.00	23.787	2100	341011.100	398393.822	2.333	21.454
240	0.034	5.00	24.081	1800	340962.994	398410.606	2.754	21.327
241	0.034	5.00	24.156	1800	340956.280	398410.738	2.846	21.310
242	0.013	5.00	23.848	1800	340955.912	398392.026	2.585	21.263
243	0.101	5.00	23.445	1800	340947.638	398366.993	2.248	21.197
244	0.110	5.00	24.312	1800	341073.154	398314.107	2.793	21.519
245	0.108	5.00	24.213	1800	341012.160	398334.828	2.855	21.358
246	0.228	5.00	23.908	1800	340988.282	398337.897	2.610	21.298
247	0.000	5.00	23.367	1800	340930.701	398356.741	2.220	21.147
248	0.000		23.268	1800	340916.552	398305.027	2.255	21.013
249	0.045	5.00	23.110	2100	340924.113	398298.865	2.270	20.840
251	0.062		22.000		340919.275	398283.282	1.938	20.063
253	0.000	5.00	22.000	1800	340883.968	398172.442	1.950	20.050
254	0.000	5.00	22.000	3000	340880.040	398159.342	1.984	20.016

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)	Invert Level (m)
255	0.146	5.00	21.922	2400	340913.022	398226.885	4.970	16.952
256	0.092	5.00	21.998	2700	340893.178	398163.029	5.513	16.485
257	0.000	5.00	22.045	2700	340886.617	398155.499	5.885	16.160
258	0.013	5.00	21.906	2700	340880.391	398148.782	5.769	16.137
259	0.140	5.00	21.538	2700	340876.924	398139.018	5.427	16.111
260	0.069	5.00	19.289	2700	340877.118	398094.348	3.290	15.999
261	0.000		18.982	1500	340877.148	398081.886	3.035	15.947
262	0.000		17.977	1500	340825.876	398084.546	2.129	15.848
263	0.000	5.00	17.468	1500	340800.635	398090.194	1.731	15.737
264	0.000		16.949	1500	340777.252	398096.951	1.624	15.325
265	0.000		15.000		340760.040	398047.601	0.900	14.100

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	201	202	43.997	0.600	24.189	24.079	0.110	400.0	450	5.73	50.0
1.001	202	203	14.033	0.600	24.079	24.044	0.035	400.9	450	5.96	50.0
1.002	203	205	70.507	0.600	24.044	23.868	0.176	400.6	450	7.12	50.0
2.000	204	205	23.308	0.600	24.948	24.093	0.855	27.3	225	5.15	50.0
1.003	205	212	59.073	0.600	23.868	23.720	0.148	399.1	450	8.10	50.0
3.000	206	207	18.009	0.600	24.220	24.175	0.045	400.2	450	5.30	50.0
3.001	207	208	13.771	0.600	24.175	24.141	0.034	405.0	450	5.53	50.0
3.002	208	209	32.715	0.600	24.141	24.059	0.082	399.0	450	6.06	50.0
3.003	209	210	58.891	0.600	24.059	23.912	0.147	400.6	450	7.04	50.0
3.004	210	211	53.887	0.600	23.912	23.777	0.135	399.2	450	7.93	42.5
3.005	211	212	22.778	0.600	23.777	23.720	0.057	399.6	450	8.30	41.8
1.004	212	213	57.803	0.600	23.720	23.575	0.145	398.6	450	9.25	40.1
1.005	213	218	33.383	0.600	23.500	23.417	0.083	402.2	525	9.75	39.3
4.000	214	215	24.278	0.600	23.747	23.686	0.061	398.0	450	5.40	50.0
4.001	215	216	33.377	0.600	23.686	23.603	0.083	402.1	450	5.95	50.0
4.002	216	217	28.971	0.600	23.603	23.531	0.072	402.4	450	6.43	50.0

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)
1.000	1.010	160.7	24.7	1.361	1.752	0.182	0.0	118	0.738
1.001	1.009	160.5	27.0	1.752	1.667	0.199	0.0	124	0.758
1.002	1.009	160.5	55.2	1.667	2.481	0.407	0.0	181	0.919
2.000	2.515	100.0	18.0	1.303	2.481	0.133	0.0	65	1.922
1.003	1.011	160.8	77.0	2.481	1.853	0.568	0.0	219	1.001
3.000	1.010	160.6	9.4	1.378	1.440	0.069	0.0	73	0.561
3.001	1.004	159.6	17.3	1.440	1.635	0.128	0.0	100	0.667
3.002	1.011	160.9	22.6	1.635	2.109	0.167	0.0	113	0.721
3.003	1.009	160.5	34.8	2.109	1.825	0.257	0.0	142	0.813
3.004	1.011	160.8	42.4	1.825	1.863	0.368	0.0	157	0.857
3.005	1.011	160.7	50.3	1.863	1.853	0.444	0.0	173	0.898
1.004	1.012	160.9	119.9	1.853	1.549	1.102	0.0	290	1.105
1.005	1.110	240.4	128.3	1.549	1.383	1.204	0.0	273	1.128
4.000	1.013	161.1	17.8	2.037	2.450	0.131	0.0	100	0.673
4.001	1.007	160.2	24.9	2.450	1.658	0.184	0.0	119	0.739
4.002	1.007	160.2	41.5	1.658	1.275	0.306	0.0	155	0.849

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)
4.003	217	218	15.401	0.600	23.531	23.492	0.039	394.9	450	6.68	50.0
1.006	218	219	17.009	0.600	23.417	23.374	0.043	395.6	525	10.01	38.9
5.000	220	222	15.388	0.600	23.225	23.025	0.200	76.9	525	5.10	50.0
6.000	221	222	16.614	0.600	23.067	23.025	0.042	395.6	525	5.25	50.0
5.001	222	223	30.222	0.600	23.025	22.888	0.137	220.6	300	5.73	45.8
5.002	223	224	44.878	0.600	22.888	21.932	0.956	46.9	300	6.05	50.0
5.003	224	226	58.797	0.600	21.632	21.485	0.147	400.0	600	6.86	50.0
7.000	225	226	11.928	0.600	22.602	22.531	0.071	168.0	225	5.20	50.0
5.004	226	227	13.527	0.600	21.485	21.451	0.034	397.9	600	7.04	50.0
5.005	227	228	11.041	0.600	21.451	21.423	0.028	394.3	600	7.20	50.0
5.006	228	229	60.023	0.600	21.423	21.273	0.150	400.2	600	8.02	50.0
5.007	229	230	71.950	0.600	21.273	21.093	0.180	399.7	600	9.01	50.0
5.008	230	249	39.973	0.600	21.093	20.990	0.103	388.1	600	9.55	49.1
8.000	231	233	32.302	0.600	23.840	21.895	1.945	16.6	225	5.17	50.0
9.000	232	233	20.986	0.600	24.580	22.795	1.785	11.8	225	5.09	50.0
8.001	233	234	72.073	0.600	21.520	21.340	0.180	400.4	600	6.16	50.0
8.002	234	241	11.908	0.600	21.340	21.310	0.030	396.9	600	6.32	50.0
10.000	235	236	33.463	0.600	23.544	23.345	0.199	168.2	300	5.46	50.0
10.001	236	237	49.216	0.600	23.345	22.851	0.494	99.6	300	5.98	50.0
10.002	237	239	30.870	0.600	22.851	21.754	1.097	28.1	300	6.15	50.0
11.000	238	239	61.133	0.600	23.041	21.754	1.287	47.5	300	5.45	50.0
10.003	239	240	50.950	0.600	21.454	21.327	0.127	401.2	600	6.86	50.0
10.004	240	241	6.715	0.600	21.327	21.310	0.017	395.0	600	6.95	50.0
8.003	241	242	18.716	0.600	21.310	21.263	0.047	398.2	600	7.21	50.0

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)
4.003	1.017	161.7	48.9	1.275	1.383	0.361	0.0	169	0.895
1.006	1.120	242.4	172.8	1.383	1.101	1.638	0.0	329	1.212
5.000	2.555	553.1	0.0	1.250	1.275	0.000	0.0	0	0.000
6.000	1.120	242.4	9.9	1.365	1.275	0.073	0.0	72	0.560
5.001	1.054	74.5	14.5	1.500	1.248	0.117	0.0	89	0.822
5.002	2.300	162.6	51.1	1.248	2.543	0.377	0.0	115	2.044
5.003	1.211	342.4	69.8	2.543	2.026	0.515	0.0	183	0.959
7.000	1.006	40.0	23.2	1.275	1.355	0.171	0.0	123	1.040
5.004	1.214	343.4	101.8	2.026	1.791	0.751	0.0	223	1.064
5.005	1.220	344.9	111.8	1.791	1.687	0.825	0.0	234	1.094
5.006	1.211	342.4	132.7	1.687	1.421	0.979	0.0	259	1.137
5.007	1.212	342.6	162.2	1.421	1.472	1.197	0.0	290	1.196
5.008	1.230	347.7	184.4	1.472	1.520	1.386	0.0	311	1.247
8.000	3.226	128.3	20.5	1.200	3.463	0.151	0.0	60	2.373
9.000	3.837	152.6	15.0	1.200	2.563	0.111	0.0	47	2.454
8.001	1.211	342.3	56.2	3.463	2.402	0.415	0.0	163	0.904
8.002	1.216	343.8	63.8	2.402	2.246	0.471	0.0	174	0.939
10.000	1.209	85.5	27.0	1.200	1.855	0.199	0.0	116	1.076
10.001	1.575	111.3	28.2	1.855	1.275	0.208	0.0	103	1.322
10.002	2.975	210.3	40.4	1.275	1.733	0.298	0.0	89	2.316
11.000	2.287	161.6	32.3	1.200	1.733	0.238	0.0	91	1.798
10.003	1.209	341.9	98.5	1.733	2.154	0.727	0.0	219	1.051
10.004	1.219	344.6	103.1	2.154	2.246	0.761	0.0	224	1.071
8.003	1.214	343.2	171.6	2.246	1.985	1.266	0.0	300	1.213

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)
8.004	242	243	26.365	0.600	21.263	21.197	0.066	399.5	600	7.57	50.0
8.005	243	247	19.798	0.600	21.197	21.148	0.049	404.0	600	7.84	50.0
12.000	244	245	64.418	0.600	21.519	21.358	0.161	400.1	600	5.89	50.0
12.001	245	246	24.074	0.600	21.358	21.298	0.060	401.2	600	6.22	50.0
12.002	246	247	60.586	0.600	21.298	21.147	0.151	401.2	600	7.05	50.0
8.006	247	248	53.615	0.600	21.147	21.013	0.134	400.1	600	8.58	50.0
8.007	248	249	9.754	0.600	21.013	20.990	0.023	424.1	600	8.72	50.0
5.009	249	251	16.317	0.600	20.840	20.799	0.041	398.0	750	9.75	48.6
5.013	253	254	13.676	0.600	20.050	20.016	0.034	402.2	750	5.16	50.0
5.014	254	258	10.566	0.600	20.016	19.593	0.423	25.0	375	5.21	50.0
13.000	255	256	66.868	0.600	16.952	16.785	0.167	400.4	900	5.71	50.0
13.001	256	257	9.987	0.600	16.485	16.460	0.025	399.5	1200	5.80	50.0
13.002	257	258	9.159	0.600	16.160	16.137	0.023	398.2	1500	5.88	50.0
5.015	258	259	10.361	0.600	16.137	16.111	0.026	398.5	1500	5.96	50.0
5.016	259	260	44.670	0.600	16.111	15.999	0.112	398.8	1500	6.30	50.0
5.017	260	261	12.462	0.600	15.999	15.947	0.052	239.7	375	6.48	50.0
5.018	261	262	24.866	0.600	15.952	15.848	0.104	239.1	375	6.84	50.0
5.019	262	263	26.536	0.600	15.848	15.737	0.111	239.1	375	7.22	50.0
5.021	263	264	24.339	0.600	15.737	15.325	0.412	59.1	375	7.39	43.8
5.022	264	265	52.265	0.600	15.325	14.100	1.225	42.7	375	7.70	42.9

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)
8.004	1.212	342.7	173.3	1.985	1.648	1.279	0.0	302	1.215
8.005	1.205	340.7	187.0	1.648	1.619	1.380	0.0	317	1.232
12.000	1.211	342.4	14.9	2.193	2.255	0.110	0.0	84	0.618
12.001	1.209	341.9	29.5	2.255	2.010	0.218	0.0	118	0.754
12.002	1.209	341.9	60.4	2.010	1.620	0.446	0.0	170	0.922
8.006	1.211	342.4	247.5	1.620	1.655	1.826	0.0	379	1.314
8.007	1.176	332.5	247.5	1.655	1.520	1.826	0.0	387	1.283
5.009	1.396	616.9	428.7	1.520	0.451	3.257	0.0	462	1.502
5.013	1.389	613.6	0.0	1.200	1.234	0.000	0.0	0	0.000
5.014	3.638	401.8	0.0	1.609	1.938	0.000	0.0	0	0.000
13.000	1.559	992.0	19.8	4.070	4.313	0.146	0.0	87	0.639
13.001	1.865	2109.6	32.3	4.313	4.385	0.238	0.0	101	0.710
13.002	2.143	3786.9	32.3	4.385	4.269	0.238	0.0	95	0.687
5.015	2.142	3785.5	34.0	4.269	3.927	0.251	0.0	98	0.700
5.016	2.141	3783.9	53.0	3.927	1.790	0.391	0.0	120	0.796
5.017	1.166	128.8	62.3	2.915	2.660	0.460	0.0	184	1.157
5.018	1.167	128.9	62.3	2.655	1.754	0.460	0.0	183	1.157
5.019	1.167	128.9	62.3	1.754	1.356	0.460	0.0	183	1.157
5.021	2.361	260.7	54.6	1.356	1.249	0.460	0.0	116	1.884
5.022	2.780	307.1	53.4	1.249	0.525	0.460	0.0	105	2.106

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.000	43.997	400.0	450	Circular_Default Sewer Type	26.000	24.189	1.361	26.281	24.079	1.752
1.001	14.033	400.9	450	Circular_Default Sewer Type	26.281	24.079	1.752	26.161	24.044	1.667
1.002	70.507	400.6	450	Circular_Default Sewer Type	26.161	24.044	1.667	26.799	23.868	2.481
2.000	23.308	27.3	225	Circular_Default Sewer Type	26.476	24.948	1.303	26.799	24.093	2.481
1.003	59.073	399.1	450	Circular_Default Sewer Type	26.799	23.868	2.481	26.023	23.720	1.853
3.000	18.009	400.2	450	Circular_Default Sewer Type	26.048	24.220	1.378	26.065	24.175	1.440
3.001	13.771	405.0	450	Circular_Default Sewer Type	26.065	24.175	1.440	26.226	24.141	1.635
3.002	32.715	399.0	450	Circular_Default Sewer Type	26.226	24.141	1.635	26.618	24.059	2.109
3.003	58.891	400.6	450	Circular_Default Sewer Type	26.618	24.059	2.109	26.187	23.912	1.825
3.004	53.887	399.2	450	Circular_Default Sewer Type	26.187	23.912	1.825	26.090	23.777	1.863
3.005	22.778	399.6	450	Circular_Default Sewer Type	26.090	23.777	1.863	26.023	23.720	1.853
1.004	57.803	398.6	450	Circular_Default Sewer Type	26.023	23.720	1.853	25.574	23.575	1.549
1.005	33.383	402.2	525	Circular_Default Sewer Type	25.574	23.500	1.549	25.325	23.417	1.383
4.000	24.278	398.0	450	Circular_Default Sewer Type	26.234	23.747	2.037	26.586	23.686	2.450
4.001	33.377	402.1	450	Circular_Default Sewer Type	26.586	23.686	2.450	25.711	23.603	1.658
4.002	28.971	402.4	450	Circular_Default Sewer Type	25.711	23.603	1.658	25.256	23.531	1.275
4.003	15.401	394.9	450	Circular_Default Sewer Type	25.256	23.531	1.275	25.325	23.492	1.383
1.006	17.009	395.6	525	Circular_Default Sewer Type	25.325	23.417	1.383	25.000	23.374	1.101
5.000	15.388	76.9	525	Circular_Default Sewer Type	25.000	23.225	1.250	24.825	23.025	1.275
6.000	16.614	395.6	525	Circular_Default Sewer Type	24.957	23.067	1.365	24.825	23.025	1.275
5.001	30.222	220.6	300	Circular_Default Sewer Type	24.825	23.025	1.500	24.436	22.888	1.248
5.002	44.878	46.9	300	Circular_Default Sewer Type	24.436	22.888	1.248	24.775	21.932	2.543
5.003	58.797	400.0	600	Circular_Default Sewer Type	24.775	21.632	2.543	24.111	21.485	2.026
7.000	11.928	168.0	225	Circular_Default Sewer Type	24.102	22.602	1.275	24.111	22.531	1.355
5.004	13.527	397.9	600	Circular_Default Sewer Type	24.111	21.485	2.026	23.842	21.451	1.791

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	201	1800	Manhole	Adoptable	202	1800	Manhole	Adoptable
1.001	202	1800	Manhole	Adoptable	203	1800	Manhole	Adoptable
1.002	203	1800	Manhole	Adoptable	205	1800	Manhole	Adoptable
2.000	204	1800	Manhole	Adoptable	205	1800	Manhole	Adoptable
1.003	205	1800	Manhole	Adoptable	212	1800	Manhole	Adoptable
3.000	206	1800	Manhole	Adoptable	207	1800	Manhole	Adoptable
3.001	207	1800	Manhole	Adoptable	208	1800	Manhole	Adoptable
3.002	208	1800	Manhole	Adoptable	209	1800	Manhole	Adoptable
3.003	209	1800	Manhole	Adoptable	210	1800	Manhole	Adoptable
3.004	210	1800	Manhole	Adoptable	211	1800	Manhole	Adoptable
3.005	211	1800	Manhole	Adoptable	212	1800	Manhole	Adoptable
1.004	212	1800	Manhole	Adoptable	213	1800	Manhole	Adoptable
1.005	213	1800	Manhole	Adoptable	218	1800	Manhole	Adoptable
4.000	214	1500	Manhole	Adoptable	215	1500	Manhole	Adoptable
4.001	215	1500	Manhole	Adoptable	216	1500	Manhole	Adoptable
4.002	216	1500	Manhole	Adoptable	217	1800	Manhole	Adoptable
4.003	217	1800	Manhole	Adoptable	218	1800	Manhole	Adoptable
1.006	218	1800	Manhole	Adoptable	219		Junction	
5.000	220	1800	Manhole	Adoptable	222	2100	Manhole	Adoptable
6.000	221	1800	Manhole	Adoptable	222	2100	Manhole	Adoptable
5.001	222	2100	Manhole	Adoptable	223	1500	Manhole	Adoptable
5.002	223	1500	Manhole	Adoptable	224	1500	Manhole	Adoptable
5.003	224	1500	Manhole	Adoptable	226	1800	Manhole	Adoptable
7.000	225	1800	Manhole	Adoptable	226	1800	Manhole	Adoptable
5.004	226	1800	Manhole	Adoptable	227	1800	Manhole	Adoptable

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
5.005	11.041	394.3	600	Circular_Default Sewer Type	23.842	21.451	1.791	23.710	21.423	1.687
5.006	60.023	400.2	600	Circular_Default Sewer Type	23.710	21.423	1.687	23.294	21.273	1.421
5.007	71.950	399.7	600	Circular_Default Sewer Type	23.294	21.273	1.421	23.165	21.093	1.472
5.008	39.973	388.1	600	Circular_Default Sewer Type	23.165	21.093	1.472	23.110	20.990	1.520
8.000	32.302	16.6	225	Circular_Default Sewer Type	25.265	23.840	1.200	25.583	21.895	3.463
9.000	20.986	11.8	225	Circular_Default Sewer Type	26.005	24.580	1.200	25.583	22.795	2.563
8.001	72.073	400.4	600	Circular_Default Sewer Type	25.583	21.520	3.463	24.342	21.340	2.402
8.002	11.908	396.9	600	Circular_Default Sewer Type	24.342	21.340	2.402	24.156	21.310	2.246
10.000	33.463	168.2	300	Circular_Default Sewer Type	25.044	23.544	1.200	25.500	23.345	1.855
10.001	49.216	99.6	300	Circular_Default Sewer Type	25.500	23.345	1.855	24.426	22.851	1.275
10.002	30.870	28.1	300	Circular_Default Sewer Type	24.426	22.851	1.275	23.787	21.754	1.733
11.000	61.133	47.5	300	Circular_Default Sewer Type	24.541	23.041	1.200	23.787	21.754	1.733
10.003	50.950	401.2	600	Circular_Default Sewer Type	23.787	21.454	1.733	24.081	21.327	2.154
10.004	6.715	395.0	600	Circular_Default Sewer Type	24.081	21.327	2.154	24.156	21.310	2.246
8.003	18.716	398.2	600	Circular_Default Sewer Type	24.156	21.310	2.246	23.848	21.263	1.985
8.004	26.365	399.5	600	Circular_Default Sewer Type	23.848	21.263	1.985	23.445	21.197	1.648
8.005	19.798	404.0	600	Circular_Default Sewer Type	23.445	21.197	1.648	23.367	21.148	1.619
12.000	64.418	400.1	600	Circular_Default Sewer Type	24.312	21.519	2.193	24.213	21.358	2.255
12.001	24.074	401.2	600	Circular_Default Sewer Type	24.213	21.358	2.255	23.908	21.298	2.010
12.002	60.586	401.2	600	Circular_Default Sewer Type	23.908	21.298	2.010	23.367	21.147	1.620
8.006	53.615	400.1	600	Circular_Default Sewer Type	23.367	21.147	1.620	23.268	21.013	1.655
8.007	9.754	424.1	600	Circular_Default Sewer Type	23.268	21.013	1.655	23.110	20.990	1.520
5.009	16.317	398.0	750	Circular_Default Sewer Type	23.110	20.840	1.520	22.000	20.799	0.451
5.013	13.676	402.2	750	Circular_Default Sewer Type	22.000	20.050	1.200	22.000	20.016	1.234
5.014	10.566	25.0	375	Circular_Default Sewer Type	22.000	20.016	1.609	21.906	19.593	1.938

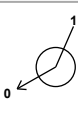
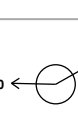
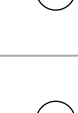
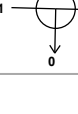
Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
5.005	227	1800	Manhole	Adoptable	228	1800	Manhole	Adoptable
5.006	228	1800	Manhole	Adoptable	229	1800	Manhole	Adoptable
5.007	229	1800	Manhole	Adoptable	230	1800	Manhole	Adoptable
5.008	230	1800	Manhole	Adoptable	249	2100	Manhole	Adoptable
8.000	231	1500	Manhole	Adoptable	233	1800	Manhole	Adoptable
9.000	232	1500	Manhole	Adoptable	233	1800	Manhole	Adoptable
8.001	233	1800	Manhole	Adoptable	234	1800	Manhole	Adoptable
8.002	234	1800	Manhole	Adoptable	241	1800	Manhole	Adoptable
10.000	235	1500	Manhole	Adoptable	236	1500	Manhole	Adoptable
10.001	236	1500	Manhole	Adoptable	237	1500	Manhole	Adoptable
10.002	237	1500	Manhole	Adoptable	239	2100	Manhole	Adoptable
11.000	238	1500	Manhole	Adoptable	239	2100	Manhole	Adoptable
10.003	239	2100	Manhole	Adoptable	240	1800	Manhole	Adoptable
10.004	240	1800	Manhole	Adoptable	241	1800	Manhole	Adoptable
8.003	241	1800	Manhole	Adoptable	242	1800	Manhole	Adoptable
8.004	242	1800	Manhole	Adoptable	243	1800	Manhole	Adoptable
8.005	243	1800	Manhole	Adoptable	247	1800	Manhole	Adoptable
12.000	244	1800	Manhole	Adoptable	245	1800	Manhole	Adoptable
12.001	245	1800	Manhole	Adoptable	246	1800	Manhole	Adoptable
12.002	246	1800	Manhole	Adoptable	247	1800	Manhole	Adoptable
8.006	247	1800	Manhole	Adoptable	248	1800	Manhole	Adoptable
8.007	248	1800	Manhole	Adoptable	249	2100	Manhole	Adoptable
5.009	249	2100	Manhole	Adoptable	251		Junction	
5.013	253	1800	Manhole	Adoptable	254	3000	Manhole	Adoptable
5.014	254	3000	Manhole	Adoptable	258	2700	Manhole	Adoptable

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
13.000	66.868	400.4	900	Circular_Default Sewer Type	21.922	16.952	4.070	21.998	16.785	4.313
13.001	9.987	399.5	1200	Circular_Default Sewer Type	21.998	16.485	4.313	22.045	16.460	4.385
13.002	9.159	398.2	1500	Circular_Default Sewer Type	22.045	16.160	4.385	21.906	16.137	4.269
5.015	10.361	398.5	1500	Circular_Default Sewer Type	21.906	16.137	4.269	21.538	16.111	3.927
5.016	44.670	398.8	1500	Circular_Default Sewer Type	21.538	16.111	3.927	19.289	15.999	1.790
5.017	12.462	239.7	375	Circular_Default Sewer Type	19.289	15.999	2.915	18.982	15.947	2.660
5.018	24.866	239.1	375	Circular_Default Sewer Type	18.982	15.952	2.655	17.977	15.848	1.754
5.019	26.536	239.1	375	Circular_Default Sewer Type	17.977	15.848	1.754	17.468	15.737	1.356
5.021	24.339	59.1	375	Circular_Default Sewer Type	17.468	15.737	1.356	16.949	15.325	1.249
5.022	52.265	42.7	375	Circular_Default Sewer Type	16.949	15.325	1.249	15.000	14.100	0.525

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
13.000	255	2400	Manhole	Adoptable	256	2700	Manhole	Adoptable
13.001	256	2700	Manhole	Adoptable	257	2700	Manhole	Adoptable
13.002	257	2700	Manhole	Adoptable	258	2700	Manhole	Adoptable
5.015	258	2700	Manhole	Adoptable	259	2700	Manhole	Adoptable
5.016	259	2700	Manhole	Adoptable	260	2700	Manhole	Adoptable
5.017	260	2700	Manhole	Adoptable	261	1500	Manhole	Adoptable
5.018	261	1500	Manhole	Adoptable	262	1500	Manhole	Adoptable
5.019	262	1500	Manhole	Adoptable	263	1500	Manhole	Adoptable
5.021	263	1500	Manhole	Adoptable	264	1500	Manhole	Adoptable
5.022	264	1500	Manhole	Adoptable	265		Junction	

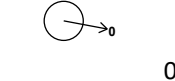
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
201	341303.439	398529.705	26.000	1.811	1800		0	1.000	24.189	450
202	341285.794	398489.401	26.281	2.202	1800		1	1.000	24.079	450
203	341273.582	398482.487	26.161	2.117	1800		0	1.001	24.079	450
						1	1.001	24.044	450	
204	341179.793	398484.684	26.476	1.528	1800		0	1.002	24.044	450
						0	2.000	24.948	225	
205	341203.092	398484.051	26.799	2.931	1800		1	2.000	24.093	225
						2	1.002	23.868	450	
						0	1.003	23.868	450	
206	341321.334	398482.227	26.048	1.828	1800		0	3.000	24.220	450

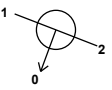
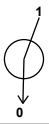
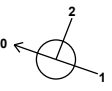
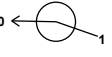
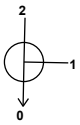
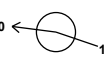
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
207	341332.233	398467.891	26.065	1.890	1800	1 0	1	3.000	24.175	450
							0	3.001	24.175	450
208	341336.532	398454.808	26.226	2.085	1800	1 0	1	3.001	24.141	450
							0	3.002	24.141	450
209	341337.391	398422.104	26.618	2.559	1800	1 0	1	3.002	24.059	450
							0	3.003	24.059	450
210	341278.513	398423.358	26.187	2.275	1800	0 1	1	3.003	23.912	450
							0	3.004	23.912	450
211	341224.638	398424.506	26.090	2.313	1800	0 1	1	3.004	23.777	450
							0	3.005	23.777	450
212	341201.865	398424.991	26.023	2.303	1800	2 0 1	1	3.005	23.720	450
							2	1.003	23.720	450
							0	1.004	23.720	450
213	341144.069	398425.858	25.574	2.074	1800	0 1	1	1.004	23.575	450
							0	1.005	23.500	525
214	341145.103	398492.307	26.234	2.487	1500	0				
							0	4.000	23.747	450
215	341122.392	398500.888	26.586	2.900	1500	1 0	1	4.000	23.686	450
							0	4.001	23.686	450
216	341110.897	398469.553	25.711	2.108	1500	1 0	1	4.001	23.603	450
							0	4.002	23.603	450
217	341105.936	398441.010	25.256	1.725	1800	1 0	1	4.002	23.531	450
							0	4.003	23.531	450
218	341110.690	398426.361	25.325	1.908	1800	1 0 2	1	4.003	23.492	450
							2	1.005	23.417	525
							0	1.006	23.417	525
219	341094.622	398420.783	25.000	1.771		1	1	1.006	23.374	525

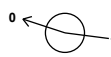
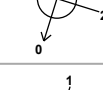
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
220	341095.815	398384.710	25.000	1.775	1800	 0	5.000	23.225	525
221	341110.998	398398.491	24.957	1.890	1800	 0	6.000	23.067	525
222	341110.940	398381.877	24.825	1.800	2100	1  2	6.000	23.025	525
						2  0	5.000	23.025	525
223	341110.872	398351.655	24.436	1.548	1500	1  0	6.000	23.025	525
						2  0	5.001	23.025	300
223	341110.872	398351.655	24.436	1.548	1500	1  0	5.001	22.888	300
224	341110.814	398306.777	24.775	3.143	1500	1  0	5.001	22.888	300
						2  0	5.002	22.888	300
224	341110.814	398306.777	24.775	3.143	1500	1  0	5.002	21.932	300
225	341117.234	398237.866	24.102	1.500	1800	1  0	5.002	21.632	600
						2  0	5.003	21.632	600
225	341117.234	398237.866	24.102	1.500	1800	0  0	7.000	22.602	225
226	341110.910	398247.980	24.111	2.626	1800	2  0	7.000	22.531	225
						1  0	5.003	21.485	600
227	341098.139	398243.520	23.842	2.391	1800	0  0	5.004	21.485	600
						1  0	5.004	21.451	600
227	341098.139	398243.520	23.842	2.391	1800	1  0	5.004	21.451	600
228	341087.117	398244.175	23.710	2.287	1800	0  0	5.005	21.451	600
						1  0	5.005	21.423	600
229	341030.346	398263.665	23.294	2.021	1800	0  0	5.006	21.423	600
						1  0	5.006	21.273	600
229	341030.346	398263.665	23.294	2.021	1800	1  0	5.006	21.273	600
230	340962.275	398286.970	23.165	2.072	1800	0  0	5.007	21.273	600
						1  0	5.007	21.093	600
230	340962.275	398286.970	23.165	2.072	1800	1  0	5.007	21.093	600
231	341011.541	398478.569	25.265	1.425	1500	0  0	5.008	21.093	600
						1  0	8.000	23.840	225
231	341011.541	398478.569	25.265	1.425	1500	0  0	8.000	23.840	225
232	340961.860	398497.840	26.005	1.425	1500	0  0	9.000	24.580	225
						1  0	9.000	24.580	225

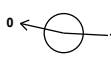
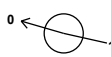
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
233	340981.440	398490.288	25.583	4.063	1800		1	9.000	225
							2	8.000	225
							0	8.001	21.520 600
234	340956.567	398422.643	24.342	3.002	1800		1	8.001	21.340 600
							0	8.002	21.340 600
235	341071.311	398456.339	25.044	1.500	1500		0	10.000	23.544 300
236	341040.122	398468.465	25.500	2.155	1500		1	10.000	23.345 300
							0	10.001	23.345 300
237	341022.287	398422.594	24.426	1.575	1500		1	10.001	22.851 300
							0	10.002	22.851 300
238	341068.921	398373.973	24.541	1.500	1500		0	11.000	23.041 300
							1	11.000	21.754 300
239	341011.100	398393.822	23.787	2.333	2100		2	10.002	21.754 300
							0	10.003	21.454 600
							1	10.003	21.327 600
240	340962.994	398410.606	24.081	2.754	1800		0	10.004	21.327 600
							1	10.004	21.310 600
241	340956.280	398410.738	24.156	2.846	1800		2	8.002	21.310 600
							0	8.003	21.310 600
242	340955.912	398392.026	23.848	2.585	1800		1	8.003	21.263 600
							0	8.004	21.263 600
243	340947.638	398366.993	23.445	2.248	1800		1	8.004	21.197 600
							0	8.005	21.197 600
244	341073.154	398314.107	24.312	2.793	1800		0	12.000	21.519 600
245	341012.160	398334.828	24.213	2.855	1800		1	12.000	21.358 600
							0	12.001	21.358 600

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
246	340988.282	398337.897	23.908	2.610	1800		1	12.001	21.298	600
							0	12.002	21.298	600
247	340930.701	398356.741	23.367	2.220	1800		1	12.002	21.147	600
							2	8.005	21.148	600
							0	8.006	21.147	600
248	340916.552	398305.027	23.268	2.255	1800		1	8.006	21.013	600
							0	8.007	21.013	600
249	340924.113	398298.865	23.110	2.270	2100		1	8.007	20.990	600
							2	5.008	20.990	600
							0	5.009	20.840	750
251	340919.275	398283.282	22.000	1.938			1	5.009	20.799	750
253	340883.968	398172.442	22.000	1.950	1800					
							0	5.013	20.050	750
254	340880.040	398159.342	22.000	1.984	3000		1	5.013	20.016	750
							0	5.014	20.016	375
255	340913.022	398226.885	21.922	4.970	2400					
							0	13.000	16.952	900
256	340893.178	398163.029	21.998	5.513	2700		1	13.000	16.785	900
							0	13.001	16.485	1200
257	340886.617	398155.499	22.045	5.885	2700		1	13.001	16.460	1200
							0	13.002	16.160	1500
258	340880.391	398148.782	21.906	5.769	2700		1	13.002	16.137	1500
							2	5.014	19.593	375
							0	5.015	16.137	1500
259	340876.924	398139.018	21.538	5.427	2700		1	5.015	16.111	1500
							0	5.016	16.111	1500
260	340877.118	398094.348	19.289	3.290	2700		1	5.016	15.999	1500
							0	5.017	15.999	375

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
261	340877.148	398081.886	18.982	3.035	1500		1	5.017	15.947	375
							0	5.018	15.952	375
262	340825.876	398084.546	17.977	2.129	1500		1	5.018	15.848	375
							0	5.019	15.848	375
263	340800.635	398090.194	17.468	1.731	1500		1	5.019	15.737	375
							0	5.021	15.737	375
264	340777.252	398096.951	16.949	1.624	1500		1	5.021	15.325	375
							0	5.022	15.325	375
265	340760.040	398047.601	15.000	0.900			1	5.022	14.100	375

Simulation Settings

Rainfall Methodology	FEH-22	Analysis Speed	Detailed	Starting Level (m)
Rainfall Events	Singular	Skip Steady State	✓	Check Discharge Rate(s) ✓
Summer CV	0.750	Drain Down Time (mins)	240	Check Discharge Volume ✓
Winter CV	0.840	Additional Storage (m³/ha)	20.0	100 year 360 minute (m³)

Storm Durations

15	60	180	360	600	960	2160	4320
30	120	240	480	720	1440	2880	

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

Pre-development Discharge Rate

Site Makeup	Greenfield	Growth Factor 30 year	1.95
Greenfield Method	IH124	Growth Factor 100 year	2.48
Positively Drained Area (ha)		Betterment (%)	0
SAAR (mm)		QBar	
Soil Index	1	Q 1 year (l/s)	
SPR	0.10	Q 30 year (l/s)	
Region	1	Q 100 year (l/s)	
Growth Factor 1 year	0.85		

Pre-development Discharge Volume

Site Makeup	Greenfield	Return Period (years)	100
Greenfield Method	FSR/FEH	Climate Change (%)	0
Positively Drained Area (ha)		Storm Duration (mins)	360
Soil Index	1	Betterment (%)	0
SPR	0.10	PR	
CWI		Runoff Volume (m ³)	

Node 222 Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	x	Sump Available	✓
Invert Level (m)	23.025	Product Number	CTL-SHE-0228-3000-1675-3000
Design Depth (m)	1.675	Min Outlet Diameter (m)	0.300
Design Flow (l/s)	30.0	Min Node Diameter (mm)	2100

Node 254 Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	x	Sump Available	✓
Invert Level (m)	20.016	Product Number	CTL-SHE-0332-6950-1550-6950
Design Depth (m)	1.550	Min Outlet Diameter (m)	0.375
Design Flow (l/s)	69.5	Min Node Diameter (mm)	2700

Node 260 Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	x	Sump Available	✓
Invert Level (m)	15.999	Product Number	CTL-SHE-0307-7250-3700-7250
Design Depth (m)	3.700	Min Outlet Diameter (m)	0.000
Design Flow (l/s)	72.5	Min Node Diameter (mm)	0

Node 220 Flow through Pond Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Main Channel Length (m)	36.100
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	23.225	Main Channel Slope (1:X)	10000.0
Safety Factor	2.0	Time to half empty (mins)	222	Main Channel n	0.035

Inlets

219

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)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	135.3	135.3	0.500	236.2	239.0	1.000	366.1	372.5	1.500	522.1	532.8
0.100	149.8	150.4	0.600	260.2	263.6	1.100	395.2	402.4	1.600	557.1	568.8
0.200	169.9	171.0	0.700	285.2	289.3	1.200	425.3	433.3	1.700	593.4	606.1
0.300	191.1	192.7	0.800	311.1	315.9	1.300	456.4	465.3			
0.400	213.1	215.3	0.900	338.0	343.6	1.400	488.6	498.4			

Node 210 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	24.350
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	4

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	40.0	40.0	0.400	40.0	49.0	0.401	0.0	49.0

Node 211 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	24.350
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	3

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	40.0	40.0	0.400	40.0	49.0	0.401	0.0	49.0

Node 213 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	24.350
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	78

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	40.0	40.0	0.400	40.0	49.0	0.401	0.0	49.0

Node 253 Flow through Pond Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Main Channel Length (m)	125.000
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	20.050	Main Channel Slope (1:X)	10000.0
Safety Factor	2.0	Time to half empty (mins)		Main Channel n	0.035

Inlets

251

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)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	25.7	25.7	0.500	708.9	709.5	1.000	1213.3	1217.3	1.500	1652.7	1661.8
0.100	101.2	101.2	0.600	877.5	878.4	1.100	1299.5	1304.4	1.600	1743.2	1753.5
0.200	209.8	209.9	0.700	960.3	961.9	1.200	1386.5	1392.4	1.700	1843.6	1855.0
0.300	343.8	344.1	0.800	1043.7	1046.1	1.300	1474.4	1481.3	1.800	1927.2	1940.0
0.400	505.6	506.0	0.900	1128.1	1131.3	1.400	1563.1	1571.1			

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.42%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	201	10	24.304	0.115	24.3	0.5223	0.0000	OK
15 minute winter	202	11	24.228	0.149	26.0	0.4014	0.0000	OK
15 minute winter	203	11	24.215	0.171	51.2	0.7717	0.0000	OK
15 minute winter	204	10	25.013	0.065	17.7	0.2803	0.0000	OK
15 minute winter	205	12	24.073	0.205	71.0	0.5618	0.0000	OK
15 minute winter	206	11	24.293	0.073	9.2	0.2419	0.0000	OK
15 minute winter	207	11	24.280	0.105	16.7	0.3316	0.0000	OK
15 minute winter	208	11	24.252	0.111	21.3	0.3230	0.0000	OK
15 minute winter	209	11	24.192	0.133	32.6	0.4314	0.0000	OK
15 minute winter	210	12	24.069	0.157	45.1	0.5524	0.0000	OK
15 minute winter	211	13	24.021	0.244	51.7	0.7827	0.0000	OK
15 minute winter	212	13	24.010	0.290	123.2	0.9657	0.0000	OK
15 minute winter	213	13	23.796	0.296	124.0	1.0450	0.0000	OK
15 minute winter	214	10	23.849	0.102	17.5	0.2865	0.0000	OK
15 minute winter	215	11	23.803	0.117	24.2	0.2488	0.0000	OK
15 minute winter	216	11	23.762	0.159	39.2	0.4642	0.0000	OK
15 minute winter	217	13	23.729	0.198	45.7	0.6316	0.0000	OK
15 minute winter	218	13	23.721	0.304	165.1	1.0073	0.0000	OK
120 minute winter	219	90	23.688	0.460	73.6	0.0469	0.0000	OK
120 minute winter	220	90	23.688	0.463	99.0	1.1778	0.0000	OK
120 minute winter	221	92	23.686	0.619	19.2	2.0539	0.0000	SURCHARGED
120 minute winter	222	92	23.687	0.662	69.5	2.6149	0.0000	SURCHARGED
30 minute winter	223	19	23.009	0.121	53.8	0.6185	0.0000	OK
30 minute summer	224	19	21.807	0.175	66.1	0.4627	0.0000	OK
15 minute winter	225	10	22.731	0.129	22.8	0.6219	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 winter	201	1.000	202	23.7	0.642	0.148	1.6982	
15 minute winter	202	1.001	203	25.0	0.507	0.156	0.7083	
15 minute winter	203	1.002	205	50.5	0.814	0.315	4.3782	
15 minute winter	204	2.000	205	17.4	1.860	0.174	0.2178	
15 minute winter	205	1.003	212	69.0	0.826	0.429	5.1499	
15 minute winter	206	3.000	207	8.9	0.405	0.055	0.4021	
15 minute winter	207	3.001	208	16.4	0.566	0.103	0.4001	
15 minute winter	208	3.002	209	21.3	0.615	0.132	1.1327	
15 minute winter	209	3.003	210	31.4	0.718	0.196	2.5905	
15 minute winter	210	3.004	211	43.6	0.725	0.271	3.6331	
15 minute winter	211	3.005	212	46.1	0.536	0.287	2.2332	
15 minute winter	212	1.004	213	116.1	1.208	0.722	5.5834	
15 minute winter	213	1.005	218	123.4	0.982	0.514	4.2605	
15 minute winter	214	4.000	215	17.1	0.589	0.106	0.7128	
15 minute winter	215	4.001	216	23.9	0.582	0.149	1.3763	
15 minute winter	216	4.002	217	38.8	0.727	0.242	1.6426	
15 minute winter	217	4.003	218	42.4	0.809	0.262	1.1438	
15 minute winter	218	1.006	219	164.5	1.355	0.678	2.0636	
120 minute winter	219	Flow through Pond	220	99.0	0.127	0.032	82.1003	
120 minute winter	220	5.000	222	67.7	0.636	0.122	3.2132	
120 minute winter	221	6.000	222	-16.2	0.184	-0.067	3.5892	
120 minute winter	222	5.001	223	30.0	1.240	0.403	0.7962	
30 minute winter	223	5.002	224	52.3	2.029	0.322	1.1577	
30 minute summer	224	5.003	226	66.6	0.753	0.194	5.2195	
15 minute winter	225	7.000	226	22.1	0.995	0.553	0.2662	

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.42%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	226	12	21.736	0.251	90.6	0.7625	0.0000	OK
15 minute winter	227	12	21.706	0.255	96.9	0.8056	0.0000	OK
15 minute winter	228	12	21.668	0.245	113.3	0.9551	0.0000	OK
15 minute winter	229	12	21.542	0.269	136.6	1.2638	0.0000	OK
15 minute winter	230	13	21.378	0.285	153.9	1.2448	0.0000	OK
15 minute winter	231	10	23.901	0.061	20.2	0.2373	0.0000	OK
15 minute winter	232	10	24.628	0.048	14.8	0.1601	0.0000	OK
15 minute winter	233	11	21.676	0.156	54.8	0.5161	0.0000	OK
15 minute winter	234	12	21.632	0.292	60.5	0.8526	0.0000	OK
15 minute winter	235	10	23.662	0.118	26.6	0.5206	0.0000	OK
15 minute winter	236	11	23.449	0.104	27.2	0.1931	0.0000	OK
15 minute winter	237	11	22.941	0.090	38.6	0.2610	0.0000	OK
15 minute winter	238	10	23.131	0.090	31.8	0.4423	0.0000	OK
15 minute winter	239	11	21.675	0.221	93.3	1.1295	0.0000	OK
15 minute winter	240	12	21.639	0.312	97.0	0.8723	0.0000	OK
15 minute winter	241	12	21.628	0.318	146.3	0.8850	0.0000	OK
15 minute winter	242	12	21.579	0.316	146.7	0.8361	0.0000	OK
15 minute winter	243	13	21.529	0.332	154.6	1.1432	0.0000	OK
15 minute winter	244	11	21.600	0.081	14.7	0.2701	0.0000	OK
15 minute winter	245	14	21.486	0.128	27.9	0.4222	0.0000	OK
15 minute winter	246	13	21.483	0.185	55.0	0.7961	0.0000	OK
15 minute winter	247	13	21.482	0.335	190.2	0.8522	0.0000	OK
15 minute winter	248	13	21.342	0.329	187.7	0.8378	0.0000	OK
15 minute winter	249	13	21.230	0.390	340.7	1.5064	0.0000	OK
120 minute winter	251	98	20.658	0.595	173.0	0.3808	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 winter	226	5.004	227	89.1	0.798	0.260	1.5243	
15 minute winter	227	5.005	228	97.1	0.881	0.282	1.2268	
15 minute winter	228	5.006	229	113.8	0.987	0.332	6.9214	
15 minute winter	229	5.007	230	134.2	1.069	0.392	9.0660	
15 minute winter	230	5.008	249	150.9	1.244	0.434	4.8504	
15 minute winter	231	8.000	233	19.8	2.323	0.155	0.2760	
15 minute winter	232	9.000	233	14.6	2.398	0.096	0.1278	
15 minute winter	233	8.001	234	53.5	0.707	0.156	6.8797	
15 minute winter	234	8.002	241	52.7	0.380	0.153	1.7132	
15 minute winter	235	10.000	236	26.0	1.108	0.304	0.7860	
15 minute winter	236	10.001	237	27.3	1.384	0.245	0.9703	
15 minute winter	237	10.002	239	38.6	2.243	0.184	0.5314	
15 minute winter	238	11.000	239	30.7	1.767	0.190	1.0627	
15 minute winter	239	10.003	240	92.7	0.826	0.271	6.1105	
15 minute winter	240	10.004	241	90.1	0.644	0.261	1.0068	
15 minute winter	241	8.003	242	145.3	0.979	0.423	2.8266	
15 minute winter	242	8.004	243	144.1	0.931	0.420	4.0848	
15 minute winter	243	8.005	247	153.1	0.954	0.449	3.1779	
15 minute winter	244	12.000	245	14.0	0.465	0.041	2.0098	
15 minute winter	245	12.001	246	26.3	0.537	0.077	1.3837	
15 minute winter	246	12.002	247	51.1	0.663	0.149	7.1386	
15 minute winter	247	8.006	248	187.7	1.173	0.548	8.5770	
15 minute winter	248	8.007	249	186.4	1.301	0.561	1.3970	
15 minute winter	249	5.009	251	339.9	1.554	0.551	3.5717	
120 minute winter	251	Flow through Pond	253	128.1	0.183	0.038	232.4425	

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.42%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	253	98	20.657	0.607	128.1	1.5444	0.0000	OK
120 minute winter	254	98	20.656	0.640	70.3	4.5229	0.0000	SURCHARGED
15 minute winter	255	11	17.036	0.084	19.5	0.4300	0.0000	OK
240 minute winter	256	236	16.918	0.433	7.1	2.6219	0.0000	OK
240 minute winter	257	236	16.918	0.758	6.1	4.3387	0.0000	OK
240 minute winter	258	236	16.918	0.781	72.4	4.5055	0.0000	OK
240 minute winter	259	236	16.918	0.807	73.9	5.0338	0.0000	OK
240 minute winter	260	236	16.917	0.918	71.6	5.6441	0.0000	SURCHARGED
240 minute winter	261	236	16.163	0.216	70.1	0.3818	0.0000	OK
240 minute winter	262	236	16.047	0.199	70.1	0.3518	0.0000	OK
240 minute winter	263	236	15.879	0.142	70.1	0.2508	0.0000	OK
240 minute winter	264	236	15.447	0.122	70.1	0.2162	0.0000	OK
240 minute winter	265	236	14.220	0.120	70.1	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)
120 minute winter	253	5.013	254	70.3	0.463	0.115	5.3461	
120 minute winter	254	5.014	258	69.3	2.543	0.173	0.2884	
15 minute winter	255	13.000	256	17.5	0.656	0.018	1.8078	
240 minute winter	256	13.001	257	6.1	0.564	0.003	3.7984	
240 minute winter	257	13.002	258	7.3	0.243	0.002	8.3265	
240 minute winter	258	5.015	259	70.6	0.490	0.019	9.7974	
240 minute winter	259	5.016	260	70.5	0.197	0.019	46.7956	
240 minute winter	260	5.017	261	70.1	1.036	0.544	0.8434	
240 minute winter	261	5.018	262	70.1	1.137	0.544	1.5327	
240 minute winter	262	5.019	263	70.1	1.439	0.544	1.2950	
240 minute winter	263	5.021	264	70.1	2.023	0.269	0.8442	
240 minute winter	264	5.022	265	70.1	2.274	0.228	1.6111	931.1

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.37%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	201	13	24.420	0.231	56.0	1.0540	0.0000	OK
15 minute winter	202	13	24.403	0.324	58.6	0.8746	0.0000	OK
15 minute winter	203	12	24.396	0.352	116.5	1.5872	0.0000	OK
15 minute winter	204	10	25.052	0.104	41.0	0.4460	0.0000	OK
15 minute winter	205	13	24.357	0.489	157.0	1.3368	0.0000	SURCHARGED
15 minute winter	206	14	24.380	0.160	21.3	0.5268	0.0000	OK
15 minute winter	207	11	24.347	0.172	38.3	0.5445	0.0000	OK
15 minute winter	208	13	24.359	0.218	48.7	0.6350	0.0000	OK
15 minute winter	209	13	24.350	0.291	74.8	0.9447	0.0000	OK
15 minute winter	210	12	24.350	0.438	106.3	1.5513	0.0000	OK
15 minute winter	211	12	24.311	0.534	96.9	1.7085	0.0000	SURCHARGED
15 minute winter	212	12	24.286	0.566	219.2	1.8823	0.0000	SURCHARGED
60 minute winter	213	61	24.193	0.693	173.0	2.4462	0.0000	SURCHARGED
60 minute winter	214	62	24.192	0.445	20.8	1.2558	0.0000	OK
60 minute winter	215	62	24.192	0.506	29.2	1.0794	0.0000	SURCHARGED
60 minute winter	216	61	24.193	0.590	46.7	1.7244	0.0000	SURCHARGED
60 minute winter	217	61	24.193	0.662	51.3	2.1066	0.0000	SURCHARGED
60 minute winter	218	61	24.193	0.776	214.0	2.5691	0.0000	SURCHARGED
60 minute winter	219	62	24.193	0.964	202.5	0.0983	0.0000	OK
60 minute winter	220	62	24.193	0.968	155.1	2.4640	0.0000	SURCHARGED
60 minute winter	221	62	24.192	1.125	20.5	3.7329	0.0000	SURCHARGED
60 minute winter	222	62	24.192	1.167	68.2	4.6117	0.0000	SURCHARGED
15 minute winter	223	11	23.073	0.185	108.0	0.9473	0.0000	OK
15 minute winter	224	12	21.961	0.329	145.9	0.8709	0.0000	OK
15 minute winter	225	11	22.878	0.276	52.6	1.3316	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 winter	201	1.000	202	53.4	0.715	0.332	4.4944	
15 minute winter	202	1.001	203	55.7	0.536	0.347	1.7905	
15 minute winter	203	1.002	205	107.0	0.921	0.666	10.2747	
15 minute winter	204	2.000	205	41.4	2.256	0.414	0.6543	
15 minute winter	205	1.003	212	120.7	0.926	0.750	9.3597	
15 minute winter	206	3.000	207	20.1	0.440	0.125	0.9428	
15 minute winter	207	3.001	208	37.4	0.657	0.234	0.8796	
15 minute winter	208	3.002	209	48.7	0.729	0.303	3.0135	
15 minute winter	209	3.003	210	74.1	0.830	0.461	7.6166	
15 minute winter	210	3.004	211	77.2	0.783	0.480	8.5063	
15 minute winter	211	3.005	212	89.2	0.578	0.555	3.6090	
15 minute winter	212	1.004	213	213.9	1.350	1.329	9.0533	
60 minute winter	213	1.005	218	165.9	0.991	0.690	7.2118	
60 minute winter	214	4.000	215	20.8	0.595	0.129	3.8436	
60 minute winter	215	4.001	216	27.4	0.566	0.171	5.2884	
60 minute winter	216	4.002	217	42.8	0.641	0.268	4.5903	
60 minute winter	217	4.003	218	48.1	0.619	0.297	2.4402	
60 minute winter	218	1.006	219	201.1	1.416	0.829	3.6745	
60 minute winter	219	Flow through Pond	220	155.1	0.134	0.050	228.4626	
60 minute winter	220	5.000	222	63.7	0.527	0.115	3.3243	
60 minute winter	221	6.000	222	28.9	0.267	0.119	3.5892	
60 minute winter	222	5.001	223	30.0	1.242	0.403	0.9774	
15 minute winter	223	5.002	224	105.9	2.406	0.651	1.9750	
15 minute winter	224	5.003	226	139.9	0.782	0.408	11.2749	
15 minute winter	225	7.000	226	50.9	1.292	1.272	0.4481	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.37%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	226	12	21.932	0.447	209.6	1.3590	0.0000	OK
15 minute winter	227	12	21.901	0.450	222.7	1.4225	0.0000	OK
15 minute winter	228	12	21.862	0.439	263.5	1.7066	0.0000	OK
15 minute winter	229	12	21.760	0.487	316.0	2.2894	0.0000	OK
15 minute winter	230	12	21.602	0.509	350.9	2.2219	0.0000	OK
15 minute winter	231	10	23.936	0.096	46.5	0.3742	0.0000	OK
15 minute winter	232	10	24.655	0.075	34.2	0.2494	0.0000	OK
15 minute winter	233	13	21.915	0.395	126.9	1.3043	0.0000	OK
15 minute winter	234	12	21.909	0.569	120.0	1.6608	0.0000	OK
15 minute winter	235	10	23.739	0.195	61.2	0.8612	0.0000	OK
15 minute winter	236	11	23.513	0.168	62.9	0.3115	0.0000	OK
15 minute winter	237	11	22.993	0.142	88.9	0.4121	0.0000	OK
15 minute winter	238	10	23.184	0.143	73.3	0.7074	0.0000	OK
15 minute winter	239	12	21.944	0.490	218.5	2.4986	0.0000	OK
15 minute winter	240	12	21.919	0.592	209.9	1.6535	0.0000	OK
15 minute winter	241	12	21.905	0.595	300.6	1.6552	0.0000	OK
15 minute winter	242	12	21.850	0.587	299.8	1.5525	0.0000	OK
15 minute winter	243	12	21.785	0.588	319.6	2.0237	0.0000	OK
15 minute winter	244	13	21.758	0.239	33.9	0.7948	0.0000	OK
15 minute winter	245	14	21.740	0.382	65.4	1.2622	0.0000	OK
15 minute winter	246	14	21.738	0.440	110.8	1.8894	0.0000	OK
15 minute winter	247	12	21.718	0.571	378.8	1.4539	0.0000	OK
15 minute winter	248	13	21.545	0.532	364.6	1.3527	0.0000	OK
15 minute winter	249	13	21.441	0.601	715.3	2.3185	0.0000	OK
120 minute winter	251	122	21.044	0.981	329.8	0.6280	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 winter	226	5.004	227	201.2	0.906	0.586	3.0552	
15 minute winter	227	5.005	228	219.0	1.003	0.635	2.4692	
15 minute winter	228	5.006	229	257.2	1.131	0.751	13.9767	
15 minute winter	229	5.007	230	305.2	1.222	0.891	17.9741	
15 minute winter	230	5.008	249	344.3	1.430	0.990	9.6057	
15 minute winter	231	8.000	233	45.9	2.905	0.357	0.5099	
15 minute winter	232	9.000	233	33.9	3.017	0.222	0.2355	
15 minute winter	233	8.001	234	103.9	0.773	0.303	17.0217	
15 minute winter	234	8.002	241	103.2	0.400	0.300	3.3202	
15 minute winter	235	10.000	236	60.1	1.353	0.703	1.4844	
15 minute winter	236	10.001	237	62.8	1.722	0.564	1.8059	
15 minute winter	237	10.002	239	91.2	2.747	0.434	1.1708	
15 minute winter	238	11.000	239	71.9	2.196	0.445	2.2935	
15 minute winter	239	10.003	240	200.0	0.913	0.585	13.4335	
15 minute winter	240	10.004	241	198.4	0.745	0.576	1.8879	
15 minute winter	241	8.003	242	296.7	1.093	0.864	5.2540	
15 minute winter	242	8.004	243	295.2	1.079	0.862	7.3874	
15 minute winter	243	8.005	247	314.7	1.175	0.924	5.5123	
15 minute winter	244	12.000	245	32.1	0.539	0.094	9.2624	
15 minute winter	245	12.001	246	50.6	0.546	0.148	4.9485	
15 minute winter	246	12.002	247	87.5	0.732	0.256	15.0824	
15 minute winter	247	8.006	248	364.6	1.363	1.065	14.4943	
15 minute winter	248	8.007	249	366.7	1.601	1.103	2.3949	
15 minute winter	249	5.009	251	718.8	2.025	1.165	5.7781	
120 minute winter	251	Flow through Pond	253	203.6	0.227	0.060	634.9602	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.37%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	253	122	21.044	0.994	203.6	2.5305	0.0000	SURCHARGED
120 minute winter	254	122	21.043	1.027	72.4	7.2624	0.0000	SURCHARGED
480 minute winter	255	352	17.190	0.238	5.0	1.2165	0.0000	OK
600 minute winter	256	450	17.190	0.705	6.8	4.2708	0.0000	OK
600 minute winter	257	450	17.190	1.030	10.2	5.8973	0.0000	OK
600 minute winter	258	450	17.190	1.053	73.3	6.0765	0.0000	OK
600 minute winter	259	450	17.190	1.079	75.5	6.7334	0.0000	OK
600 minute winter	260	450	17.190	1.191	74.0	7.3177	0.0000	SURCHARGED
600 minute winter	261	450	16.167	0.220	72.3	0.3893	0.0000	OK
600 minute winter	262	450	16.051	0.203	72.3	0.3581	0.0000	OK
600 minute winter	263	450	15.881	0.144	72.3	0.2553	0.0000	OK
600 minute winter	264	450	15.449	0.124	72.3	0.2198	0.0000	OK
600 minute winter	265	450	14.222	0.122	72.3	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)
120 minute winter	253	5.013	254	72.4	0.528	0.118	6.0191	
120 minute winter	254	5.014	258	69.4	2.543	0.173	0.2885	
480 minute winter	255	13.000	256	5.0	0.450	0.005	13.6970	
600 minute winter	256	13.001	257	10.2	0.563	0.005	7.0206	
600 minute winter	257	13.002	258	13.8	0.238	0.004	11.9540	
600 minute winter	258	5.015	259	71.5	0.473	0.019	13.8694	
600 minute winter	259	5.016	260	72.1	0.187	0.019	63.7843	
600 minute winter	260	5.017	261	72.3	1.043	0.561	0.8641	
600 minute winter	261	5.018	262	72.3	1.146	0.561	1.5689	
600 minute winter	262	5.019	263	72.3	1.450	0.561	1.3248	
600 minute winter	263	5.021	264	72.3	2.038	0.277	0.8640	
600 minute winter	264	5.022	265	72.3	2.294	0.235	1.6476	2228.5

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.53%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	201	12	25.365	1.176	98.4	5.3584	0.0000	SURCHARGED
15 minute winter	202	12	25.325	1.246	104.4	3.3626	0.0000	SURCHARGED
15 minute winter	203	13	25.305	1.261	201.3	5.6881	0.0000	SURCHARGED
15 minute winter	204	12	25.397	0.449	71.9	1.9232	0.0000	SURCHARGED
15 minute winter	205	13	25.174	1.306	240.9	3.5730	0.0000	SURCHARGED
15 minute winter	206	14	25.137	0.917	37.3	3.0253	0.0000	SURCHARGED
15 minute winter	207	14	25.125	0.950	87.3	3.0116	0.0000	SURCHARGED
15 minute winter	208	14	25.122	0.981	80.1	2.8644	0.0000	SURCHARGED
15 minute winter	209	14	25.148	1.089	113.0	3.5358	0.0000	SURCHARGED
15 minute winter	210	14	25.097	1.185	154.4	19.4103	0.0000	SURCHARGED
15 minute winter	211	13	24.982	1.205	119.1	19.0957	0.0000	SURCHARGED
15 minute winter	212	14	24.953	1.233	328.0	4.1014	0.0000	SURCHARGED
120 minute winter	213	118	24.731	1.231	140.9	18.8417	0.0000	SURCHARGED
120 minute winter	214	118	24.730	0.983	21.9	2.7741	0.0000	SURCHARGED
120 minute winter	215	118	24.730	1.044	29.5	2.2277	0.0000	SURCHARGED
120 minute winter	216	118	24.730	1.127	48.8	3.2977	0.0000	SURCHARGED
120 minute winter	217	120	24.730	1.199	56.7	3.8167	0.0000	SURCHARGED
120 minute winter	218	120	24.730	1.313	193.9	4.3477	0.0000	SURCHARGED
120 minute winter	219	120	24.730	1.501	193.9	0.1531	0.0000	OK
120 minute winter	220	120	24.730	1.505	103.9	3.8311	0.0000	FLOOD RISK
120 minute winter	221	120	24.729	1.662	21.3	5.5138	0.0000	FLOOD RISK
120 minute winter	222	120	24.729	1.704	69.0	6.7356	0.0000	FLOOD RISK
15 minute winter	223	12	23.669	0.781	168.0	4.0043	0.0000	SURCHARGED
15 minute winter	224	12	22.990	1.358	216.7	3.5919	0.0000	SURCHARGED
15 minute winter	225	12	23.281	0.679	92.4	3.2782	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 winter	201	1.000	202	95.2	0.740	0.593	6.9710	
15 minute winter	202	1.001	203	95.2	0.601	0.593	2.2234	
15 minute winter	203	1.002	205	173.6	1.096	1.081	11.1714	
15 minute winter	204	2.000	205	66.9	2.439	0.669	0.9270	
15 minute winter	205	1.003	212	239.1	1.509	1.487	9.3597	
15 minute winter	206	3.000	207	57.2	0.457	0.356	2.8534	
15 minute winter	207	3.001	208	59.0	0.702	0.370	2.1819	
15 minute winter	208	3.002	209	67.3	0.763	0.418	5.1835	
15 minute winter	209	3.003	210	98.1	0.842	0.611	9.3309	
15 minute winter	210	3.004	211	100.2	0.801	0.623	8.5380	
15 minute winter	211	3.005	212	137.3	0.867	0.854	3.6090	
15 minute winter	212	1.004	213	298.2	1.882	1.853	9.1585	
120 minute winter	213	1.005	218	130.4	0.829	0.542	7.2118	
120 minute winter	214	4.000	215	20.6	0.554	0.128	3.8467	
120 minute winter	215	4.001	216	28.4	0.532	0.177	5.2884	
120 minute winter	216	4.002	217	47.5	0.605	0.297	4.5903	
120 minute winter	217	4.003	218	55.3	0.614	0.342	2.4402	
120 minute winter	218	1.006	219	192.4	1.148	0.794	3.6745	
120 minute winter	219	Flow through Pond	220	103.9	0.134	0.033	463.5837	
120 minute winter	220	5.000	222	67.7	0.693	0.122	3.3243	
120 minute winter	221	6.000	222	22.1	0.239	0.091	3.5892	
120 minute winter	222	5.001	223	30.0	1.230	0.402	0.9510	
15 minute winter	223	5.002	224	146.6	2.505	0.902	3.1603	
15 minute winter	224	5.003	226	184.6	0.795	0.539	16.5618	
15 minute winter	225	7.000	226	86.2	2.168	2.156	0.4744	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.53%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	226	12	22.932	1.447	296.1	4.3987	0.0000	SURCHARGED
15 minute winter	227	12	22.880	1.429	324.4	4.5201	0.0000	SURCHARGED
15 minute winter	228	12	22.820	1.397	392.7	5.4373	0.0000	SURCHARGED
15 minute winter	229	12	22.572	1.299	490.3	6.1069	0.0000	SURCHARGED
15 minute winter	230	12	22.141	1.048	570.8	4.5808	0.0000	SURCHARGED
15 minute winter	231	12	23.992	0.152	81.6	0.5918	0.0000	OK
15 minute winter	232	10	24.684	0.104	60.0	0.3442	0.0000	OK
15 minute winter	233	12	23.318	1.798	222.1	5.9306	0.0000	SURCHARGED
15 minute winter	234	12	23.254	1.914	235.4	5.5840	0.0000	SURCHARGED
15 minute winter	235	13	24.155	0.611	107.6	2.7016	0.0000	SURCHARGED
15 minute winter	236	13	23.999	0.654	107.1	1.2099	0.0000	SURCHARGED
15 minute winter	237	13	23.727	0.876	151.5	2.5490	0.0000	SURCHARGED
15 minute winter	238	13	23.790	0.749	128.7	3.7020	0.0000	SURCHARGED
15 minute winter	239	13	23.353	1.899	347.4	9.6885	0.0000	SURCHARGED
15 minute winter	240	13	23.264	1.937	300.0	5.4086	0.0000	SURCHARGED
15 minute winter	241	12	23.230	1.920	503.1	5.3450	0.0000	SURCHARGED
15 minute winter	242	12	23.081	1.818	490.1	4.8083	0.0000	SURCHARGED
15 minute winter	243	12	22.895	1.698	514.5	5.8456	0.0000	SURCHARGED
15 minute winter	244	13	22.741	1.222	123.9	4.0710	0.0000	SURCHARGED
15 minute winter	245	11	22.790	1.432	205.3	4.7257	0.0000	SURCHARGED
15 minute winter	246	11	22.792	1.494	219.8	6.4128	0.0000	SURCHARGED
15 minute winter	247	12	22.707	1.560	682.7	3.9698	0.0000	SURCHARGED
15 minute winter	248	12	22.023	1.010	684.2	2.5692	0.0000	SURCHARGED
15 minute winter	249	12	21.774	0.934	1268.2	3.6061	0.0000	SURCHARGED
240 minute winter	251	236	21.496	1.434	341.5	0.9176	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 winter	226	5.004	227	290.4	1.031	0.846	3.8102	
15 minute winter	227	5.005	228	324.9	1.154	0.942	3.1100	
15 minute winter	228	5.006	229	390.7	1.387	1.141	16.9071	
15 minute winter	229	5.007	230	487.7	1.732	1.424	20.2667	
15 minute winter	230	5.008	249	566.0	2.010	1.628	11.2595	
15 minute winter	231	8.000	233	79.9	3.246	0.622	1.1042	
15 minute winter	232	9.000	233	59.5	3.482	0.390	0.5637	
15 minute winter	233	8.001	234	205.1	0.810	0.599	20.3013	
15 minute winter	234	8.002	241	221.6	0.787	0.645	3.3542	
15 minute winter	235	10.000	236	102.2	1.472	1.196	2.3564	
15 minute winter	236	10.001	237	102.9	1.834	0.924	3.4658	
15 minute winter	237	10.002	239	132.3	2.813	0.629	2.1738	
15 minute winter	238	11.000	239	118.1	2.286	0.731	4.3049	
15 minute winter	239	10.003	240	282.7	1.004	0.827	14.3515	
15 minute winter	240	10.004	241	284.0	1.008	0.824	1.8915	
15 minute winter	241	8.003	242	483.5	1.717	1.409	5.2719	
15 minute winter	242	8.004	243	483.0	1.715	1.410	7.4264	
15 minute winter	243	8.005	247	525.6	1.866	1.543	5.5766	
15 minute winter	244	12.000	245	65.0	0.568	0.190	18.1451	
15 minute winter	245	12.001	246	-146.9	0.552	-0.430	6.7811	
15 minute winter	246	12.002	247	201.5	0.776	0.589	17.0657	
15 minute winter	247	8.006	248	684.2	2.429	1.998	15.1021	
15 minute winter	248	8.007	249	685.2	2.433	2.061	2.7475	
15 minute winter	249	5.009	251	1267.4	2.882	2.055	6.9951	
240 minute winter	251	Flow through Pond	253	205.2	0.221	0.061	1267.9069	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.53%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	253	236	21.497	1.447	205.2	3.6821	0.0000	SURCHARGED
240 minute winter	254	236	21.496	1.480	71.2	10.4611	0.0000	SURCHARGED
360 minute winter	255	416	19.021	2.069	10.7	10.5739	0.0000	SURCHARGED
360 minute winter	256	408	19.020	2.535	15.1	15.3597	0.0000	SURCHARGED
360 minute winter	257	408	19.020	2.860	9.6	16.3765	0.0000	SURCHARGED
360 minute winter	258	408	19.020	2.883	75.2	16.6380	0.0000	SURCHARGED
360 minute winter	259	408	19.020	2.909	80.4	18.1550	0.0000	SURCHARGED
360 minute winter	260	408	19.020	3.021	78.8	18.5636	0.0000	FLOOD RISK
60 minute winter	261	96	16.168	0.221	72.4	0.3898	0.0000	OK
60 minute winter	262	93	16.051	0.203	72.4	0.3585	0.0000	OK
600 minute winter	263	315	15.882	0.145	72.4	0.2556	0.0000	OK
180 minute summer	264	224	15.450	0.125	72.4	0.2200	0.0000	OK
180 minute summer	265	224	14.222	0.122	72.4	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)
240 minute winter	253	5.013	254	71.2	0.461	0.116	6.0191	
240 minute winter	254	5.014	258	69.4	2.543	0.173	0.2885	
360 minute winter	255	13.000	256	8.5	0.464	0.009	42.3792	
360 minute winter	256	13.001	257	9.6	0.563	0.005	11.2524	
360 minute winter	257	13.002	258	7.4	0.298	0.002	16.1243	
360 minute winter	258	5.015	259	72.5	0.458	0.019	18.2404	
360 minute winter	259	5.016	260	74.9	0.215	0.020	78.6408	
360 minute winter	260	5.017	261	72.4	1.043	0.563	0.8653	
60 minute winter	261	5.018	262	72.4	1.146	0.562	1.5712	
60 minute winter	262	5.019	263	72.4	1.451	0.562	1.3268	
600 minute winter	263	5.021	264	72.4	2.039	0.278	0.8653	
180 minute summer	264	5.022	265	72.4	2.295	0.236	1.6500	1607.2