

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
201	0.167	5.00	26.000	1800	341303.439	398529.705	1.811
202	0.050	5.00	26.281	1800	341285.794	398489.401	2.202
203	0.155	5.00	26.161	1800	341273.582	398482.487	2.117
204	0.111	5.00	26.476	1800	341179.793	398484.684	1.528
205	0.061	5.00	26.799	1800	341203.092	398484.051	2.931
206	0.077	5.00	26.048	1800	341321.334	398482.227	1.828
207	0.058	5.00	26.065	1800	341332.233	398467.891	1.890
208	0.039	5.00	26.226	1800	341336.532	398454.808	2.085
209	0.096	5.00	26.618	1800	341337.391	398422.104	2.559
TANK 1	0.000	5.00	26.187	1200	341278.376	398419.674	2.254
210	0.111	5.00	26.187	1800	341278.513	398423.358	2.275
TANK 2	0.000	5.00	26.090	1200	341224.501	398420.822	2.301
211	0.077	5.00	26.090	1800	341224.638	398424.506	2.313
212	0.125	5.00	25.948	1800	341201.865	398424.991	2.228
TANK 3	0.000	5.00	25.574	1200	341143.932	398422.174	2.053
213	0.164	5.00	25.574	1800	341144.069	398425.858	2.074
214	0.095	5.00	26.234	1500	341145.103	398492.307	2.487
215	0.085	5.00	26.586	1500	341122.392	398500.888	2.900
216	0.099	5.00	25.711	1500	341110.897	398469.553	2.108
217	0.066	5.00	25.256	1800	341105.936	398441.010	1.725
218	0.037	5.00	25.325	1800	341110.690	398426.361	1.908
219	0.000		25.000		341094.622	398420.783	1.771
220	0.000	5.00	25.000	1800	341095.815	398384.710	1.775
221	0.043	5.00	24.957	1800	341110.998	398398.491	1.890
222	0.125	5.00	24.825	2100	341110.940	398381.877	1.800
223	0.201	5.00	24.436	1500	341110.872	398351.655	1.548
224	0.101	5.00	24.775	1500	341110.814	398306.777	3.143
225	0.143	5.00	24.102	1800	341117.234	398237.866	1.500
226	0.144	5.00	24.111	1800	341110.910	398247.980	2.626
227	0.065	5.00	23.842	1800	341098.139	398243.520	2.391
228	0.107	5.00	23.710	1800	341087.117	398244.175	2.287
TANK 4	0.000	5.00	23.294	1200	341033.069	398271.576	1.972
229	0.234	5.00	23.294	1800	341030.346	398263.665	2.021
TANK 5	0.000	5.00	23.110	1200	340965.118	398295.052	1.911
230	0.207	5.00	23.165	1800	340962.275	398286.970	2.072
231	0.108	5.00	25.265	1500	341011.541	398478.569	1.425
232	0.000	5.00	26.005	1500	340961.860	398497.840	1.425
233	0.132	5.00	25.583	1800	340981.440	398490.288	4.063
234	0.117	5.00	24.342	1800	340956.567	398422.643	3.002
235	0.109	5.00	25.044	1500	341071.311	398456.339	1.500
236	0.045	5.00	25.500	1500	341040.122	398468.465	2.155
237	0.127	5.00	24.426	1500	341022.287	398422.594	1.575
238	0.198	5.00	24.541	1500	341068.921	398373.973	1.500
239	0.205	5.00	23.787	2100	341011.100	398393.822	2.333
240	0.074	5.00	24.081	1800	340962.994	398410.606	2.754
241	0.034	5.00	24.156	1800	340956.280	398410.738	2.846
242	0.041	5.00	23.773	1800	340955.912	398392.026	2.510
243	0.090	5.00	23.370	1800	340947.638	398366.993	2.173
244	0.070	5.00	24.312	1800	341073.154	398314.107	2.793
245	0.113	5.00	24.213	1800	341012.160	398334.828	2.855
246	0.267	5.00	23.908	1800	340988.282	398337.897	2.610
247	0.000	5.00	23.367	1800	340930.701	398356.741	2.220

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
248	0.000		23.268	1800	340916.552	398305.027	2.255
TANK 6	0.000	5.00	23.110	1200	340925.472	398302.476	2.250
249	0.077	5.00	23.110	2100	340924.113	398298.865	2.270
251	0.000		22.000		340919.275	398283.282	1.638
253	0.000	5.00	22.000		340883.968	398172.442	1.950
254	0.000		22.000	2700	340880.040	398159.342	1.984
255	0.141	5.00	21.922	2400	340913.022	398226.885	4.970
256	0.129	5.00	21.998	2700	340893.178	398163.029	5.213
257	0.045	5.00	22.045	2700	340886.617	398155.499	5.885
258	0.076	5.00	21.906	2700	340880.391	398148.782	5.769
259	0.058	5.00	21.538	2700	340876.924	398139.018	5.427
260	0.069	5.00	19.289	2700	340877.118	398094.348	3.290
261	0.000		19.029	1500	340877.165	398083.172	3.077
262	0.000		18.492	1500	340852.304	398082.671	2.644
263	0.000		17.908	1500	340824.088	398085.970	2.178
264	0.000		16.911	1500	340777.274	398097.701	3.261
265			14.322	1500	340760.612	398092.122	1.471

Links (Input)

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	400.0	450	5.96	50.0
1.002	203	205	70.507	0.600	24.044	23.868	0.176	400.0	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	400.0	450	8.10	50.0
3.000	206	207	18.009	0.600	24.220	24.175	0.045	400.0	450	5.30	50.0
3.001	207	208	13.771	0.600	24.175	24.141	0.034	400.0	450	5.52	50.0
3.002	208	209	32.715	0.600	24.141	24.059	0.082	400.0	450	6.06	50.0
3.003	209	210	58.891	0.600	24.059	23.912	0.147	400.0	450	7.04	50.0
14.000	TANK 1	210	3.687	0.600	23.933	24.450	-0.517	-7.1	225	5.06	50.0
3.004	210	211	53.887	0.600	23.912	23.777	0.135	400.0	450	7.93	50.0
15.000	TANK 2	211	3.687	0.600	23.789	24.450	-0.661	-5.6	225	5.06	50.0
3.005	211	212	22.778	0.600	23.777	23.720	0.057	400.0	450	8.30	50.0
1.004	212	213	57.803	0.600	23.720	23.575	0.145	400.0	450	9.25	49.9
16.000	TANK 3	213	3.687	0.600	23.521	24.350	-0.829	-4.4	225	5.06	50.0
1.005	213	218	33.383	0.600	23.500	23.417	0.083	400.0	525	9.75	48.6
4.000	214	215	24.278	0.600	23.747	23.686	0.061	400.0	450	5.40	50.0
4.001	215	216	33.377	0.600	23.686	23.603	0.083	400.0	450	5.95	50.0
4.002	216	217	28.971	0.600	23.603	23.531	0.072	400.0	450	6.43	50.0
4.003	217	218	15.401	0.600	23.531	23.492	0.039	400.0	450	6.68	50.0
1.006	218	219	17.009	0.600	23.417	23.374	0.043	400.0	525	10.01	47.9
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	400.0	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	400.0	600	7.05	50.0
5.005	227	228	11.041	0.600	21.451	21.423	0.028	400.0	600	7.20	50.0

Links (Input)

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
5.006	228	229	60.023	0.600	21.423	21.273	0.150	400.0	600	8.02	50.0
17.000	TANK 4	229	8.367	0.600	21.322	21.800	-0.478	-17.5	225	5.14	50.0
5.007	229	230	71.950	0.600	21.273	21.093	0.180	400.0	600	9.01	50.0
18.000	TANK 5	230	8.567	0.600	21.199	21.650	-0.451	-19.0	225	5.14	50.0
5.008	230	249	39.973	0.600	21.093	20.990	0.103	388.1	600	9.56	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	400.0	600	6.16	50.0
8.002	234	241	11.908	0.600	21.340	21.310	0.030	400.0	600	6.32	50.0
10.000	235	236	33.463	0.600	23.544	23.345	0.199	168.0	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	400.0	600	6.86	50.0
10.004	240	241	6.715	0.600	21.327	21.310	0.017	400.0	600	6.95	50.0
8.003	241	242	18.716	0.600	21.310	21.263	0.047	400.0	600	7.21	50.0
8.004	242	243	26.365	0.600	21.263	21.197	0.066	400.0	600	7.57	50.0
8.005	243	247	19.798	0.600	21.197	21.148	0.049	400.0	600	7.84	50.0
12.000	244	245	64.418	0.600	21.519	21.358	0.161	400.0	600	5.89	50.0
12.001	245	246	24.074	0.600	21.358	21.298	0.060	400.0	600	6.22	50.0
12.002	246	247	60.586	0.600	21.298	21.147	0.151	400.0	600	7.05	50.0
8.006	247	248	53.615	0.600	21.147	21.013	0.134	400.0	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
19.000	TANK 6	249	3.858	0.600	20.860	21.550	-0.690	-5.6	225	5.06	50.0
5.009	249	251	16.317	0.600	20.840	20.799	0.041	400.0	750	9.75	48.6
5.013	253	254	13.676	0.600	20.050	20.016	0.034	400.0	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	400.0	1200	5.60	50.0
13.001	256	257	9.987	0.600	16.785	16.760	0.025	400.0	1200	5.69	50.0
13.002	257	258	9.159	0.600	16.160	16.137	0.023	400.0	1800	5.75	50.0
5.015	258	259	10.361	0.600	16.137	16.111	0.026	400.0	1800	5.82	50.0
5.016	259	260	44.670	0.600	16.111	15.999	0.112	400.0	1800	6.13	50.0
5.017	260	261	11.176	0.600	15.999	15.952	0.047	240.0	375	6.29	50.0
5.018	261	262	24.866	0.600	15.952	15.848	0.104	240.0	375	6.65	50.0
5.019	262	263	28.408	0.600	15.848	15.730	0.118	240.0	375	7.06	50.0
5.020	263	264	48.261	0.600	15.730	13.650	2.080	23.2	375	7.27	50.0
5.021	264	265	17.571	0.600	13.650	12.851	0.799	22.0	375	7.35	50.0

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.000	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	400.0	450	Circular_Default Sewer Type	26.281	24.079	1.752	26.161	24.044	1.667
1.002	70.507	400.0	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

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)
1.003	59.073	400.0	450	Circular_Default Sewer Type	26.799	23.868	2.481	25.948	23.720	1.778
3.000	18.009	400.0	450	Circular_Default Sewer Type	26.048	24.220	1.378	26.065	24.175	1.440
3.001	13.771	400.0	450	Circular_Default Sewer Type	26.065	24.175	1.440	26.226	24.141	1.635
3.002	32.715	400.0	450	Circular_Default Sewer Type	26.226	24.141	1.635	26.618	24.059	2.109
3.003	58.891	400.0	450	Circular_Default Sewer Type	26.618	24.059	2.109	26.187	23.912	1.825
14.000	3.687	-7.1	225	Circular_Default Sewer Type	26.187	23.933	2.029	26.187	24.450	1.512
3.004	53.887	400.0	450	Circular_Default Sewer Type	26.187	23.912	1.825	26.090	23.777	1.863
15.000	3.687	-5.6	225	Circular_Default Sewer Type	26.090	23.789	2.076	26.090	24.450	1.415
3.005	22.778	400.0	450	Circular_Default Sewer Type	26.090	23.777	1.863	25.948	23.720	1.778
1.004	57.803	400.0	450	Circular_Default Sewer Type	25.948	23.720	1.778	25.574	23.575	1.549
16.000	3.687	-4.4	225	Circular_Default Sewer Type	25.574	23.521	1.828	25.574	24.350	0.999
1.005	33.383	400.0	525	Circular_Default Sewer Type	25.574	23.500	1.549	25.325	23.417	1.383
4.000	24.278	400.0	450	Circular_Default Sewer Type	26.234	23.747	2.037	26.586	23.686	2.450
4.001	33.377	400.0	450	Circular_Default Sewer Type	26.586	23.686	2.450	25.711	23.603	1.658
4.002	28.971	400.0	450	Circular_Default Sewer Type	25.711	23.603	1.658	25.256	23.531	1.275
4.003	15.401	400.0	450	Circular_Default Sewer Type	25.256	23.531	1.275	25.325	23.492	1.383
1.006	17.009	400.0	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	400.0	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	400.0	600	Circular_Default Sewer Type	24.111	21.485	2.026	23.842	21.451	1.791
5.005	11.041	400.0	600	Circular_Default Sewer Type	23.842	21.451	1.791	23.710	21.423	1.687

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
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
14.000	TANK 1	1200	Manhole	Adoptable	210	1800	Manhole	Adoptable
3.004	210	1800	Manhole	Adoptable	211	1800	Manhole	Adoptable
15.000	TANK 2	1200	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
16.000	TANK 3	1200	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
5.005	227	1800	Manhole	Adoptable	228	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)
5.006	60.023	400.0	600	Circular_Default Sewer Type	23.710	21.423	1.687	23.294	21.273	1.421
17.000	8.367	-17.5	225	Circular_Default Sewer Type	23.294	21.322	1.747	23.294	21.800	1.269
5.007	71.950	400.0	600	Circular_Default Sewer Type	23.294	21.273	1.421	23.165	21.093	1.472
18.000	8.567	-19.0	225	Circular_Default Sewer Type	23.110	21.199	1.686	23.165	21.650	1.290
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	400.0	600	Circular_Default Sewer Type	25.583	21.520	3.463	24.342	21.340	2.402
8.002	11.908	400.0	600	Circular_Default Sewer Type	24.342	21.340	2.402	24.156	21.310	2.246
10.000	33.463	168.0	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	400.0	600	Circular_Default Sewer Type	23.787	21.454	1.733	24.081	21.327	2.154
10.004	6.715	400.0	600	Circular_Default Sewer Type	24.081	21.327	2.154	24.156	21.310	2.246
8.003	18.716	400.0	600	Circular_Default Sewer Type	24.156	21.310	2.246	23.773	21.263	1.910
8.004	26.365	400.0	600	Circular_Default Sewer Type	23.773	21.263	1.910	23.370	21.197	1.573
8.005	19.798	400.0	600	Circular_Default Sewer Type	23.370	21.197	1.573	23.367	21.148	1.619
12.000	64.418	400.0	600	Circular_Default Sewer Type	24.312	21.519	2.193	24.213	21.358	2.255
12.001	24.074	400.0	600	Circular_Default Sewer Type	24.213	21.358	2.255	23.908	21.298	2.010
12.002	60.586	400.0	600	Circular_Default Sewer Type	23.908	21.298	2.010	23.367	21.147	1.620
8.006	53.615	400.0	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
19.000	3.858	-5.6	225	Circular_Default Sewer Type	23.110	20.860	2.025	23.110	21.550	1.335
5.009	16.317	400.0	750	Circular_Default Sewer Type	23.110	20.840	1.520	22.000	20.799	0.451

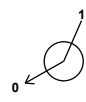
Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
5.006	228	1800	Manhole	Adoptable	229	1800	Manhole	Adoptable
17.000	TANK 4	1200	Manhole	Adoptable	229	1800	Manhole	Adoptable
5.007	229	1800	Manhole	Adoptable	230	1800	Manhole	Adoptable
18.000	TANK 5	1200	Manhole	Adoptable	230	1800	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
19.000	TANK 6	1200	Manhole	Adoptable	249	2100	Manhole	Adoptable
5.009	249	2100	Manhole	Adoptable	251		Junction	

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)
5.013	13.676	400.0	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
13.000	66.868	400.0	1200	Circular_Default Sewer Type	21.922	16.952	3.770	21.998	16.785	4.013
13.001	9.987	400.0	1200	Circular_Default Sewer Type	21.998	16.785	4.013	22.045	16.760	4.085
13.002	9.159	400.0	1800	Circular_Default Sewer Type	22.045	16.160	4.085	21.906	16.137	3.969
5.015	10.361	400.0	1800	Circular_Default Sewer Type	21.906	16.137	3.969	21.538	16.111	3.627
5.016	44.670	400.0	1800	Circular_Default Sewer Type	21.538	16.111	3.627	19.289	15.999	1.490
5.017	11.176	240.0	375	Circular_Default Sewer Type	19.289	15.999	2.915	19.029	15.952	2.702
5.018	24.866	240.0	375	Circular_Default Sewer Type	19.029	15.952	2.702	18.492	15.848	2.269
5.019	28.408	240.0	375	Circular_Default Sewer Type	18.492	15.848	2.269	17.908	15.730	1.803
5.020	48.261	23.2	375	Circular_Default Sewer Type	17.908	15.730	1.803	16.911	13.650	2.886
5.021	17.571	22.0	375	Circular_Default Sewer Type	16.911	13.650	2.886	14.322	12.851	1.096

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
5.013	253		Junction		254	2700	Manhole	Adoptable
5.014	254	2700	Manhole	Adoptable	258	2700	Manhole	Adoptable
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
5.020	263	1500	Manhole	Adoptable	264	1500	Manhole	Adoptable
5.021	264	1500	Manhole	Adoptable	265	1500	Manhole	Adoptable

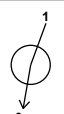
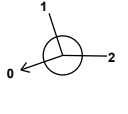
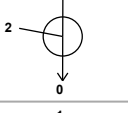
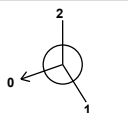
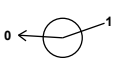
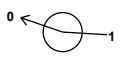
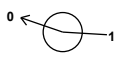
Manhole Schedule

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
							0	1.001	24.079	450
203	341273.582	398482.487	26.161	2.117	1800		1	1.001	24.044	450
							0	1.002	24.044	450
204	341179.793	398484.684	26.476	1.528	1800		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

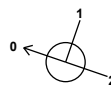
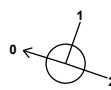
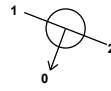
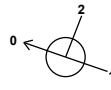
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
206	341321.334	398482.227	26.048	1.828	1800		0	3.000	24.220	450
207	341332.233	398467.891	26.065	1.890	1800		1	3.000	24.175	450
							0	3.001	24.175	450
208	341336.532	398454.808	26.226	2.085	1800		1	3.001	24.141	450
							0	3.002	24.141	450
209	341337.391	398422.104	26.618	2.559	1800		1	3.002	24.059	450
							0	3.003	24.059	450
TANK 1	341278.376	398419.674	26.187	2.254	1200		0	14.000	23.933	225
210	341278.513	398423.358	26.187	2.275	1800		1	14.000	24.450	225
							2	3.003	23.912	450
							0	3.004	23.912	450
TANK 2	341224.501	398420.822	26.090	2.301	1200		0	15.000	23.789	225
211	341224.638	398424.506	26.090	2.313	1800		1	15.000	24.450	225
							2	3.004	23.777	450
							0	3.005	23.777	450
212	341201.865	398424.991	25.948	2.228	1800		1	3.005	23.720	450
							2	1.003	23.720	450
							0	1.004	23.720	450
TANK 3	341143.932	398422.174	25.574	2.053	1200		0	16.000	23.521	225
213	341144.069	398425.858	25.574	2.074	1800		1	16.000	24.350	225
							2	1.004	23.575	450
							0	1.005	23.500	525
214	341145.103	398492.307	26.234	2.487	1500		0	4.000	23.747	450
215	341122.392	398500.888	26.586	2.900	1500		1	4.000	23.686	450
							0	4.001	23.686	450

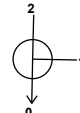
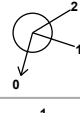
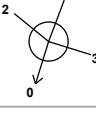
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
216	341110.897	398469.553	25.711	2.108	1500		1 4.001	23.603	450
217	341105.936	398441.010	25.256	1.725	1800		1 4.002	23.531	450
218	341110.690	398426.361	25.325	1.908	1800		1 4.003 2 1.005	23.492 23.417	450 525
219	341094.622	398420.783	25.000	1.771			1 1.006	23.374	525
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 6.000 2 5.000	23.025	525
223	341110.872	398351.655	24.436	1.548	1500		0 5.001	23.025	300
224	341110.814	398306.777	24.775	3.143	1500		1 5.002	22.888	300
225	341117.234	398237.866	24.102	1.500	1800		0 7.000	22.602	225
226	341110.910	398247.980	24.111	2.626	1800		1 7.000 2 5.003	22.531	225
227	341098.139	398243.520	23.842	2.391	1800		0 5.004	21.485	600
228	341087.117	398244.175	23.710	2.287	1800		1 5.005	21.451	600
							0 5.006	21.423	600

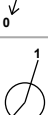
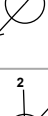
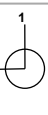
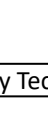
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
TANK 4	341033.069	398271.576	23.294	1.972	1200	 0	0	17.000	21.322	225
229	341030.346	398263.665	23.294	2.021	1800	 0 1 2 0	1 2 0	17.000 5.006 5.007	21.800 21.273 21.273	225 600 600
TANK 5	340965.118	398295.052	23.110	1.911	1200	 0	0	18.000	21.199	225
230	340962.275	398286.970	23.165	2.072	1800	 0 1 2 0	1 2 0	18.000 5.007 5.008	21.650 21.093 21.093	225 600 600
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
233	340981.440	398490.288	25.583	4.063	1800	 1 2 0	1 2 0	9.000 8.000 8.001	22.795 21.895 21.520	225 225 600
234	340956.567	398422.643	24.342	3.002	1800	 1 0	1 0	8.001 8.002	21.340 21.340	600 600
235	341071.311	398456.339	25.044	1.500	1500	 0	0	10.000	23.544	300
236	341040.122	398468.465	25.500	2.155	1500	 0 1 0	1 0	10.000 10.001	23.345 23.345	300 300
237	341022.287	398422.594	24.426	1.575	1500	 1 0	1 0	10.001 10.002	22.851 22.851	300 300
238	341068.921	398373.973	24.541	1.500	1500	 0	0	11.000	23.041	300
239	341011.100	398393.822	23.787	2.333	2100	 2 0 1 0	1 2 0	11.000 10.002 10.003	21.754 21.754 21.454	300 300 600

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
240	340962.994	398410.606	24.081	2.754	1800		1 10.003	21.327	600
						0	10.004	21.327	600
241	340956.280	398410.738	24.156	2.846	1800		1 10.004	21.310	600
						2 8.002	8.002	21.310	600
						0 8.003	8.003	21.310	600
242	340955.912	398392.026	23.773	2.510	1800		1 8.003	21.263	600
						0 8.004	8.004	21.263	600
243	340947.638	398366.993	23.370	2.173	1800		1 8.004	21.197	600
						0 8.005	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	12.001	21.358	600
246	340988.282	398337.897	23.908	2.610	1800		1 12.001	21.298	600
						0 12.002	12.002	21.298	600
247	340930.701	398356.741	23.367	2.220	1800		1 12.002	21.147	600
						2 8.005	8.005	21.148	600
						0 8.006	8.006	21.147	600
248	340916.552	398305.027	23.268	2.255	1800		1 8.006	21.013	600
						0 8.007	8.007	21.013	600
TANK 6	340925.472	398302.476	23.110	2.250	1200		0 19.000	20.860	225
249	340924.113	398298.865	23.110	2.270	2100		1 19.000	21.550	225
						2 8.007	8.007	20.990	600
						3 5.008	5.008	20.990	600
						0 5.009	5.009	20.840	750
251	340919.275	398283.282	22.000	1.638			1 5.009	20.799	750
253	340883.968	398172.442	22.000	1.950			0 5.013	20.050	750

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
254	340880.040	398159.342	22.000	1.984	2700		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	1200
256	340893.178	398163.029	21.998	5.213	2700		1	13.000	16.785	1200
							0	13.001	16.785	1200
257	340886.617	398155.499	22.045	5.885	2700		1	13.001	16.760	1200
							0	13.002	16.160	1800
258	340880.391	398148.782	21.906	5.769	2700		1	13.002	16.137	1800
							2	5.014	19.593	375
							0	5.015	16.137	1800
259	340876.924	398139.018	21.538	5.427	2700		1	5.015	16.111	1800
							0	5.016	16.111	1800
260	340877.118	398094.348	19.289	3.290	2700		1	5.016	15.999	1800
							0	5.017	15.999	375
261	340877.165	398083.172	19.029	3.077	1500		1	5.017	15.952	375
							0	5.018	15.952	375
262	340852.304	398082.671	18.492	2.644	1500		1	5.018	15.848	375
							0	5.019	15.848	375
263	340824.088	398085.970	17.908	2.178	1500		1	5.019	15.730	375
							0	5.020	15.730	375
264	340777.274	398097.701	16.911	3.261	1500		1	5.020	13.650	375
							0	5.021	13.650	375
265	340760.612	398092.122	14.322	1.471	1500		1	5.021	12.851	375

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 TANK 1 Offline Orifice Control

Flap Valve	✓	Invert Level (m)	23.933	Discharge Coefficient	0.600
Loop to Node	210	Diameter (m)	0.225		

Node TANK 2 Offline Orifice Control

Flap Valve	✓	Invert Level (m)	23.789	Discharge Coefficient	0.600
Loop to Node	211	Diameter (m)	0.225		

Node TANK 3 Offline Orifice Control

Flap Valve	✓	Invert Level (m)	23.521	Discharge Coefficient	0.600
Loop to Node	213	Diameter (m)	0.225		

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-0325-6600-1539-6600
Design Depth (m)	1.539	Min Outlet Diameter (m)	0.375
Design Flow (l/s)	66.0	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 TANK 4 Offline Orifice Control

Flap Valve	✓	Invert Level (m)	21.322	Discharge Coefficient	0.600
Loop to Node	229	Diameter (m)	0.225		

Node TANK 5 Offline Orifice Control

Flap Valve	✓	Invert Level (m)	21.199	Discharge Coefficient	0.600
Loop to Node	230	Diameter (m)	0.225		

Node TANK 6 Offline Orifice Control

Flap Valve	✓	Invert Level (m)	20.860	Discharge Coefficient	0.600
Loop to Node	249	Diameter (m)	0.225		

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)		Main Channel n	0.350

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 TANK 1 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	23.933
Side Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Time to half empty (mins)	104

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	100.0	100.0	1.200	100.0	142.5	1.201	0.0	142.5

Node TANK 2 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	23.789
Side Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Time to half empty (mins)	180

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	100.0	100.0	1.200	100.0	142.5	1.201	0.0	142.5

Node TANK 3 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	23.521
Side Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Time to half empty (mins)	

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	100.0	100.0	1.200	100.0	142.5	1.201	0.0	142.5

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)	400.0
Safety Factor	2.0	Time to half empty (mins)		Main Channel n	0.350

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	56.5	56.5	0.500	688.5	689.5	1.000	1103.8	1108.2	1.500	1542.9	1552.0
0.100	146.7	146.8	0.600	769.7	771.3	1.100	1189.7	1194.9	1.600	1633.7	1643.9
0.200	274.8	275.0	0.700	851.8	854.0	1.200	1276.6	1282.7			
0.300	455.6	455.9	0.800	934.8	937.7	1.300	1364.4	1371.4			
0.400	608.3	608.8	0.900	1018.8	1022.4	1.400	1453.2	1461.2			

Node TANK 4 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	21.322
Side Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Time to half empty (mins)	0

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	135.0	135.0	0.800	135.0	168.0	0.801	0.0	168.0

Node TANK 5 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	21.199
Side Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Time to half empty (mins)	96

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	195.0	195.0	0.800	195.0	234.6	0.801	0.0	234.6

Node TANK 6 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	20.860
Side Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Time to half empty (mins)	232

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	126.0	126.0	1.200	126.0	173.7	1.201	0.0	173.7

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.40%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	201	12	24.492	0.303	55.2	0.7722	0.0000	OK
15 minute winter	202	13	24.541	0.462	69.2	1.1749	0.0000	SURCHARGED
15 minute winter	203	13	24.520	0.476	114.9	1.2118	0.0000	SURCHARGED
15 minute winter	204	9	25.042	0.094	36.7	0.2391	0.0000	OK
15 minute winter	205	13	24.444	0.576	163.4	1.4659	0.0000	SURCHARGED
15 minute winter	206	14	24.437	0.217	25.4	0.5526	0.0000	OK
15 minute winter	207	13	24.466	0.291	43.8	0.7416	0.0000	OK
15 minute winter	208	13	24.448	0.307	64.6	0.7807	0.0000	OK
15 minute winter	209	13	24.427	0.368	85.6	0.9362	0.0000	OK
15 minute summer	TANK 1	1	23.933	0.000	0.0	0.0000	0.0000	OK
15 minute winter	210	11	24.434	0.522	114.8	1.3289	0.0000	SURCHARGED
15 minute summer	TANK 2	1	23.789	0.000	0.0	0.0000	0.0000	OK
15 minute winter	211	11	24.405	0.628	98.4	1.5985	0.0000	SURCHARGED
15 minute winter	212	11	24.375	0.655	222.9	1.6677	0.0000	SURCHARGED
15 minute summer	TANK 3	1	23.521	0.000	0.0	0.0000	0.0000	OK
120 minute winter	213	116	24.338	0.838	125.5	2.1331	0.0000	SURCHARGED
120 minute winter	214	116	24.338	0.591	10.0	1.0436	0.0000	SURCHARGED
120 minute winter	215	116	24.338	0.652	17.6	1.1514	0.0000	SURCHARGED
120 minute winter	216	116	24.338	0.735	25.3	1.2980	0.0000	SURCHARGED
120 minute winter	217	118	24.338	0.807	27.0	2.0528	0.0000	SURCHARGED
120 minute winter	218	118	24.338	0.921	137.6	2.3431	0.0000	SURCHARGED
120 minute winter	219	118	24.337	1.108	133.0	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	201	1.000	202	52.7	0.696	0.328	5.9269	
15 minute winter	202	1.001	203	63.8	0.649	0.397	2.2234	
15 minute winter	203	1.002	205	106.8	0.893	0.665	11.1714	
15 minute winter	204	2.000	205	36.5	2.199	0.365	0.6388	
15 minute winter	205	1.003	212	115.0	0.864	0.716	9.3597	
15 minute winter	206	3.000	207	31.6	0.472	0.197	1.6415	
15 minute winter	207	3.001	208	57.2	0.672	0.356	1.5403	
15 minute winter	208	3.002	209	55.8	0.727	0.348	4.1521	
15 minute winter	209	3.003	210	78.1	0.833	0.486	8.7500	
15 minute summer	TANK 1	14.000	210	0.0	0.000	0.000	0.0000	
15 minute summer	TANK 1	Orifice	210	0.0				0.0
15 minute winter	210	3.004	211	80.5	0.778	0.501	8.5380	
15 minute summer	TANK 2	15.000	211	0.0	0.000	0.000	0.0000	
15 minute summer	TANK 2	Orifice	211	0.0				0.0
15 minute winter	211	3.005	212	91.6	0.578	0.570	3.6090	
15 minute winter	212	1.004	213	218.9	1.382	1.362	9.1585	
15 minute summer	TANK 3	16.000	213	0.0	0.000	0.000	0.0000	
15 minute summer	TANK 3	Orifice	213	0.0				0.0
120 minute winter	213	1.005	218	117.3	0.840	0.487	7.2118	
120 minute winter	214	4.000	215	9.2	0.438	0.057	3.8467	
120 minute winter	215	4.001	216	16.1	0.531	0.100	5.2884	
120 minute winter	216	4.002	217	20.9	0.567	0.130	4.5903	
120 minute winter	217	4.003	218	26.1	0.570	0.162	2.4402	
120 minute winter	218	1.006	219	133.0	1.087	0.552	3.6745	
120 minute winter	219	Flow through Pond	220	77.3	0.047	0.247	282.9397	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.40%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	220	118	24.337	1.112	93.5	2.8308	0.0000	SURCHARGED
120 minute winter	221	118	24.337	1.269	33.3	3.2309	0.0000	SURCHARGED
120 minute winter	222	118	24.337	1.312	96.5	4.5431	0.0000	SURCHARGED
15 minute winter	223	11	23.054	0.166	89.6	0.2925	0.0000	OK
15 minute winter	224	12	21.946	0.314	120.7	0.5542	0.0000	OK
15 minute winter	225	10	22.848	0.246	47.2	0.6270	0.0000	SURCHARGED
15 minute winter	226	12	21.922	0.437	205.6	1.1133	0.0000	OK
15 minute winter	227	12	21.891	0.440	219.2	1.1193	0.0000	OK
15 minute winter	228	12	21.852	0.429	249.4	1.0912	0.0000	OK
15 minute summer	TANK 4	1	21.322	0.000	0.0	0.0000	0.0000	OK
15 minute winter	229	12	21.764	0.491	313.7	1.2492	0.0000	OK
15 minute summer	TANK 5	1	21.199	0.000	0.0	0.0000	0.0000	OK
15 minute winter	230	12	21.616	0.523	356.5	1.3308	0.0000	OK
15 minute winter	231	10	23.923	0.083	35.7	0.1468	0.0000	OK
15 minute summer	232	1	24.580	0.000	0.0	0.0000	0.0000	OK
15 minute winter	233	13	21.921	0.401	78.9	1.0207	0.0000	OK
15 minute winter	234	12	21.921	0.581	94.1	1.4796	0.0000	OK
15 minute winter	235	10	23.684	0.140	36.0	0.2481	0.0000	OK
15 minute winter	236	10	23.489	0.144	50.4	0.2536	0.0000	OK
15 minute winter	237	10	22.995	0.144	91.0	0.2548	0.0000	OK
15 minute winter	238	10	23.175	0.134	65.4	0.2373	0.0000	OK
15 minute winter	239	12	21.956	0.502	220.3	1.7380	0.0000	OK
15 minute winter	240	12	21.933	0.606	227.6	1.5431	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)
120 minute winter	220	5.000	222	91.3	0.729	0.165	3.3243	
120 minute winter	221	6.000	222	32.9	-0.177	0.136	3.5892	
120 minute winter	222	5.001	223	30.0	1.242	0.403	0.8513	
15 minute winter	223	5.002	224	89.3	2.316	0.549	1.7314	
15 minute winter	224	5.003	226	115.4	0.717	0.337	10.8529	
15 minute winter	225	7.000	226	46.2	1.186	1.154	0.4397	
15 minute winter	226	5.004	227	199.0	0.916	0.581	2.9862	
15 minute winter	227	5.005	228	216.2	1.019	0.631	2.4117	
15 minute winter	228	5.006	229	242.2	1.084	0.707	13.8733	
15 minute summer	TANK 4	17.000	229	0.0	0.000	0.000	0.0000	
15 minute summer	TANK 4	Orifice	229	0.0				0.0
15 minute winter	229	5.007	230	302.2	1.192	0.882	18.2543	
15 minute summer	TANK 5	18.000	230	0.0	0.000	0.000	0.0000	
15 minute summer	TANK 5	Orifice	230	0.0				0.0
15 minute winter	230	5.008	249	353.3	1.428	1.016	9.8757	
15 minute winter	231	8.000	233	35.3	2.715	0.275	0.4200	
15 minute summer	232	9.000	233	0.0	0.000	0.000	0.0000	
15 minute winter	233	8.001	234	59.5	0.560	0.174	17.1413	
15 minute winter	234	8.002	241	87.7	0.356	0.256	3.3395	
15 minute winter	235	10.000	236	35.5	1.081	0.415	1.0979	
15 minute winter	236	10.001	237	49.6	1.512	0.445	1.6429	
15 minute winter	237	10.002	239	91.6	2.770	0.436	1.2158	
15 minute winter	238	11.000	239	63.8	2.138	0.395	2.3210	
15 minute winter	239	10.003	240	203.2	0.914	0.594	13.5881	
15 minute winter	240	10.004	241	210.4	0.847	0.615	1.8914	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.40%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	241	12	21.917	0.607	293.3	1.5451	0.0000	SURCHARGED
15 minute winter	242	12	21.864	0.601	296.7	1.5288	0.0000	SURCHARGED
15 minute winter	243	12	21.795	0.598	313.4	1.5220	0.0000	OK
15 minute winter	244	13	21.776	0.257	33.5	0.6533	0.0000	OK
15 minute winter	245	13	21.762	0.404	59.0	1.0272	0.0000	OK
15 minute winter	246	13	21.750	0.452	116.7	1.1498	0.0000	OK
15 minute winter	247	14	21.736	0.589	376.5	1.4999	0.0000	OK
15 minute winter	248	12	21.553	0.540	378.0	1.3755	0.0000	OK
15 minute summer	TANK 6	1	20.860	0.000	0.0	0.0000	0.0000	OK
30 minute winter	249	24	21.472	0.632	666.1	2.1909	0.0000	OK
30 minute winter	251	26	21.439	1.077	665.5	0.0000	0.0000	OK
180 minute winter	253	176	21.292	1.242	242.0	0.0000	0.0000	SURCHARGED
180 minute winter	254	176	21.292	1.276	69.2	7.3056	0.0000	SURCHARGED
360 minute winter	255	240	17.085	0.133	6.5	0.6008	0.0000	OK
360 minute winter	256	240	17.085	0.300	12.5	1.7157	0.0000	OK
360 minute winter	257	240	17.085	0.925	13.2	5.2942	0.0000	OK
360 minute winter	258	240	17.085	0.948	80.4	5.4259	0.0000	OK
360 minute winter	259	240	17.085	0.974	79.6	5.5744	0.0000	OK
360 minute winter	260	240	17.084	1.085	75.1	6.2153	0.0000	SURCHARGED
360 minute winter	261	240	16.166	0.214	71.8	0.3788	0.0000	OK
360 minute winter	262	240	16.050	0.202	71.8	0.3568	0.0000	OK
360 minute winter	263	240	15.836	0.106	71.8	0.1872	0.0000	OK
360 minute winter	264	240	13.761	0.111	71.8	0.1963	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	241	8.003	242	284.0	1.051	0.829	5.2701	0.0
15 minute winter	242	8.004	243	290.2	1.054	0.848	7.4204	
15 minute winter	243	8.005	247	313.8	1.123	0.916	5.5486	
15 minute winter	244	12.000	245	21.8	0.383	0.064	10.1993	
15 minute winter	245	12.001	246	49.7	0.443	0.145	5.1671	
15 minute winter	246	12.002	247	94.9	0.721	0.277	15.3637	
15 minute winter	247	8.006	248	378.0	1.377	1.104	14.6484	
15 minute winter	248	8.007	249	381.2	1.554	1.146	2.4426	
15 minute summer	TANK 6	19.000	249	0.0	0.000	0.000	0.0000	
15 minute summer	TANK 6	Orifice	249	0.0				
30 minute winter	249	5.009	251	665.5	1.960	1.082	6.4951	2003.4
30 minute winter	251	Flow through Pond	253	483.7	0.140	0.296	541.3917	
180 minute winter	253	5.013	254	69.2	0.317	0.112	6.0191	
180 minute winter	254	5.014	258	66.0	2.513	0.164	0.2777	
360 minute winter	255	13.000	256	6.5	0.328	0.003	9.5970	
360 minute winter	256	13.001	257	11.3	0.564	0.005	2.3234	
360 minute winter	257	13.002	258	11.2	0.273	0.002	12.2044	
360 minute winter	258	5.015	259	77.1	0.449	0.013	14.2602	
360 minute winter	259	5.016	260	72.0	0.158	0.012	66.9544	
360 minute winter	260	5.017	261	71.8	1.058	0.558	0.7587	
360 minute winter	261	5.018	262	71.8	1.144	0.558	1.5612	
360 minute winter	262	5.019	263	71.8	1.687	0.558	1.2215	
360 minute winter	263	5.020	264	71.8	2.721	0.172	1.2742	
360 minute winter	264	5.021	265	71.8	2.779	0.168	0.4544	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.40%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	265	240	12.954	0.103	71.8	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)
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Results for 100 year Critical Storm Duration. Lowest mass balance: 99.40%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	201	12	25.107	0.918	71.5	2.3363	0.0000	SURCHARGED
15 minute winter	202	12	25.042	0.963	117.2	2.4496	0.0000	SURCHARGED
15 minute winter	203	11	25.068	1.024	131.3	2.6068	0.0000	SURCHARGED
15 minute winter	204	12	25.077	0.129	47.5	0.3296	0.0000	OK
15 minute winter	205	12	24.951	1.083	197.0	2.7556	0.0000	SURCHARGED
15 minute winter	206	12	24.973	0.753	91.3	1.9154	0.0000	SURCHARGED
15 minute winter	207	12	24.830	0.655	67.9	1.6660	0.0000	SURCHARGED
15 minute winter	208	12	24.882	0.741	73.4	1.8865	0.0000	SURCHARGED
15 minute winter	209	12	24.899	0.840	120.6	2.1381	0.0000	SURCHARGED
15 minute winter	TANK 1	16	24.049	0.116	79.9	11.7665	0.0000	OK
30 minute winter	210	20	24.711	0.799	128.2	2.0334	0.0000	SURCHARGED
15 minute winter	TANK 2	15	23.897	0.108	76.1	10.9080	0.0000	OK
15 minute winter	211	12	24.684	0.907	100.6	2.3085	0.0000	SURCHARGED
15 minute winter	212	12	24.708	0.988	255.5	2.5145	0.0000	SURCHARGED
120 minute winter	TANK 3	118	24.457	0.936	77.2	94.6611	0.0000	SURCHARGED
180 minute winter	213	172	24.455	0.955	106.3	2.4306	0.0000	SURCHARGED
180 minute winter	214	172	24.455	0.708	9.7	1.2505	0.0000	SURCHARGED
180 minute winter	215	172	24.455	0.769	17.4	1.3580	0.0000	SURCHARGED
180 minute winter	216	172	24.454	0.851	26.9	1.5046	0.0000	SURCHARGED
180 minute winter	217	172	24.454	0.923	33.0	2.3501	0.0000	SURCHARGED
180 minute winter	218	172	24.454	1.037	128.0	2.6399	0.0000	SURCHARGED
180 minute winter	219	176	24.454	1.225	127.2	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)
15 minute winter	201	1.000	202	61.0	0.712	0.380	6.9710	
15 minute winter	202	1.001	203	78.8	0.648	0.490	2.2234	
15 minute winter	203	1.002	205	130.9	0.892	0.815	11.1714	
15 minute winter	204	2.000	205	47.5	2.222	0.475	0.7390	
15 minute winter	205	1.003	212	188.0	1.187	1.170	9.3597	
15 minute winter	206	3.000	207	-60.3	0.480	-0.376	2.8534	
15 minute winter	207	3.001	208	63.8	0.697	0.397	2.1819	
15 minute winter	208	3.002	209	74.3	0.737	0.462	5.1835	
15 minute winter	209	3.003	210	116.4	0.844	0.725	9.3309	
15 minute winter	TANK 1	14.000	210	-79.9	-4.213	-2.010	0.0774	
15 minute winter	TANK 1	Orifice	210	4.7				11.6
30 minute winter	210	3.004	211	67.9	0.682	0.423	8.5380	
15 minute winter	TANK 2	15.000	211	-76.1	-4.475	-1.914	0.0779	
15 minute winter	TANK 2	Orifice	211	4.3				10.5
15 minute winter	211	3.005	212	80.5	0.557	0.501	3.6090	
15 minute winter	212	1.004	213	257.6	1.626	1.603	9.1585	
120 minute winter	TANK 3	16.000	213	-77.2	-4.559	-1.942	0.1063	
120 minute winter	TANK 3	Orifice	213	26.4				96.8
180 minute winter	213	1.005	218	99.2	0.774	0.412	7.2118	
180 minute winter	214	4.000	215	8.8	0.411	0.055	3.8467	
180 minute winter	215	4.001	216	16.8	0.496	0.105	5.2884	
180 minute winter	216	4.002	217	26.3	0.539	0.164	4.5903	
180 minute winter	217	4.003	218	32.1	0.562	0.200	2.4402	
180 minute winter	218	1.006	219	127.2	0.991	0.528	3.6745	
180 minute winter	219	Flow through Pond	220	70.0	0.045	0.224	331.4303	

Results for 100 year Critical Storm Duration. Lowest mass balance: 99.40%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	220	176	24.454	1.229	84.9	3.1276	0.0000	SURCHARGED
180 minute winter	221	172	24.453	1.386	29.0	3.5270	0.0000	SURCHARGED
180 minute winter	222	176	24.453	1.428	85.3	4.9465	0.0000	SURCHARGED
15 minute winter	223	11	23.080	0.192	113.1	0.3387	0.0000	OK
15 minute winter	224	12	22.192	0.560	153.0	0.9898	0.0000	OK
15 minute winter	225	10	22.949	0.347	61.2	0.8825	0.0000	SURCHARGED
15 minute winter	226	12	22.138	0.653	256.1	1.6614	0.0000	SURCHARGED
15 minute winter	227	12	22.085	0.634	262.1	1.6144	0.0000	SURCHARGED
15 minute winter	228	12	22.046	0.623	298.4	1.5849	0.0000	SURCHARGED
15 minute winter	TANK 4	15	21.344	0.022	21.3	2.9659	0.0000	OK
15 minute winter	229	11	21.927	0.654	373.3	1.6633	0.0000	SURCHARGED
15 minute winter	TANK 5	15	21.203	0.004	6.0	0.8666	0.0000	OK
15 minute winter	230	11	21.721	0.628	428.6	1.5985	0.0000	SURCHARGED
15 minute winter	231	10	23.936	0.096	46.2	0.1699	0.0000	OK
15 minute summer	232	1	24.580	0.000	0.0	0.0000	0.0000	OK
15 minute winter	233	13	22.430	0.910	102.2	2.3157	0.0000	SURCHARGED
15 minute winter	234	13	22.387	1.047	146.9	2.6636	0.0000	SURCHARGED
15 minute winter	235	10	23.709	0.165	46.7	0.2918	0.0000	OK
15 minute winter	236	10	23.514	0.169	65.3	0.2986	0.0000	OK
15 minute winter	237	12	23.025	0.174	117.8	0.3072	0.0000	OK
15 minute winter	238	10	23.193	0.152	84.7	0.2683	0.0000	OK
15 minute winter	239	13	22.481	1.027	290.0	3.5584	0.0000	SURCHARGED
15 minute winter	240	13	22.404	1.077	281.6	2.7405	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)
180 minute winter	220	5.000	222	82.6	0.797	0.149	3.3243	
180 minute winter	221	6.000	222	34.3	0.195	0.142	3.5892	
180 minute winter	222	5.001	223	30.0	1.239	0.402	0.8326	
15 minute winter	223	5.002	224	111.6	2.431	0.686	2.3823	
15 minute winter	224	5.003	226	139.4	0.717	0.407	16.3288	
15 minute winter	225	7.000	226	59.7	1.504	1.494	0.4595	
15 minute winter	226	5.004	227	234.3	0.946	0.684	3.8102	
15 minute winter	227	5.005	228	252.6	1.039	0.738	3.1100	
15 minute winter	228	5.006	229	284.9	1.094	0.832	16.9071	
15 minute winter	TANK 4	17.000	229	-21.3	-2.875	-0.536	0.0963	
15 minute winter	TANK 4	Orifice	229	0.8				1.4
15 minute winter	229	5.007	230	345.2	1.226	1.008	20.2667	
15 minute winter	TANK 5	18.000	230	-6.0	-1.744	-0.151	0.0461	
15 minute winter	TANK 5	Orifice	230	0.1				0.2
15 minute winter	230	5.008	249	423.7	1.524	1.219	11.1534	
15 minute winter	231	8.000	233	45.7	2.903	0.356	0.8820	
15 minute summer	232	9.000	233	0.0	0.000	0.000	0.0000	
15 minute winter	233	8.001	234	99.8	0.551	0.292	20.3013	
15 minute winter	234	8.002	241	131.4	0.466	0.384	3.3542	
15 minute winter	235	10.000	236	46.0	1.141	0.538	1.3488	
15 minute winter	236	10.001	237	64.7	1.607	0.581	2.0103	
15 minute winter	237	10.002	239	118.4	2.806	0.563	1.7401	
15 minute winter	238	11.000	239	83.9	2.156	0.519	3.2129	
15 minute winter	239	10.003	240	256.9	0.939	0.750	14.3515	
15 minute winter	240	10.004	241	278.6	0.989	0.814	1.8915	

Results for 100 year Critical Storm Duration. Lowest mass balance: 99.40%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	241	13	22.379	1.069	401.2	2.7213	0.0000	SURCHARGED
15 minute winter	242	13	22.293	1.030	410.3	2.6223	0.0000	SURCHARGED
15 minute winter	243	13	22.182	0.985	428.6	2.5065	0.0000	SURCHARGED
15 minute winter	244	12	22.255	0.736	77.4	1.8740	0.0000	SURCHARGED
15 minute winter	245	13	22.116	0.758	116.8	1.9294	0.0000	SURCHARGED
15 minute winter	246	13	22.123	0.825	145.7	2.0990	0.0000	SURCHARGED
15 minute winter	247	13	22.081	0.934	521.1	2.3781	0.0000	SURCHARGED
15 minute winter	248	13	21.703	0.690	519.7	1.7571	0.0000	SURCHARGED
30 minute winter	TANK 6	28	20.869	0.009	5.6	1.1910	0.0000	OK
30 minute winter	249	24	21.591	0.751	826.6	2.6026	0.0000	SURCHARGED
30 minute winter	251	25	21.536	1.174	811.0	0.0000	0.0000	OK
180 minute winter	253	180	21.493	1.443	270.3	0.0000	0.0000	SURCHARGED
180 minute winter	254	180	21.492	1.476	69.2	8.4533	0.0000	SURCHARGED
240 minute winter	255	188	17.265	0.313	11.6	1.4169	0.0000	OK
240 minute winter	256	184	17.264	0.479	21.8	2.7454	0.0000	OK
240 minute winter	257	184	17.264	1.104	20.8	6.3239	0.0000	OK
240 minute winter	258	184	17.264	1.127	88.2	6.4555	0.0000	OK
240 minute winter	259	184	17.264	1.153	87.3	6.6041	0.0000	OK
240 minute winter	260	180	17.264	1.265	79.8	7.2452	0.0000	SURCHARGED
240 minute winter	261	184	16.168	0.216	72.4	0.3809	0.0000	OK
240 minute winter	262	184	16.051	0.203	72.4	0.3585	0.0000	OK
240 minute winter	263	184	15.836	0.106	72.4	0.1880	0.0000	OK
240 minute winter	264	184	13.762	0.112	72.4	0.1973	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	241	8.003	242	396.6	1.408	1.158	5.2719	0.0
15 minute winter	242	8.004	243	398.5	1.415	1.164	7.4264	
15 minute winter	243	8.005	247	416.5	1.479	1.216	5.5766	
15 minute winter	244	12.000	245	-53.4	0.394	-0.156	18.1451	
15 minute winter	245	12.001	246	97.6	0.428	0.285	6.7811	
15 minute winter	246	12.002	247	144.0	0.747	0.420	17.0657	
15 minute winter	247	8.006	248	519.7	1.845	1.518	15.1021	
15 minute winter	248	8.007	249	522.6	1.856	1.572	2.7216	
30 minute winter	TANK 6	19.000	249	-5.6	-3.146	-0.140	0.0099	
30 minute winter	TANK 6	Orifice	249	0.0				
30 minute winter	249	5.009	251	811.0	2.105	1.318	7.1640	
30 minute winter	251	Flow through Pond	253	640.0	0.152	0.392	713.3173	
180 minute winter	253	5.013	254	69.2	0.370	0.112	6.0191	
180 minute winter	254	5.014	258	66.0	2.513	0.164	0.2777	
240 minute winter	255	13.000	256	11.3	0.381	0.005	21.8541	
240 minute winter	256	13.001	257	17.7	0.635	0.008	4.3428	
240 minute winter	257	13.002	258	17.3	0.330	0.003	15.1258	
240 minute winter	258	5.015	259	83.2	0.444	0.014	17.5506	
240 minute winter	259	5.016	260	74.3	0.199	0.012	80.8883	
240 minute winter	260	5.017	261	72.4	1.060	0.563	0.7638	
240 minute winter	261	5.018	262	72.4	1.146	0.563	1.5711	
240 minute winter	262	5.019	263	72.4	1.691	0.563	1.2288	
240 minute winter	263	5.020	264	72.4	2.727	0.174	1.2823	
240 minute winter	264	5.021	265	72.4	2.785	0.169	0.4572	1710.8

Results for 100 year Critical Storm Duration. Lowest mass balance: 99.40%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	265	184	12.954	0.103	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)
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Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.40%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	201	11	26.000	1.811	143.7	4.6090	0.9333	FLOOD
15 minute winter	202	11	25.993	1.914	126.8	4.8719	0.0000	FLOOD RISK
15 minute winter	203	11	25.975	1.931	195.5	4.9141	0.0000	FLOOD RISK
15 minute winter	204	11	25.999	1.051	68.9	2.6747	0.0000	SURCHARGED
15 minute winter	205	11	25.653	1.785	286.2	4.5440	0.0000	SURCHARGED
15 minute winter	206	11	25.500	1.280	47.8	3.2568	0.0000	SURCHARGED
15 minute winter	207	11	25.443	1.268	85.2	3.2259	0.0000	SURCHARGED
15 minute winter	208	11	25.426	1.285	133.8	3.2698	0.0000	SURCHARGED
15 minute winter	209	11	25.418	1.359	161.3	3.4577	0.0000	SURCHARGED
180 minute winter	TANK 1	176	24.724	0.791	40.1	80.0083	0.0000	SURCHARGED
15 minute winter	210	11	25.190	1.278	231.0	3.2520	0.0000	SURCHARGED
180 minute winter	TANK 2	176	24.724	0.935	46.8	94.5496	0.0000	SURCHARGED
15 minute winter	211	11	25.121	1.344	173.4	3.4214	0.0000	SURCHARGED
15 minute winter	212	11	25.130	1.410	351.2	3.5887	0.0000	SURCHARGED
180 minute winter	TANK 3	176	24.721	1.200	105.1	121.3866	0.0000	SURCHARGED
180 minute winter	213	176	24.721	1.221	142.8	3.1083	0.0000	SURCHARGED
180 minute winter	214	180	24.721	0.974	14.0	1.7203	0.0000	SURCHARGED
180 minute winter	215	180	24.721	1.035	26.2	1.8280	0.0000	SURCHARGED
180 minute winter	216	180	24.720	1.117	40.5	1.9746	0.0000	SURCHARGED
180 minute winter	217	176	24.720	1.189	49.9	3.0272	0.0000	SURCHARGED
180 minute winter	218	176	24.720	1.303	176.6	3.3173	0.0000	SURCHARGED
180 minute winter	219	180	24.720	1.491	175.8	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	201	1.000	202	95.8	0.722	0.596	6.9710	
15 minute winter	202	1.001	203	116.9	0.738	0.728	2.2234	
15 minute winter	203	1.002	205	194.1	1.225	1.208	11.1714	
15 minute winter	204	2.000	205	62.5	2.250	0.625	0.9270	
15 minute winter	205	1.003	212	290.6	1.834	1.809	9.3597	
15 minute winter	206	3.000	207	57.1	0.492	0.355	2.8534	
15 minute winter	207	3.001	208	111.0	0.718	0.691	2.1819	
15 minute winter	208	3.002	209	114.8	0.747	0.714	5.1835	
15 minute winter	209	3.003	210	177.1	1.118	1.102	9.3309	
180 minute winter	TANK 1	14.000	210	-40.1	-3.015	-1.010	0.1466	
180 minute winter	TANK 1	Orifice	210	27.8				82.4
15 minute winter	210	3.004	211	79.6	0.797	0.496	8.5380	
180 minute winter	TANK 2	15.000	211	-46.8	-3.311	-1.177	0.1466	
180 minute winter	TANK 2	Orifice	211	26.8				69.5
15 minute winter	211	3.005	212	71.3	0.569	0.444	3.6090	
15 minute winter	212	1.004	213	305.0	1.925	1.899	9.1585	
180 minute winter	TANK 3	16.000	213	-105.1	-3.787	-2.644	0.1466	
180 minute winter	TANK 3	Orifice	213	25.8				66.9
180 minute winter	213	1.005	218	123.0	0.729	0.510	7.2118	
180 minute winter	214	4.000	215	13.7	0.404	0.085	3.8467	
180 minute winter	215	4.001	216	25.9	0.498	0.161	5.2884	
180 minute winter	216	4.002	217	40.2	0.521	0.250	4.5903	
180 minute winter	217	4.003	218	49.5	0.578	0.308	2.4402	
180 minute winter	218	1.006	219	175.8	0.945	0.729	3.6745	
180 minute winter	219	Flow through Pond	220	90.6	0.053	0.290	458.2071	

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.40%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	220	180	24.720	1.495	90.6	3.8047	0.0000	FLOOD RISK
180 minute winter	221	176	24.719	1.652	21.3	4.2039	0.0000	FLOOD RISK
180 minute winter	222	180	24.719	1.694	74.6	5.8675	0.0000	FLOOD RISK
15 minute winter	223	11	23.713	0.825	145.2	1.4578	0.0000	SURCHARGED
15 minute winter	224	11	23.093	1.461	195.3	2.5810	0.0000	SURCHARGED
15 minute winter	225	11	23.462	0.860	88.7	2.1883	0.0000	SURCHARGED
15 minute winter	226	11	23.065	1.580	340.1	4.0219	0.0000	SURCHARGED
15 minute winter	227	11	23.002	1.551	383.7	3.9478	0.0000	SURCHARGED
15 minute winter	228	11	22.926	1.503	447.1	3.8257	0.0000	SURCHARGED
30 minute winter	TANK 4	26	21.568	0.246	104.8	33.4930	0.0000	SURCHARGED
15 minute winter	229	11	22.605	1.332	573.6	3.3893	0.0000	SURCHARGED
240 minute winter	TANK 5	252	21.696	0.497	24.0	97.4344	0.0000	SURCHARGED
15 minute winter	230	11	22.158	1.065	602.8	2.7102	0.0000	SURCHARGED
15 minute winter	231	12	24.038	0.198	67.0	0.3503	0.0000	OK
15 minute summer	232	1	24.580	0.000	0.0	0.0000	0.0000	OK
15 minute winter	233	12	23.695	2.175	146.4	5.5342	0.0000	SURCHARGED
15 minute winter	234	12	23.668	2.328	180.4	5.9260	0.0000	SURCHARGED
15 minute winter	235	12	24.589	1.045	67.6	1.8466	0.0000	SURCHARGED
15 minute winter	236	12	24.510	1.165	94.8	2.0592	0.0000	SURCHARGED
15 minute winter	237	12	24.286	1.435	155.4	2.5351	0.0000	FLOOD RISK
15 minute winter	238	12	24.353	1.312	122.9	2.3184	0.0000	FLOOD RISK
15 minute winter	239	12	23.787	2.333	363.6	8.0815	3.5106	FLOOD
15 minute winter	240	12	23.691	2.364	363.0	6.0154	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)
180 minute winter	220	5.000	222	69.3	0.361	0.125	3.3243	
180 minute winter	221	6.000	222	34.4	0.178	0.143	3.5892	
180 minute winter	222	5.001	223	30.0	1.229	0.402	0.8527	
15 minute winter	223	5.002	224	136.3	2.491	0.838	3.1603	
15 minute winter	224	5.003	226	187.3	0.717	0.547	16.5618	
15 minute winter	225	7.000	226	83.0	2.088	2.076	0.4744	
15 minute winter	226	5.004	227	352.2	1.250	1.028	3.8102	
15 minute winter	227	5.005	228	395.2	1.403	1.154	3.1100	
15 minute winter	228	5.006	229	458.1	1.627	1.338	16.9071	
30 minute winter	TANK 4	17.000	229	-104.8	-3.332	-2.635	0.2806	
30 minute winter	TANK 4	Orifice	229	22.7				25.9
15 minute winter	229	5.007	230	481.9	1.711	1.407	20.2667	
240 minute winter	TANK 5	18.000	230	-24.0	-2.217	-0.604	0.2137	
240 minute winter	TANK 5	Orifice	230	5.5				46.6
15 minute winter	230	5.008	249	573.2	2.035	1.649	11.2595	
15 minute winter	231	8.000	233	64.5	2.953	0.502	1.2410	
15 minute summer	232	9.000	233	0.0	0.000	0.000	0.4173	
15 minute winter	233	8.001	234	123.7	0.601	0.361	20.3013	
15 minute winter	234	8.002	241	179.9	0.639	0.525	3.3542	
15 minute winter	235	10.000	236	66.9	1.206	0.783	2.3564	
15 minute winter	236	10.001	237	81.3	1.592	0.730	3.4658	
15 minute winter	237	10.002	239	136.2	2.736	0.648	2.1738	
15 minute winter	238	11.000	239	107.7	2.140	0.666	4.3049	
15 minute winter	239	10.003	240	317.1	1.126	0.926	14.3515	
15 minute winter	240	10.004	241	347.3	1.233	1.014	1.8915	

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.40%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	241	12	23.649	2.339	517.9	5.9520	0.0000	SURCHARGED
15 minute winter	242	12	23.468	2.205	527.4	5.6128	0.0000	SURCHARGED
15 minute winter	243	12	23.224	2.027	568.1	5.1600	0.0000	FLOOD RISK
15 minute winter	244	12	23.134	1.615	181.5	4.1090	0.0000	SURCHARGED
15 minute winter	245	12	23.062	1.704	201.3	4.3363	0.0000	SURCHARGED
15 minute winter	246	12	23.045	1.747	273.7	4.4474	0.0000	SURCHARGED
15 minute winter	247	12	22.981	1.834	782.8	4.6683	0.0000	SURCHARGED
15 minute winter	248	12	22.085	1.072	789.9	2.7292	0.0000	SURCHARGED
180 minute winter	TANK 6	176	21.719	0.859	82.0	109.1627	0.0000	SURCHARGED
15 minute winter	249	11	21.788	0.948	1352.6	3.2849	0.0000	SURCHARGED
180 minute winter	251	176	21.718	1.355	447.1	0.0000	0.0000	OK
180 minute winter	253	176	21.717	1.667	303.7	0.0000	0.0000	FLOOD RISK
180 minute winter	254	176	21.717	1.701	69.7	9.7380	0.0000	FLOOD RISK
360 minute winter	255	464	19.087	2.135	12.3	9.6602	0.0000	SURCHARGED
360 minute winter	256	456	19.087	2.302	20.4	13.1806	0.0000	SURCHARGED
360 minute winter	257	456	19.087	2.927	18.0	16.7618	0.0000	SURCHARGED
360 minute winter	258	456	19.087	2.950	81.3	16.8944	0.0000	SURCHARGED
360 minute winter	259	456	19.088	2.977	81.6	17.0439	0.0000	SURCHARGED
360 minute winter	260	456	19.088	3.089	78.7	17.6871	0.0000	FLOOD RISK
60 minute winter	261	44	16.168	0.216	72.4	0.3809	0.0000	OK
60 minute winter	262	44	16.051	0.203	72.4	0.3585	0.0000	OK
60 minute summer	263	59	15.836	0.106	72.4	0.1880	0.0000	OK
120 minute summer	264	216	13.762	0.112	72.4	0.1973	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	241	8.003	242	512.8	1.821	1.497	5.2719	
15 minute winter	242	8.004	243	536.1	1.903	1.565	7.4264	
15 minute winter	243	8.005	247	574.1	2.038	1.676	5.5766	
15 minute winter	244	12.000	245	-138.1	-0.490	-0.403	18.1451	
15 minute winter	245	12.001	246	-131.2	-0.466	-0.383	6.7811	
15 minute winter	246	12.002	247	266.8	0.947	0.779	17.0657	
15 minute winter	247	8.006	248	789.9	2.804	2.307	15.1021	
15 minute winter	248	8.007	249	794.7	2.822	2.390	2.7475	
180 minute winter	TANK 6	19.000	249	-82.0	-4.008	-2.063	0.1383	
180 minute winter	TANK 6	Orifice	249	26.4				98.7
15 minute winter	249	5.009	251	1306.7	2.971	2.124	7.1814	
180 minute winter	251	Flow through Pond	253	303.7	0.088	0.186	1320.5347	
180 minute winter	253	5.013	254	69.7	0.350	0.113	6.0191	
180 minute winter	254	5.014	258	66.9	2.522	0.167	0.2808	
360 minute winter	255	13.000	256	9.5	0.333	0.005	75.3408	
360 minute winter	256	13.001	257	14.2	0.564	0.007	11.2524	
360 minute winter	257	13.002	258	15.3	0.324	0.003	23.2189	
360 minute winter	258	5.015	259	77.7	0.450	0.013	26.2661	
360 minute winter	259	5.016	260	73.4	0.189	0.012	113.2427	
360 minute winter	260	5.017	261	72.4	1.060	0.563	0.7638	
60 minute winter	261	5.018	262	72.4	1.146	0.563	1.5713	
60 minute winter	262	5.019	263	72.4	1.691	0.563	1.2289	
60 minute summer	263	5.020	264	72.4	2.727	0.174	1.2824	
120 minute summer	264	5.021	265	72.4	2.785	0.169	0.4573	1384.5

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.40%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
60 minute winter	265	45	12.954	0.103	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 (m ³)	Discharge Vol (m ³)
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