

Design Settings

Rainfall Methodology	FEH-22	Maximum Time of Concentration (mins)	30.00	Preferred Cover Depth (m)	1.200
Return Period (years)	2	Maximum Rainfall (mm/hr)	50.0	Include Intermediate Ground	✓
Additional Flow (%)	0	Minimum Velocity (m/s)	1.00	Enforce best practice design rules	✓
CV	1.000	Connection Type	Level Soffits		
Time of Entry (mins)	5.00	Minimum Backdrop Height (m)	0.200		

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)	Invert Level (m)
132	0.029	5.00	7.725	1200	498920.814	103582.680	1.225	6.500
133	0.015	5.00	7.830	1200	498921.111	103595.998	1.485	6.345
134	0.005	5.00	7.820	1200	498930.013	103595.799	1.770	6.050
135	0.101	5.00	8.015	1350	498975.525	103587.849	2.350	5.665
146	0.058	5.00	7.985	1200	498987.022	103613.621	1.685	6.300
147	0.053	5.00	7.970	1200	498984.840	103563.287	1.880	6.090
148	0.024	5.00	8.115	1200	498983.411	103578.809	2.220	5.895
136	0.048	5.00	8.165	1350	498985.056	103585.515	2.615	5.550
149	0.033	5.00	7.640	1200	499054.797	103546.920	1.425	6.215
140	0.151	5.00	7.545	1350	499061.268	103569.318	2.670	4.875
141	0.007	5.00	7.505	1350	499069.012	103567.353	2.680	4.825
150	0.038	5.00	7.720	1200	499092.706	103595.925	1.425	6.295
143	0.041	5.00	7.815	1500	499098.720	103572.590	3.305	4.510
144	0.053	5.00	8.000	1500	499110.106	103539.692	3.840	4.160
145	0.067	5.00	7.830	1500	499120.398	103508.266	3.855	3.975
OUTFALL 7	0.116	5.00	7.500	1500	499123.127	103502.123	3.564	3.936
DUMMY 7			7.500	1500	499139.101	103501.907	3.604	3.896
151	0.048	5.00	8.120	1500	498922.238	103530.588	1.425	6.695
152	0.048	5.00	8.540	1500	498925.542	103500.993	2.025	6.515
153	0.104	5.00	7.995	1200	498970.242	103506.932	1.885	6.110
154	0.050	5.00	7.895	1200	498996.023	103512.345	1.985	5.910
158	0.045	5.00	7.525	1200	499038.632	103522.495	1.425	6.100
157	0.034	5.00	8.110	1200	498992.577	103532.404	1.425	6.685
155	0.069	5.00	7.875	1350	499001.972	103510.022	2.335	5.540

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)	Invert Level (m)
156	0.089	5.00	7.840	1350	499014.559	103469.484	3.340	4.500
159	0.080	5.00	8.610	1200	498960.193	103441.029	1.810	6.800
OUTFALL 8	0.100	5.00	7.910	1350	499019.683	103458.628	3.785	4.125
DUMMY 8			8.306	1350	499036.810	103459.023	4.234	4.072
118	0.039	5.00	7.430	1500	498924.752	103640.009	1.430	6.000
119	0.069	5.00	7.655	1500	498927.947	103663.451	1.810	5.845
120	0.028	5.00	7.900	1500	498932.238	103686.318	2.195	5.705
121			8.140	1500	498955.311	103682.569	2.575	5.565
122	0.062	5.00	7.910	1200	498959.086	103704.932	3.150	4.760
OUTFALL 4	0.058	5.00	7.910	1200	498960.608	103713.649	4.109	3.801
DUMMY 4			7.910	1200	498968.127	103712.614	4.154	3.756
126	0.039	5.00	8.250	1350	499035.043	103632.789	1.720	6.530
127	0.059	5.00	8.300	1350	499054.098	103626.111	2.030	6.270
128	0.035	5.00	7.975	1200	499079.179	103622.228	2.030	5.945
129			7.900	1200	499090.694	103622.265	2.090	5.810
130	0.024	5.00	8.030	1200	499091.841	103639.613	2.430	5.600
131	0.121	5.00	8.125	1200	499093.666	103653.238	3.025	5.100
OUTFALL 6			8.179	1200	499100.331	103666.418	4.625	3.554
DUMMY 6			8.179	1200	499110.861	103664.024	4.689	3.490
100	0.034	5.00	6.810	1200	499004.798	103890.807	1.425	5.385
101	0.019	5.00	6.935	1200	498990.822	103887.683	1.635	5.300
102	0.015	5.00	7.035	1200	498979.311	103881.906	1.815	5.220
103	0.014	5.00	7.150	1200	498969.556	103871.916	2.015	5.135
104	0.020	5.00	7.260	1200	498963.203	103860.110	2.205	5.055
105	0.020	5.00	7.355	1200	498960.172	103848.965	2.660	4.695
106	0.012	5.00	7.430	1200	498959.590	103839.992	4.090	3.340
107	0.044	5.00	7.750	1200	498958.400	103822.968	3.410	4.340
OUTFALL 1			7.754	1200	498959.687	103832.016	4.628	3.126
DUMMY 1			7.754	1200	498966.276	103831.400	4.667	3.087
113	0.034	5.00	8.190	1200	498951.878	103791.486	1.425	6.765
114	0.080	5.00	8.305	1200	498949.116	103752.283	1.775	6.530
115	0.051	5.00	7.770	1200	498945.901	103729.562	2.570	5.200

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)	Invert Level (m)
OUTFALL 3			7.542	1200	498943.987	103716.688	3.638	3.904
DUMMY 3			7.542	1200	498952.356	103715.419	3.688	3.854
108	0.039	5.00	7.600	1200	499059.482	103871.442	1.425	6.175
109	0.045	5.00	7.870	1200	499048.564	103843.937	1.870	6.000
110	0.082	5.00	7.680	1200	499039.499	103821.063	2.710	4.970
111	0.064	5.00	7.850	1200	499023.584	103783.174	1.425	6.425
112	0.059	5.00	7.665	1200	499032.718	103804.669	3.510	4.155
OUTFALL 2			7.669	1200	499036.213	103812.440	4.088	3.581
DUMMY 2			7.669	1200	499045.559	103808.816	4.148	3.521
123	0.064	5.00	7.770	1200	498988.041	103645.865	1.425	6.345
124	0.082	5.00	7.820	1200	498992.125	103673.648	1.640	6.180
125	0.024	5.00	8.010	1200	498995.964	103693.685	2.870	5.140
116	0.035	5.00	8.255	1200	499006.355	103740.449	1.425	6.830
117	0.042	5.00	8.180	1200	499001.412	103718.918	3.050	5.130
OUTFALL 5	0.028	5.00	8.155	1200	498999.573	103706.527	4.420	3.735
DUMMY 5			8.155	1200	499010.079	103705.477	4.483	3.672
137	0.019	5.00	8.270	1350	498994.711	103582.812	2.755	5.515
138	0.002	5.00	8.335	1350	499008.853	103583.335	2.870	5.465
142	0.018	5.00	7.540	1350	499077.116	103566.818	2.765	4.775
139	0.026	5.00	7.940	1350	499035.524	103576.993	2.575	5.365
159A			8.160	1200	499010.080	103455.807	2.590	5.570

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	132	133	13.321	0.600	6.500	6.420	0.080	166.5	225	5.22	50.0
1.001	133	134	8.904	0.600	6.345	6.050	0.295	30.2	300	5.27	50.0
1.002	134	135	46.201	0.600	6.050	5.740	0.310	149.0	300	5.87	50.0
1.003	135	136	9.813	0.600	5.665	5.550	0.115	85.3	375	5.95	50.0
2.000	146	136	28.175	0.600	6.300	5.700	0.600	47.0	225	5.25	50.0
3.000	147	148	15.588	0.600	6.090	5.895	0.195	79.9	225	5.18	50.0
3.001	148	136	6.905	0.600	5.895	5.700	0.195	35.4	225	5.23	50.0
1.004	136	137	10.026	0.600	5.550	5.515	0.035	286.5	375	6.11	50.0
4.000	149	140	23.314	0.600	6.215	5.100	1.115	20.9	225	5.14	50.0
1.008	140	141	7.989	0.600	4.875	4.825	0.050	159.8	450	7.03	48.8
1.009	141	142	8.122	0.600	4.825	4.775	0.050	162.4	450	7.12	48.6
5.000	150	143	24.098	0.600	6.295	6.150	0.145	166.2	225	5.40	50.0
1.011	143	144	34.813	0.600	4.510	4.160	0.350	99.5	525	7.57	47.1
1.012	144	145	33.068	0.600	4.160	3.975	0.185	178.7	525	7.90	46.1

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	40.2	5.2	1.000	1.185	0.029	0.0	55	0.703
1.001	2.872	203.0	8.0	1.185	1.470	0.044	0.0	40	1.412
1.002	1.285	90.9	8.9	1.470	1.975	0.049	0.0	63	0.825
1.003	1.962	216.7	27.1	1.975	2.240	0.150	0.0	89	1.356
2.000	1.913	76.1	10.5	1.460	2.240	0.058	0.0	56	1.348
3.000	1.464	58.2	9.6	1.655	1.995	0.053	0.0	61	1.083
3.001	2.205	87.7	13.9	1.995	2.240	0.077	0.0	60	1.621
1.004	1.065	117.6	60.2	2.240	2.380	0.333	0.0	190	1.071
4.000	2.874	114.3	6.0	1.200	2.220	0.033	0.0	35	1.532
1.008	1.605	255.3	99.5	2.220	2.230	0.564	0.0	195	1.509
1.009	1.592	253.2	100.2	2.230	2.315	0.571	0.0	196	1.503
5.000	1.011	40.2	6.9	1.200	1.440	0.038	0.0	63	0.759
1.011	2.246	486.1	113.7	2.780	3.315	0.668	0.0	171	1.846
1.012	1.672	361.9	120.0	3.315	3.330	0.721	0.0	207	1.508

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)
1.013	145	OUTFALL 7	6.722	0.600	3.975	3.936	0.039	172.4	525	7.97	45.8
1.014	OUTFALL 7	DUMMY 7	15.975	0.600	3.936	3.896	0.040	399.4	525	8.21	45.2
6.000	151	152	29.779	0.600	6.695	6.515	0.180	165.4	225	5.49	50.0
6.001	152	153	45.093	0.600	6.515	6.185	0.330	136.6	225	6.16	50.0
6.002	153	154	26.343	0.600	6.110	5.910	0.200	131.7	300	6.48	50.0
6.003	154	155	6.386	0.600	5.910	5.615	0.295	21.6	300	6.52	50.0
7.000	158	155	38.724	0.600	6.100	5.690	0.410	94.4	225	5.48	50.0
8.000	157	155	24.274	0.600	6.685	5.690	0.995	24.4	225	5.15	50.0
6.004	155	156	42.447	0.600	5.540	4.500	1.040	40.8	375	6.76	49.8
6.005	156	OUTFALL 8	12.005	0.600	4.500	4.200	0.300	40.0	375	6.83	49.6
6.006	OUTFALL 8	DUMMY 8	17.132	0.600	4.125	4.072	0.053	323.2	450	7.09	48.7
11.000	118	119	23.659	0.600	6.000	5.845	0.155	152.6	225	5.37	50.0
11.001	119	120	23.266	0.600	5.845	5.705	0.140	166.2	225	5.76	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)
1.013	1.703	368.6	130.6	3.330	3.039	0.788	0.0	215	1.562
1.014	1.114	241.2	147.6	3.039	3.079	0.904	0.0	297	1.167
6.000	1.014	40.3	8.7	1.200	1.800	0.048	0.0	71	0.812
6.001	1.116	44.4	17.3	1.800	1.585	0.096	0.0	98	1.051
6.002	1.368	96.7	36.1	1.585	1.685	0.200	0.0	127	1.272
6.003	3.393	239.9	45.2	1.685	1.960	0.250	0.0	88	2.623
7.000	1.345	53.5	8.1	1.200	1.960	0.045	0.0	59	0.980
8.000	2.660	105.7	6.1	1.200	1.960	0.034	0.0	36	1.461
6.004	2.843	314.0	71.7	1.960	2.965	0.398	0.0	121	2.321
6.005	2.871	317.1	87.2	2.965	3.335	0.487	0.0	134	2.463
6.006	1.125	178.9	117.3	3.335	3.784	0.667	0.0	266	1.196
11.000	1.056	42.0	7.0	1.205	1.585	0.039	0.0	62	0.787
11.001	1.011	40.2	19.5	1.585	1.970	0.108	0.0	110	1.003

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)
11.002	120	121	23.376	0.600	5.705	5.565	0.140	167.0	225	6.14	50.0
11.003	121	122	22.679	0.600	5.565	4.760	0.805	28.2	225	6.30	50.0
11.004	122	OUTFALL 4	8.849	0.600	4.760	3.876	0.884	10.0	225	6.33	50.0
11.005	OUTFALL 4	DUMMY 4	7.590	0.600	3.801	3.756	0.045	168.7	300	6.44	50.0
10.000	126	127	20.191	0.600	6.530	6.270	0.260	77.7	225	5.23	50.0
10.001	127	128	25.380	0.600	6.270	5.945	0.325	78.1	225	5.51	50.0
10.002	128	129	11.515	0.600	5.945	5.810	0.135	85.3	225	5.65	50.0
10.003	129	130	17.386	0.600	5.810	5.600	0.210	82.8	225	5.85	50.0
10.004	130	131	13.747	0.600	5.600	5.100	0.500	27.5	225	5.94	50.0
10.005	131	OUTFALL 6	14.769	0.600	5.100	3.629	1.471	10.0	225	6.00	50.0
10.006	OUTFALL 6	DUMMY 6	10.799	0.600	3.554	3.490	0.064	168.7	300	6.15	50.0
12.000	100	101	14.321	0.600	5.385	5.300	0.085	168.5	225	5.24	50.0
12.001	101	102	12.879	0.600	5.300	5.220	0.080	161.0	225	5.45	50.0
12.002	102	103	13.963	0.600	5.220	5.135	0.085	164.3	225	5.68	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)
11.002	1.009	40.1	24.6	1.970	2.350	0.136	0.0	127	1.057
11.003	2.474	98.4	24.6	2.350	2.925	0.136	0.0	76	2.060
11.004	4.159	165.4	35.8	2.925	3.809	0.198	0.0	71	3.338
11.005	1.208	85.4	46.3	3.809	3.854	0.256	0.0	157	1.231
10.000	1.485	59.0	7.0	1.495	1.805	0.039	0.0	52	1.007
10.001	1.481	58.9	17.7	1.805	1.805	0.098	0.0	85	1.302
10.002	1.416	56.3	24.0	1.805	1.865	0.133	0.0	102	1.361
10.003	1.438	57.2	24.0	1.865	2.205	0.133	0.0	102	1.376
10.004	2.505	99.6	28.4	2.205	2.800	0.157	0.0	82	2.169
10.005	4.153	165.1	50.2	2.800	4.325	0.278	0.0	85	3.655
10.006	1.207	85.3	50.2	4.325	4.389	0.278	0.0	166	1.254
12.000	1.004	39.9	6.1	1.200	1.410	0.034	0.0	59	0.730
12.001	1.028	40.9	9.6	1.410	1.590	0.053	0.0	74	0.844
12.002	1.017	40.4	12.3	1.590	1.790	0.068	0.0	85	0.894

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)
12.003	103	104	13.407	0.600	5.135	5.055	0.080	167.6	225	5.90	50.0
12.004	104	105	11.550	0.600	5.055	4.695	0.360	32.1	225	5.98	50.0
12.005	105	106	8.992	0.600	4.695	3.795	0.900	10.0	225	6.02	50.0
12.006	106	OUTFALL 1	7.977	0.600	3.340	3.126	0.214	37.3	225	6.08	50.0
13.000	107	OUTFALL 1	9.139	0.600	4.340	3.942	0.398	23.0	225	5.06	50.0
12.007	OUTFALL 1	DUMMY 1	6.618	0.600	3.126	3.087	0.039	169.7	225	6.19	50.0
14.000	113	114	39.300	0.600	6.765	6.530	0.235	167.2	225	5.65	50.0
14.001	114	115	22.947	0.600	6.530	5.200	1.330	17.3	225	5.77	50.0
14.002	115	OUTFALL 3	13.016	0.600	5.200	3.904	1.296	10.0	225	5.82	50.0
14.003	OUTFALL 3	DUMMY 3	8.465	0.600	3.904	3.854	0.050	169.3	225	5.96	50.0
15.000	108	109	29.593	0.600	6.175	6.000	0.175	169.1	225	5.49	50.0
15.001	109	110	24.605	0.600	6.000	4.970	1.030	23.9	225	5.64	50.0
15.002	110	OUTFALL 2	9.228	0.600	4.970	4.942	0.028	329.6	300	5.82	50.0
16.000	111	112	23.355	0.600	6.425	4.155	2.270	10.3	225	5.09	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)
12.003	1.007	40.0	14.8	1.790	1.980	0.082	0.0	94	0.932
12.004	2.318	92.1	18.4	1.980	2.435	0.102	0.0	68	1.822
12.005	4.163	165.5	22.0	2.435	3.410	0.122	0.0	55	2.910
12.006	2.149	85.5	24.2	3.865	4.403	0.134	0.0	81	1.851
13.000	2.742	109.0	8.0	3.185	3.587	0.044	0.0	41	1.613
12.007	1.001	39.8	32.2	4.403	4.442	0.178	0.0	154	1.111
14.000	1.008	40.1	6.1	1.200	1.550	0.034	0.0	59	0.733
14.001	3.165	125.8	20.6	1.550	2.345	0.114	0.0	61	2.346
14.002	4.153	165.1	29.8	2.345	3.413	0.165	0.0	65	3.175
14.003	1.002	39.8	29.8	3.413	3.463	0.165	0.0	145	1.096
15.000	1.002	39.9	7.0	1.200	1.645	0.039	0.0	64	0.758
15.001	2.688	106.9	15.2	1.645	2.485	0.084	0.0	57	1.911
15.002	0.860	60.8	30.0	2.410	2.427	0.166	0.0	149	0.857
16.000	4.102	163.1	11.6	1.200	3.285	0.064	0.0	40	2.385

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
16.001	112	OUTFALL 2	8.521	0.600	4.155	3.656	0.499	17.1	225	5.14	50.0
15.003	OUTFALL 2	DUMMY 2	10.024	0.600	3.581	3.521	0.060	167.1	300	5.96	50.0
17.000	123	124	28.082	0.600	6.345	6.180	0.165	170.2	225	5.47	50.0
17.001	124	125	20.401	0.600	6.180	5.140	1.040	19.6	225	5.58	50.0
17.002	125	OUTFALL 5	13.339	0.600	5.140	3.810	1.330	10.0	225	5.64	50.0
18.000	116	117	22.091	0.600	6.830	5.130	1.700	13.0	225	5.10	50.0
18.001	117	OUTFALL 5	12.527	0.600	5.130	3.810	1.320	9.5	225	5.15	50.0
17.003	OUTFALL 5	DUMMY 5	10.558	0.600	3.735	3.672	0.063	167.6	300	5.78	50.0
1.005	137	138	14.152	0.600	5.515	5.465	0.050	283.0	375	6.33	50.0
1.006	138	139	27.415	0.600	5.465	5.365	0.100	274.1	375	6.75	49.9
1.010	142	143	22.362	0.600	4.775	4.585	0.190	117.7	450	7.32	47.9
1.007	139	140	26.864	0.600	5.365	4.950	0.415	64.7	375	6.95	49.1
9.000	159	159A	52.030	0.600	6.800	5.570	1.230	42.3	225	5.43	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)
16.001	3.182	126.5	22.2	3.285	3.788	0.123	0.0	64	2.414
15.003	1.213	85.8	52.2	3.788	3.848	0.289	0.0	169	1.270
17.000	0.999	39.7	11.6	1.200	1.415	0.064	0.0	83	0.869
17.001	2.967	118.0	26.4	1.415	2.645	0.146	0.0	72	2.396
17.002	4.155	165.2	30.7	2.645	4.120	0.170	0.0	65	3.200
18.000	3.649	145.1	6.3	1.200	2.825	0.035	0.0	32	1.855
18.001	4.272	169.9	13.9	2.825	4.120	0.077	0.0	44	2.611
17.003	1.211	85.6	49.7	4.120	4.183	0.275	0.0	164	1.255
1.005	1.072	118.4	63.6	2.380	2.495	0.352	0.0	196	1.091
1.006	1.089	120.3	63.8	2.495	2.200	0.354	0.0	194	1.105
1.010	1.873	297.8	102.0	2.315	2.780	0.589	0.0	181	1.705
1.007	2.255	249.0	67.5	2.200	2.220	0.380	0.0	133	1.928
9.000	2.017	80.2	14.5	1.585	2.365	0.080	0.0	65	1.540

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
9.001	159A	OUTFALL 8	10.009	0.600	5.570	5.511	0.059	169.0	225	5.60	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)
9.001	1.003	39.9	14.5	2.365	2.174	0.080	0.0	94	0.924

Simulation Settings

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

Storm Durations

15	60	180	360	600	960	2160	4320	7200	10080
30	120	240	480	720	1440	2880	5760	8640	

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

Node 134 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Width (m)	6.600	Depth (m)	0.300
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	6.050	Length (m)	11.800	Inf Depth (m)	
Safety Factor	2.0	Time to half empty (mins)	4	Slope (1:X)	9999.0		

Node 121 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Width (m)	5.000	Depth (m)	0.500
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	5.565	Length (m)	34.000	Inf Depth (m)	
Safety Factor	2.0	Time to half empty (mins)	6	Slope (1:X)	9999.0		

Node 126 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Width (m)	2.500	Depth (m)	0.400
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	6.530	Length (m)	7.500	Inf Depth (m)	
Safety Factor	2.0	Time to half empty (mins)	2	Slope (1:X)	9999.0		

Node 152 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Width (m)	2.500	Depth (m)	0.700
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	6.515	Length (m)	14.000	Inf Depth (m)	
Safety Factor	2.0	Time to half empty (mins)	3	Slope (1:X)	9999.0		

Node 132 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	6.500
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	20.0	20.0	0.800	20.0	32.7	0.801	0.0	32.7

Node 158 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Width (m)	2.500	Depth (m)	0.700
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	6.100	Length (m)	12.000	Inf Depth (m)	
Safety Factor	2.0	Time to half empty (mins)	2	Slope (1:X)	9999.0		

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	132	12	6.549	0.049	5.4	0.9952	0.0000	OK
15 minute summer	133	11	6.382	0.037	6.3	0.0417	0.0000	OK
30 minute summer	134	21	6.101	0.051	7.0	1.0782	0.0000	OK
15 minute summer	135	11	5.749	0.084	21.4	0.1197	0.0000	OK
15 minute summer	146	10	6.358	0.058	10.9	0.0659	0.0000	OK
15 minute summer	147	10	6.155	0.065	9.9	0.0730	0.0000	OK
15 minute summer	148	10	5.962	0.067	14.3	0.0758	0.0000	OK
15 minute summer	136	11	5.759	0.209	54.6	0.2998	0.0000	OK
15 minute summer	149	10	6.251	0.036	6.2	0.0406	0.0000	OK
15 minute summer	140	11	5.108	0.233	95.9	0.3327	0.0000	OK
15 minute summer	141	11	5.045	0.220	97.2	0.3153	0.0000	OK
15 minute summer	150	10	6.360	0.065	7.1	0.0731	0.0000	OK
15 minute summer	143	11	4.691	0.181	114.5	0.3196	0.0000	OK
15 minute summer	144	11	4.386	0.226	124.0	0.3988	0.0000	OK
15 minute summer	145	12	4.282	0.307	133.7	0.5421	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	132	1.000	133	4.0	0.639	0.100	0.0837	
15 minute summer	133	1.001	134	6.3	1.306	0.031	0.0522	
30 minute summer	134	1.002	135	5.7	0.724	0.063	0.3648	
15 minute summer	135	1.003	136	21.4	0.544	0.099	0.4001	
15 minute summer	146	2.000	136	10.7	1.341	0.141	0.2288	
15 minute summer	147	3.000	148	9.8	1.019	0.169	0.1503	
15 minute summer	148	3.001	136	14.2	1.532	0.162	0.0641	
15 minute summer	136	1.004	137	54.6	0.882	0.464	0.6209	
15 minute summer	149	4.000	140	6.1	1.524	0.054	0.0936	
15 minute summer	140	1.008	141	95.9	1.201	0.376	0.6380	
15 minute summer	141	1.009	142	97.1	1.363	0.384	0.5792	
15 minute summer	150	5.000	143	6.9	0.754	0.173	0.2219	
15 minute summer	143	1.011	144	114.5	1.484	0.236	2.6901	
15 minute summer	144	1.012	145	122.2	1.117	0.338	3.6158	
15 minute summer	145	1.013	OUTFALL 7	134.0	1.019	0.364	0.8838	

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	OUTFALL 7	12	4.245	0.309	151.1	0.5453	0.0000	OK
15 minute summer	DUMMY 7	12	4.157	0.261	152.4	0.0000	0.0000	OK
15 minute summer	151	10	6.766	0.071	9.0	0.1262	0.0000	OK
15 minute summer	152	11	6.611	0.096	17.9	0.9110	0.0000	OK
15 minute summer	153	11	6.241	0.131	34.9	0.1484	0.0000	OK
15 minute summer	154	11	6.010	0.100	43.8	0.1135	0.0000	OK
15 minute summer	158	11	6.159	0.059	8.4	0.5102	0.0000	OK
15 minute summer	157	10	6.723	0.038	6.4	0.0428	0.0000	OK
15 minute summer	155	11	5.659	0.119	70.1	0.1702	0.0000	OK
15 minute summer	156	11	4.649	0.149	86.0	0.2139	0.0000	OK
15 minute summer	159	10	6.865	0.065	15.0	0.0737	0.0000	OK
15 minute summer	OUTFALL 8	11	4.406	0.281	118.7	0.4028	0.0000	OK
15 minute summer	DUMMY 8	11	4.313	0.241	118.9	0.0000	0.0000	OK
15 minute summer	118	10	6.063	0.063	7.3	0.1105	0.0000	OK
15 minute summer	119	10	5.960	0.115	20.1	0.2032	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	OUTFALL 7	1.014	DUMMY 7	152.4	1.273	0.632	1.9114	73.1
15 minute summer	151	6.000	152	8.9	0.714	0.222	0.3998	
15 minute summer	152	6.001	153	16.3	1.031	0.367	0.7167	
15 minute summer	153	6.002	154	34.8	1.390	0.360	0.6620	
15 minute summer	154	6.003	155	43.7	2.347	0.182	0.1192	
15 minute summer	158	7.000	155	7.9	0.961	0.147	0.3167	
15 minute summer	157	8.000	155	6.3	1.455	0.060	0.1053	
15 minute summer	155	6.004	156	70.1	1.981	0.223	1.5054	
15 minute summer	156	6.005	OUTFALL 8	86.2	1.770	0.272	0.6188	
15 minute summer	159	9.000	159A	14.8	1.157	0.185	0.6920	
15 minute summer	OUTFALL 8	6.006	DUMMY 8	118.9	1.247	0.665	1.6331	54.0
15 minute summer	118	11.000	119	7.2	0.494	0.171	0.3476	
15 minute summer	119	11.001	120	19.7	0.866	0.491	0.5302	

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	120	10	5.841	0.136	24.8	0.2411	0.0000	OK
15 minute summer	121	13	5.638	0.073	25.1	3.3815	0.0000	OK
15 minute summer	122	12	4.827	0.067	29.5	0.0753	0.0000	OK
15 minute summer	OUTFALL 4	11	3.958	0.157	38.7	0.1772	0.0000	OK
15 minute summer	DUMMY 4	12	3.895	0.139	38.3	0.0000	0.0000	OK
15 minute summer	126	11	6.582	0.052	7.3	0.3670	0.0000	OK
15 minute summer	127	10	6.355	0.085	18.1	0.1215	0.0000	OK
15 minute summer	128	11	6.058	0.113	24.3	0.1273	0.0000	OK
15 minute summer	129	11	5.920	0.110	24.3	0.1245	0.0000	OK
15 minute summer	130	11	5.688	0.088	28.8	0.0994	0.0000	OK
15 minute summer	131	11	5.187	0.087	50.4	0.0983	0.0000	OK
15 minute summer	OUTFALL 6	11	3.737	0.183	50.5	0.2069	0.0000	OK
15 minute summer	DUMMY 6	11	3.654	0.164	50.7	0.0000	0.0000	OK
15 minute summer	100	10	5.446	0.061	6.4	0.0689	0.0000	OK
15 minute summer	101	10	5.379	0.079	9.9	0.0895	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	120	11.002	121	25.1	1.508	0.626	0.4084	
15 minute summer	121	11.003	122	20.6	2.006	0.209	0.2364	
15 minute summer	122	11.004	OUTFALL 4	29.5	2.791	0.178	0.0999	
15 minute summer	OUTFALL 4	11.005	DUMMY 4	38.3	1.112	0.449	0.2623	20.7
15 minute summer	126	10.000	127	7.1	0.696	0.120	0.2082	
15 minute summer	127	10.001	128	17.8	1.067	0.303	0.4247	
15 minute summer	128	10.002	129	24.3	1.244	0.432	0.2254	
15 minute summer	129	10.003	130	24.5	1.455	0.428	0.2925	
15 minute summer	130	10.004	131	28.8	2.023	0.289	0.1958	
15 minute summer	131	10.005	OUTFALL 6	50.5	3.151	0.306	0.2433	
15 minute summer	OUTFALL 6	10.006	DUMMY 6	50.7	1.200	0.594	0.4558	22.5
15 minute summer	100	12.000	101	6.3	0.602	0.159	0.1512	
15 minute summer	101	12.001	102	9.8	0.713	0.239	0.1769	

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	102	11	5.311	0.091	12.6	0.1033	0.0000	OK
15 minute summer	103	11	5.235	0.100	15.1	0.1130	0.0000	OK
15 minute summer	104	11	5.130	0.075	18.8	0.0849	0.0000	OK
15 minute summer	105	11	4.755	0.060	22.4	0.0677	0.0000	OK
15 minute summer	106	11	3.430	0.090	24.5	0.1020	0.0000	OK
15 minute summer	107	10	4.384	0.044	8.2	0.0493	0.0000	OK
15 minute summer	OUTFALL 1	11	3.301	0.175	32.5	0.1974	0.0000	OK
15 minute summer	DUMMY 1	11	3.238	0.151	32.5	0.0000	0.0000	OK
15 minute summer	113	10	6.825	0.060	6.4	0.0683	0.0000	OK
15 minute summer	114	10	6.593	0.063	21.2	0.0718	0.0000	OK
15 minute summer	115	10	5.265	0.065	30.6	0.0737	0.0000	OK
15 minute summer	OUTFALL 3	11	4.067	0.163	30.5	0.1845	0.0000	OK
15 minute summer	DUMMY 3	11	3.999	0.145	30.3	0.0000	0.0000	OK
15 minute summer	108	10	6.242	0.067	7.3	0.0754	0.0000	OK
15 minute summer	109	10	6.058	0.058	15.6	0.0651	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	102	12.002	103	12.6	0.784	0.311	0.2243	
15 minute summer	103	12.003	104	15.2	1.064	0.379	0.1917	
15 minute summer	104	12.004	105	18.8	1.882	0.204	0.1157	
15 minute summer	105	12.005	106	22.4	2.787	0.135	0.0723	
15 minute summer	106	12.006	OUTFALL 1	24.5	1.010	0.287	0.1911	
15 minute summer	107	13.000	OUTFALL 1	8.2	1.568	0.075	0.0475	
15 minute summer	OUTFALL 1	12.007	DUMMY 1	32.5	1.057	0.817	0.2032	14.4
15 minute summer	113	14.000	114	6.3	0.711	0.156	0.3484	
15 minute summer	114	14.001	115	21.0	2.249	0.167	0.2145	
15 minute summer	115	14.002	OUTFALL 3	30.5	1.511	0.184	0.2625	
15 minute summer	OUTFALL 3	14.003	DUMMY 3	30.3	1.045	0.760	0.2449	13.3
15 minute summer	108	15.000	109	7.2	0.809	0.181	0.2637	
15 minute summer	109	15.001	110	15.4	0.830	0.144	0.4607	

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	110	10	5.126	0.156	30.8	0.1768	0.0000	OK
15 minute summer	111	10	6.466	0.041	12.0	0.0465	0.0000	OK
15 minute summer	112	10	4.220	0.065	23.0	0.0730	0.0000	OK
15 minute summer	OUTFALL 2	10	3.770	0.189	53.1	0.2135	0.0000	OK
15 minute summer	DUMMY 2	10	3.689	0.168	52.8	0.0000	0.0000	OK
15 minute summer	123	10	6.432	0.087	12.0	0.0982	0.0000	OK
15 minute summer	124	10	6.258	0.078	27.2	0.0879	0.0000	OK
15 minute summer	125	10	5.206	0.066	31.5	0.0748	0.0000	OK
15 minute summer	116	10	6.863	0.033	6.6	0.0368	0.0000	OK
15 minute summer	117	10	5.174	0.044	14.4	0.0499	0.0000	OK
15 minute summer	OUTFALL 5	10	3.918	0.183	50.9	0.2070	0.0000	OK
15 minute summer	DUMMY 5	10	3.835	0.163	50.5	0.0000	0.0000	OK
15 minute summer	137	11	5.717	0.202	58.0	0.2894	0.0000	OK
15 minute summer	138	11	5.650	0.185	58.5	0.2647	0.0000	OK
15 minute summer	142	11	4.969	0.194	100.3	0.2780	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	110	15.002	OUTFALL 2	30.4	0.903	0.499	0.3108	
15 minute summer	111	16.000	112	11.9	1.684	0.073	0.1675	
15 minute summer	112	16.001	OUTFALL 2	22.9	1.833	0.181	0.1258	
15 minute summer	OUTFALL 2	15.003	DUMMY 2	52.8	1.214	0.616	0.4371	23.4
15 minute summer	123	17.000	124	11.8	0.902	0.298	0.3688	
15 minute summer	124	17.001	125	27.0	2.472	0.229	0.2231	
15 minute summer	125	17.002	OUTFALL 5	31.4	2.494	0.190	0.1904	
15 minute summer	116	18.000	117	6.6	1.467	0.045	0.0994	
15 minute summer	117	18.001	OUTFALL 5	14.4	1.922	0.085	0.1522	
15 minute summer	OUTFALL 5	17.003	DUMMY 5	50.5	1.202	0.590	0.4446	22.3
15 minute summer	137	1.005	138	58.1	1.014	0.491	0.8116	
15 minute summer	138	1.006	139	58.6	1.323	0.487	1.2171	
15 minute summer	142	1.010	143	100.2	1.628	0.337	1.3773	

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	139	11	5.497	0.132	63.2	0.1892	0.0000	OK
15 minute summer	159A	11	5.671	0.101	14.8	0.1141	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	139	1.007	140	62.9	1.722	0.253	1.0554	
15 minute summer	159A	9.001	OUTFALL 8	14.6	0.891	0.367	0.1643	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	132	12	6.588	0.088	13.8	1.7703	0.0000	OK
15 minute summer	133	11	6.407	0.062	18.5	0.0706	0.0000	OK
15 minute summer	134	12	6.141	0.091	20.7	1.9388	0.0000	OK
15 minute summer	135	11	6.041	0.376	62.1	0.5384	0.0000	SURCHARGED
15 minute summer	146	10	6.393	0.093	27.6	0.1050	0.0000	OK
15 minute summer	147	10	6.200	0.110	25.2	0.1246	0.0000	OK
15 minute summer	148	11	6.050	0.155	36.4	0.1754	0.0000	OK
15 minute summer	136	11	6.024	0.474	140.7	0.6789	0.0000	SURCHARGED
15 minute summer	149	10	6.271	0.056	15.7	0.0634	0.0000	OK
15 minute summer	140	11	5.365	0.490	241.2	0.7014	0.0000	SURCHARGED
15 minute summer	141	11	5.261	0.436	243.9	0.6245	0.0000	OK
15 minute summer	150	10	6.404	0.109	18.1	0.1233	0.0000	OK
15 minute summer	143	12	4.891	0.381	285.8	0.6731	0.0000	OK
15 minute summer	144	12	4.784	0.624	302.3	1.1023	0.0000	SURCHARGED
15 minute summer	145	12	4.603	0.628	329.4	1.1102	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	132	1.000	133	11.9	0.859	0.296	0.1843	
15 minute summer	133	1.001	134	18.4	1.495	0.091	0.1244	
15 minute summer	134	1.002	135	18.4	0.941	0.203	2.0219	
15 minute summer	135	1.003	136	63.4	0.642	0.293	1.0820	
15 minute summer	146	2.000	136	27.4	1.331	0.360	0.7778	
15 minute summer	147	3.000	148	25.0	1.227	0.430	0.3743	
15 minute summer	148	3.001	136	34.2	1.554	0.390	0.2381	
15 minute summer	136	1.004	137	139.3	1.263	1.184	1.1058	
15 minute summer	149	4.000	140	15.6	1.565	0.137	0.5519	
15 minute summer	140	1.008	141	240.7	1.520	0.943	1.2604	
15 minute summer	141	1.009	142	243.6	1.646	0.962	1.1863	
15 minute summer	150	5.000	143	17.7	0.965	0.441	0.4443	
15 minute summer	143	1.011	144	282.5	1.581	0.581	6.6819	
15 minute summer	144	1.012	145	304.4	1.409	0.841	7.1438	
15 minute summer	145	1.013	OUTFALL 7	330.2	1.529	0.896	1.4522	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	OUTFALL 7	11	4.513	0.577	373.5	1.0203	0.0000	SURCHARGED
15 minute summer	DUMMY 7	11	4.310	0.414	374.6	0.0000	0.0000	OK
15 minute summer	151	10	6.814	0.119	22.8	0.2105	0.0000	OK
15 minute summer	152	11	6.700	0.185	45.4	1.7888	0.0000	OK
15 minute summer	153	11	6.352	0.242	89.7	0.2739	0.0000	OK
15 minute summer	154	11	6.094	0.184	112.6	0.2085	0.0000	OK
15 minute summer	158	11	6.199	0.099	21.4	0.8650	0.0000	OK
15 minute summer	157	10	6.746	0.061	16.2	0.0688	0.0000	OK
15 minute summer	155	11	5.746	0.206	180.4	0.2949	0.0000	OK
15 minute summer	156	11	4.969	0.469	221.4	0.6712	0.0000	SURCHARGED
15 minute summer	159	10	6.908	0.108	38.1	0.1220	0.0000	OK
15 minute summer	OUTFALL 8	11	4.715	0.590	304.1	0.8448	0.0000	SURCHARGED
15 minute summer	DUMMY 8	11	4.456	0.384	304.2	0.0000	0.0000	OK
15 minute summer	118	11	6.345	0.345	18.6	0.6098	0.0000	SURCHARGED
15 minute summer	119	11	6.316	0.471	47.3	0.8321	0.0000	SURCHARGED
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	OUTFALL 7	1.014	DUMMY 7	374.6	1.773	1.553	3.1854	185.7
15 minute summer	151	6.000	152	22.6	0.861	0.560	0.8326	
15 minute summer	152	6.001	153	42.4	1.258	0.956	1.5246	
15 minute summer	153	6.002	154	89.8	1.678	0.929	1.4005	
15 minute summer	154	6.003	155	112.8	2.867	0.470	0.2511	
15 minute summer	158	7.000	155	20.7	1.249	0.386	0.6404	
15 minute summer	157	8.000	155	16.0	1.896	0.152	0.2053	
15 minute summer	155	6.004	156	181.0	2.154	0.576	3.6572	
15 minute summer	156	6.005	OUTFALL 8	221.5	2.008	0.698	1.3241	
15 minute summer	159	9.000	159A	37.7	1.419	0.471	1.4120	
15 minute summer	OUTFALL 8	6.006	DUMMY 8	304.2	1.932	1.700	2.5902	136.8
15 minute summer	118	11.000	119	17.1	0.562	0.406	0.9409	
15 minute summer	119	11.001	120	45.6	1.147	1.134	0.9253	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	120	11	6.093	0.388	58.3	0.6858	0.0000	SURCHARGED
15 minute summer	121	13	5.692	0.127	57.0	5.9757	0.0000	OK
15 minute summer	122	12	4.869	0.109	74.7	0.1228	0.0000	OK
15 minute summer	OUTFALL 4	11	4.132	0.331	100.1	0.3739	0.0000	SURCHARGED
15 minute summer	DUMMY 4	11	4.001	0.245	99.6	0.0000	0.0000	OK
15 minute summer	126	10	6.615	0.085	18.6	0.5973	0.0000	OK
15 minute summer	127	11	6.444	0.174	46.2	0.2492	0.0000	OK
15 minute summer	128	11	6.277	0.332	60.5	0.3752	0.0000	SURCHARGED
15 minute summer	129	11	6.066	0.256	59.3	0.2891	0.0000	SURCHARGED
15 minute summer	130	11	5.754	0.154	69.5	0.1742	0.0000	OK
15 minute summer	131	10	5.263	0.163	126.8	0.1840	0.0000	OK
15 minute summer	OUTFALL 6	10	3.985	0.431	125.9	0.4876	0.0000	SURCHARGED
15 minute summer	DUMMY 6	10	3.758	0.268	124.7	0.0000	0.0000	OK
15 minute summer	100	10	5.490	0.105	16.2	0.1190	0.0000	OK
15 minute summer	101	10	5.444	0.144	25.0	0.1624	0.0000	OK
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	120	11.002	121	57.0	1.640	1.420	0.7352	
15 minute summer	121	11.003	122	52.4	2.592	0.533	0.4710	
15 minute summer	122	11.004	OUTFALL 4	74.9	2.897	0.453	0.2599	
15 minute summer	OUTFALL 4	11.005	DUMMY 4	99.6	1.435	1.167	0.5007	52.6
15 minute summer	126	10.000	127	18.2	0.836	0.307	0.4706	
15 minute summer	127	10.001	128	43.9	1.226	0.746	0.9232	
15 minute summer	128	10.002	129	59.3	1.492	1.053	0.4580	
15 minute summer	129	10.003	130	58.5	1.722	1.023	0.5975	
15 minute summer	130	10.004	131	69.2	2.566	0.695	0.4103	
15 minute summer	131	10.005	OUTFALL 6	125.9	3.310	0.762	0.5207	
15 minute summer	OUTFALL 6	10.006	DUMMY 6	124.7	1.773	1.461	0.7384	57.0
15 minute summer	100	12.000	101	16.0	0.712	0.401	0.3218	
15 minute summer	101	12.001	102	24.6	0.836	0.602	0.3792	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	102	11	5.391	0.171	31.7	0.1929	0.0000	OK
15 minute summer	103	11	5.312	0.177	38.0	0.2007	0.0000	OK
15 minute summer	104	11	5.185	0.130	47.4	0.1469	0.0000	OK
15 minute summer	105	11	4.797	0.102	56.6	0.1158	0.0000	OK
15 minute summer	106	11	3.765	0.425	62.1	0.4811	0.0000	SURCHARGED
15 minute summer	107	10	4.412	0.072	20.9	0.0816	0.0000	OK
15 minute summer	OUTFALL 1	11	3.583	0.457	82.3	0.5172	0.0000	SURCHARGED
15 minute summer	DUMMY 1	10	3.300	0.213	82.4	0.0000	0.0000	OK
15 minute summer	113	10	6.865	0.100	16.2	0.1136	0.0000	OK
15 minute summer	114	10	6.637	0.107	54.0	0.1205	0.0000	OK
15 minute summer	115	10	5.312	0.112	78.0	0.1266	0.0000	OK
15 minute summer	OUTFALL 3	10	4.352	0.448	77.4	0.5072	0.0000	SURCHARGED
15 minute summer	DUMMY 3	11	4.067	0.213	76.7	0.0000	0.0000	OK
15 minute summer	108	10	6.286	0.111	18.6	0.1259	0.0000	OK
15 minute summer	109	10	6.094	0.094	39.8	0.1065	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	102	12.002	103	31.6	0.960	0.782	0.4600	
15 minute summer	103	12.003	104	38.3	1.324	0.955	0.3843	
15 minute summer	104	12.004	105	47.5	2.299	0.515	0.2384	
15 minute summer	105	12.005	106	56.7	3.495	0.342	0.1458	
15 minute summer	106	12.006	OUTFALL 1	62.2	1.565	0.728	0.3173	
15 minute summer	107	13.000	OUTFALL 1	20.8	2.009	0.191	0.0947	
15 minute summer	OUTFALL 1	12.007	DUMMY 1	82.4	2.073	2.072	0.2605	36.5
15 minute summer	113	14.000	114	15.9	0.901	0.398	0.7000	
15 minute summer	114	14.001	115	53.7	2.810	0.426	0.4384	
15 minute summer	115	14.002	OUTFALL 3	77.4	2.274	0.469	0.3871	
15 minute summer	OUTFALL 3	14.003	DUMMY 3	76.7	1.929	1.926	0.3330	33.8
15 minute summer	108	15.000	109	18.4	1.040	0.461	0.5225	
15 minute summer	109	15.001	110	39.5	1.218	0.369	0.6829	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	110	10	5.258	0.288	78.4	0.3259	0.0000	OK
15 minute summer	111	10	6.490	0.065	30.4	0.0740	0.0000	OK
15 minute summer	112	10	4.295	0.140	58.4	0.1581	0.0000	OK
15 minute summer	OUTFALL 2	10	4.046	0.465	135.1	0.5261	0.0000	SURCHARGED
15 minute summer	DUMMY 2	10	3.795	0.274	134.4	0.0000	0.0000	OK
15 minute summer	123	10	6.498	0.153	30.4	0.1729	0.0000	OK
15 minute summer	124	10	6.316	0.136	69.0	0.1540	0.0000	OK
15 minute summer	125	10	5.250	0.110	80.0	0.1245	0.0000	OK
15 minute summer	116	10	6.881	0.051	16.6	0.0578	0.0000	OK
15 minute summer	117	10	5.200	0.070	36.5	0.0797	0.0000	OK
15 minute summer	OUTFALL 5	10	4.178	0.443	129.3	0.5009	0.0000	SURCHARGED
15 minute summer	DUMMY 5	10	3.942	0.270	128.3	0.0000	0.0000	OK
15 minute summer	137	11	5.933	0.418	147.9	0.5985	0.0000	SURCHARGED
15 minute summer	138	12	5.807	0.342	148.3	0.4896	0.0000	OK
15 minute summer	142	11	5.132	0.357	251.8	0.5115	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	110	15.002	OUTFALL 2	77.6	1.225	1.277	0.5731	
15 minute summer	111	16.000	112	30.3	1.974	0.186	0.4144	
15 minute summer	112	16.001	OUTFALL 2	57.5	1.918	0.454	0.2799	
15 minute summer	OUTFALL 2	15.003	DUMMY 2	134.4	1.909	1.567	0.6910	59.3
15 minute summer	123	17.000	124	30.0	1.119	0.756	0.7559	
15 minute summer	124	17.001	125	68.6	3.089	0.582	0.4529	
15 minute summer	125	17.002	OUTFALL 5	79.6	2.549	0.482	0.3939	
15 minute summer	116	18.000	117	16.5	1.915	0.114	0.1918	
15 minute summer	117	18.001	OUTFALL 5	36.4	1.898	0.214	0.3155	
15 minute summer	OUTFALL 5	17.003	DUMMY 5	128.3	1.824	1.499	0.7242	56.5
15 minute summer	137	1.005	138	147.4	1.337	1.245	1.5272	
15 minute summer	138	1.006	139	147.3	1.625	1.225	2.4383	
15 minute summer	142	1.010	143	249.6	1.989	0.838	2.7987	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	139	12	5.599	0.234	158.6	0.3350	0.0000	OK
15 minute summer	159A	11	5.761	0.191	37.7	0.2156	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	139	1.007	140	157.5	1.791	0.633	2.4533	
15 minute summer	159A	9.001	OUTFALL 8	37.2	1.114	0.932	0.3323	

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	132	12	6.613	0.113	19.3	2.2841	0.0000	OK
15 minute summer	133	12	6.654	0.309	26.5	0.3495	0.0000	SURCHARGED
15 minute summer	134	12	6.565	0.515	71.8	7.0592	0.0000	SURCHARGED
15 minute summer	135	12	6.551	0.886	80.6	1.2680	0.0000	SURCHARGED
15 minute summer	146	12	6.570	0.270	38.6	0.3054	0.0000	SURCHARGED
15 minute summer	147	12	6.591	0.501	35.3	0.5665	0.0000	SURCHARGED
15 minute summer	148	12	6.553	0.658	50.1	0.7446	0.0000	SURCHARGED
15 minute summer	136	12	6.519	0.969	160.3	1.3871	0.0000	SURCHARGED
15 minute summer	149	10	6.281	0.066	22.0	0.0752	0.0000	OK
15 minute summer	140	11	5.801	0.926	271.8	1.3248	0.0000	SURCHARGED
15 minute summer	141	11	5.672	0.847	272.2	1.2122	0.0000	SURCHARGED
15 minute summer	150	10	6.429	0.134	25.3	0.1520	0.0000	OK
15 minute summer	143	11	5.283	0.773	332.2	1.3663	0.0000	SURCHARGED
15 minute summer	144	11	5.057	0.897	365.2	1.5857	0.0000	SURCHARGED
15 minute summer	145	11	4.796	0.821	407.5	1.4509	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	132	1.000	133	17.6	0.936	0.438	0.3985	
15 minute summer	133	1.001	134	32.8	1.575	0.161	0.6270	
15 minute summer	134	1.002	135	62.4	1.132	0.687	3.2534	
15 minute summer	135	1.003	136	91.5	0.830	0.422	1.0823	
15 minute summer	146	2.000	136	37.0	1.328	0.486	1.1205	
15 minute summer	147	3.000	148	34.9	1.210	0.600	0.6200	
15 minute summer	148	3.001	136	47.3	1.520	0.539	0.2746	
15 minute summer	136	1.004	137	155.8	1.412	1.324	1.1058	
15 minute summer	149	4.000	140	21.9	1.720	0.192	0.5777	
15 minute summer	140	1.008	141	268.1	1.692	1.050	1.2658	
15 minute summer	141	1.009	142	273.4	1.725	1.080	1.2869	
15 minute summer	150	5.000	143	24.8	1.044	0.618	0.5749	
15 minute summer	143	1.011	144	331.5	1.565	0.682	7.5207	
15 minute summer	144	1.012	145	364.9	1.689	1.008	7.1438	
15 minute summer	145	1.013	OUTFALL 7	407.4	1.886	1.105	1.4522	

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	OUTFALL 7	11	4.658	0.722	481.1	1.2753	0.0000	SURCHARGED
15 minute summer	DUMMY 7	11	4.357	0.461	481.1	0.0000	0.0000	OK
15 minute summer	151	12	7.012	0.317	32.0	0.5608	0.0000	SURCHARGED
15 minute summer	152	12	6.931	0.416	59.7	4.2317	0.0000	SURCHARGED
15 minute summer	153	11	6.484	0.374	111.6	0.4226	0.0000	SURCHARGED
15 minute summer	154	11	6.167	0.257	143.2	0.2904	0.0000	OK
15 minute summer	158	10	6.220	0.120	30.0	1.0455	0.0000	OK
15 minute summer	157	10	6.755	0.070	22.6	0.0794	0.0000	OK
15 minute summer	155	11	5.996	0.456	238.9	0.6525	0.0000	SURCHARGED
15 minute summer	156	11	5.328	0.828	283.9	1.1846	0.0000	SURCHARGED
15 minute summer	159	10	6.932	0.132	53.3	0.1497	0.0000	OK
15 minute summer	OUTFALL 8	10	4.921	0.796	397.4	1.1387	0.0000	SURCHARGED
15 minute summer	DUMMY 8	11	4.490	0.418	396.2	0.0000	0.0000	OK
15 minute summer	118	12	6.879	0.879	26.0	1.5529	0.0000	SURCHARGED
15 minute summer	119	12	6.822	0.977	65.2	1.7263	0.0000	SURCHARGED
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	OUTFALL 7	1.014	DUMMY 7	481.1	2.231	1.994	3.3312	258.7
15 minute summer	151	6.000	152	29.2	0.892	0.725	1.1843	
15 minute summer	152	6.001	153	54.9	1.388	1.237	1.7934	
15 minute summer	153	6.002	154	111.4	1.766	1.152	1.7732	
15 minute summer	154	6.003	155	141.1	2.875	0.588	0.4299	
15 minute summer	158	7.000	155	29.4	1.275	0.549	1.1766	
15 minute summer	157	8.000	155	22.5	1.890	0.213	0.6075	
15 minute summer	155	6.004	156	230.5	2.148	0.734	4.6818	
15 minute summer	156	6.005	OUTFALL 8	281.1	2.549	0.886	1.3241	
15 minute summer	159	9.000	159A	52.9	1.520	0.659	1.6663	
15 minute summer	OUTFALL 8	6.006	DUMMY 8	396.2	2.501	2.214	2.6723	192.9
15 minute summer	118	11.000	119	22.9	0.576	0.546	0.9409	
15 minute summer	119	11.001	120	62.0	1.558	1.541	0.9253	

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	120	12	6.422	0.717	79.8	1.2676	0.0000	SURCHARGED
15 minute summer	121	13	5.720	0.155	78.1	7.3407	0.0000	OK
15 minute summer	122	11	4.915	0.155	102.6	0.1748	0.0000	OK
15 minute summer	OUTFALL 4	11	4.260	0.459	138.4	0.5188	0.0000	SURCHARGED
15 minute summer	DUMMY 4	11	4.032	0.276	137.8	0.0000	0.0000	OK
15 minute summer	126	12	7.044	0.514	26.0	2.9849	0.0000	SURCHARGED
15 minute summer	127	12	7.013	0.743	60.4	1.0637	0.0000	SURCHARGED
15 minute summer	128	12	6.740	0.795	67.1	0.8992	0.0000	SURCHARGED
15 minute summer	129	12	6.470	0.660	66.5	0.7467	0.0000	SURCHARGED
15 minute summer	130	11	6.132	0.532	80.4	0.6019	0.0000	SURCHARGED
15 minute summer	131	11	5.752	0.652	150.8	0.7374	0.0000	SURCHARGED
15 minute summer	OUTFALL 6	11	4.094	0.540	150.3	0.6103	0.0000	SURCHARGED
15 minute summer	DUMMY 6	11	3.771	0.281	150.2	0.0000	0.0000	OK
15 minute summer	100	11	5.633	0.248	22.6	0.2806	0.0000	SURCHARGED
15 minute summer	101	11	5.601	0.301	33.2	0.3405	0.0000	SURCHARGED
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	120	11.002	121	78.1	2.104	1.946	0.8067	
15 minute summer	121	11.003	122	71.3	2.747	0.725	0.6484	
15 minute summer	122	11.004	OUTFALL 4	103.0	2.937	0.623	0.3046	
15 minute summer	OUTFALL 4	11.005	DUMMY 4	137.8	1.957	1.615	0.5247	73.4
15 minute summer	126	10.000	127	34.1	0.858	0.578	0.8030	
15 minute summer	127	10.001	128	51.1	1.286	0.869	1.0094	
15 minute summer	128	10.002	129	66.5	1.672	1.181	0.4580	
15 minute summer	129	10.003	130	72.6	1.826	1.270	0.6915	
15 minute summer	130	10.004	131	87.4	2.679	0.878	0.5467	
15 minute summer	131	10.005	OUTFALL 6	150.3	3.779	0.910	0.5874	
15 minute summer	OUTFALL 6	10.006	DUMMY 6	150.2	2.133	1.760	0.7504	79.5
15 minute summer	100	12.000	101	21.1	0.729	0.528	0.5696	
15 minute summer	101	12.001	102	32.7	0.843	0.801	0.5122	

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	102	11	5.530	0.310	42.2	0.3504	0.0000	SURCHARGED
15 minute summer	103	11	5.406	0.271	50.8	0.3063	0.0000	SURCHARGED
15 minute summer	104	11	5.215	0.160	63.0	0.1811	0.0000	OK
15 minute summer	105	9	4.810	0.115	75.5	0.1296	0.0000	OK
15 minute summer	106	11	4.120	0.780	82.8	0.8817	0.0000	SURCHARGED
15 minute summer	107	10	4.428	0.088	29.3	0.0991	0.0000	OK
15 minute summer	OUTFALL 1	11	3.803	0.677	110.0	0.7656	0.0000	SURCHARGED
15 minute summer	DUMMY 1	9	3.300	0.213	109.8	0.0000	0.0000	OK
15 minute summer	113	10	6.888	0.123	22.6	0.1394	0.0000	OK
15 minute summer	114	10	6.656	0.126	75.5	0.1424	0.0000	OK
15 minute summer	115	10	5.376	0.176	109.3	0.1991	0.0000	OK
15 minute summer	OUTFALL 3	11	4.627	0.723	107.9	0.8176	0.0000	SURCHARGED
15 minute summer	DUMMY 3	9	4.067	0.213	107.6	0.0000	0.0000	OK
15 minute summer	108	10	6.312	0.137	26.0	0.1547	0.0000	OK
15 minute summer	109	10	6.114	0.114	55.7	0.1292	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	102	12.002	103	41.9	1.053	1.035	0.5553	
15 minute summer	103	12.003	104	50.3	1.402	1.256	0.4692	
15 minute summer	104	12.004	105	62.8	2.524	0.681	0.2903	
15 minute summer	105	12.005	106	75.2	3.553	0.454	0.2689	
15 minute summer	106	12.006	OUTFALL 1	81.9	2.060	0.959	0.3173	
15 minute summer	107	13.000	OUTFALL 1	29.2	2.183	0.267	0.1221	
15 minute summer	OUTFALL 1	12.007	DUMMY 1	109.8	2.760	2.759	0.2605	51.0
15 minute summer	113	14.000	114	22.3	1.000	0.556	0.8861	
15 minute summer	114	14.001	115	75.3	2.802	0.598	0.6445	
15 minute summer	115	14.002	OUTFALL 3	107.9	2.778	0.653	0.4758	
15 minute summer	OUTFALL 3	14.003	DUMMY 3	107.6	2.707	2.703	0.3333	47.4
15 minute summer	108	15.000	109	25.7	1.130	0.645	0.6730	
15 minute summer	109	15.001	110	55.3	1.613	0.517	0.7380	

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	110	10	5.361	0.391	109.8	0.4421	0.0000	SURCHARGED
15 minute summer	111	10	6.503	0.078	42.6	0.0882	0.0000	OK
15 minute summer	112	11	4.594	0.439	81.7	0.4968	0.0000	SURCHARGED
15 minute summer	OUTFALL 2	11	4.281	0.700	187.0	0.7912	0.0000	SURCHARGED
15 minute summer	DUMMY 2	9	3.805	0.284	187.6	0.0000	0.0000	OK
15 minute summer	123	10	6.559	0.214	42.6	0.2419	0.0000	OK
15 minute summer	124	10	6.349	0.169	96.3	0.1917	0.0000	OK
15 minute summer	125	10	5.305	0.165	111.8	0.1869	0.0000	OK
15 minute summer	116	10	6.891	0.061	23.3	0.0686	0.0000	OK
15 minute summer	117	10	5.214	0.084	51.2	0.0953	0.0000	OK
15 minute summer	OUTFALL 5	10	4.406	0.671	180.4	0.7588	0.0000	SURCHARGED
15 minute summer	DUMMY 5	9	3.956	0.284	178.9	0.0000	0.0000	OK
15 minute summer	137	12	6.403	0.888	168.5	1.2700	0.0000	SURCHARGED
15 minute summer	138	12	6.244	0.779	165.8	1.1153	0.0000	SURCHARGED
15 minute summer	142	11	5.539	0.764	282.8	1.0929	0.0000	SURCHARGED
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	110	15.002	OUTFALL 2	109.1	1.560	1.794	0.6189	
15 minute summer	111	16.000	112	42.5	1.923	0.260	0.6069	
15 minute summer	112	16.001	OUTFALL 2	79.9	2.010	0.632	0.3389	
15 minute summer	OUTFALL 2	15.003	DUMMY 2	187.6	2.664	2.187	0.6987	83.0
15 minute summer	123	17.000	124	41.7	1.196	1.051	0.9983	
15 minute summer	124	17.001	125	95.8	3.082	0.812	0.6461	
15 minute summer	125	17.002	OUTFALL 5	110.9	2.904	0.671	0.4737	
15 minute summer	116	18.000	117	23.2	2.105	0.160	0.2447	
15 minute summer	117	18.001	OUTFALL 5	50.9	1.863	0.299	0.3340	
15 minute summer	OUTFALL 5	17.003	DUMMY 5	178.9	2.541	2.090	0.7360	79.0
15 minute summer	137	1.005	138	165.2	1.498	1.396	1.5609	
15 minute summer	138	1.006	139	172.5	1.612	1.434	3.0238	
15 minute summer	142	1.010	143	284.6	1.968	0.956	3.5431	

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	139	12	6.016	0.651	181.0	0.9312	0.0000	SURCHARGED
15 minute summer	159A	11	5.849	0.279	52.9	0.3161	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	139	1.007	140	198.9	1.879	0.799	2.9630	
15 minute summer	159A	9.001	OUTFALL 8	52.0	1.320	1.305	0.3775	

Results for 100 year Critical Storm Duration. Lowest mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	132	11	6.601	0.101	17.3	2.0390	0.0000	OK
15 minute summer	133	10	6.414	0.069	23.5	0.0782	0.0000	OK
15 minute summer	134	13	6.287	0.237	39.2	5.2760	0.0000	OK
15 minute summer	135	12	6.238	0.573	72.8	0.8194	0.0000	SURCHARGED
15 minute summer	146	10	6.405	0.105	34.5	0.1190	0.0000	OK
15 minute summer	147	11	6.354	0.264	31.6	0.2981	0.0000	SURCHARGED
15 minute summer	148	11	6.297	0.402	42.8	0.4542	0.0000	SURCHARGED
15 minute summer	136	12	6.225	0.675	160.0	0.9656	0.0000	SURCHARGED
15 minute summer	149	10	6.278	0.063	19.6	0.0709	0.0000	OK
15 minute summer	140	11	5.630	0.755	272.2	1.0800	0.0000	SURCHARGED
15 minute summer	141	11	5.511	0.686	269.8	0.9818	0.0000	SURCHARGED
15 minute summer	150	10	6.420	0.125	22.6	0.1414	0.0000	OK
15 minute summer	143	11	5.155	0.645	314.2	1.1399	0.0000	SURCHARGED
15 minute summer	144	11	4.952	0.792	341.3	1.3994	0.0000	SURCHARGED
15 minute summer	145	11	4.723	0.748	377.2	1.3224	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	132	1.000	133	15.1	0.914	0.376	0.2206	
15 minute summer	133	1.001	134	23.5	1.550	0.116	0.3117	
15 minute summer	134	1.002	135	53.5	1.020	0.589	3.0038	
15 minute summer	135	1.003	136	86.0	0.779	0.397	1.0823	
15 minute summer	146	2.000	136	34.3	1.287	0.451	0.8167	
15 minute summer	147	3.000	148	29.2	1.207	0.503	0.6200	
15 minute summer	148	3.001	136	41.2	1.478	0.469	0.2746	
15 minute summer	136	1.004	137	153.8	1.395	1.307	1.1058	
15 minute summer	149	4.000	140	19.5	1.673	0.171	0.5687	
15 minute summer	140	1.008	141	265.6	1.676	1.040	1.2658	
15 minute summer	141	1.009	142	267.5	1.690	1.056	1.2869	
15 minute summer	150	5.000	143	22.2	1.018	0.552	0.5272	
15 minute summer	143	1.011	144	312.7	1.592	0.643	7.5207	
15 minute summer	144	1.012	145	340.0	1.574	0.939	7.1438	
15 minute summer	145	1.013	OUTFALL 7	376.8	1.744	1.022	1.4522	

Results for 100 year Critical Storm Duration. Lowest mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	OUTFALL 7	11	4.605	0.669	442.7	1.1813	0.0000	SURCHARGED
15 minute summer	DUMMY 7	11	4.342	0.446	442.6	0.0000	0.0000	OK
15 minute summer	151	12	6.873	0.178	28.6	0.3144	0.0000	OK
15 minute summer	152	12	6.817	0.302	56.9	3.0011	0.0000	SURCHARGED
15 minute summer	153	11	6.432	0.322	104.6	0.3638	0.0000	SURCHARGED
15 minute summer	154	11	6.116	0.206	132.2	0.2327	0.0000	OK
15 minute summer	158	10	6.212	0.112	26.8	0.9820	0.0000	OK
15 minute summer	157	10	6.751	0.066	20.2	0.0749	0.0000	OK
15 minute summer	155	11	5.817	0.277	218.4	0.3960	0.0000	OK
15 minute summer	156	11	5.232	0.732	267.9	1.0478	0.0000	SURCHARGED
15 minute summer	159	10	6.923	0.123	47.6	0.1394	0.0000	OK
15 minute summer	OUTFALL 8	11	4.860	0.735	371.8	1.0516	0.0000	SURCHARGED
15 minute summer	DUMMY 8	11	4.483	0.411	372.1	0.0000	0.0000	OK
15 minute summer	118	11	6.668	0.668	23.2	1.1808	0.0000	SURCHARGED
15 minute summer	119	11	6.626	0.781	58.6	1.3800	0.0000	SURCHARGED
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	OUTFALL 7	1.014	DUMMY 7	442.6	2.063	1.835	3.2865	231.9
15 minute summer	151	6.000	152	28.3	0.881	0.702	1.0938	
15 minute summer	152	6.001	153	49.2	1.288	1.107	1.7934	
15 minute summer	153	6.002	154	103.1	1.720	1.066	1.6060	
15 minute summer	154	6.003	155	131.9	2.871	0.550	0.3253	
15 minute summer	158	7.000	155	26.3	1.293	0.491	0.8292	
15 minute summer	157	8.000	155	20.1	1.947	0.190	0.3946	
15 minute summer	155	6.004	156	217.4	2.121	0.692	4.1914	
15 minute summer	156	6.005	OUTFALL 8	268.6	2.435	0.847	1.3241	
15 minute summer	159	9.000	159A	47.2	1.488	0.589	1.6136	
15 minute summer	OUTFALL 8	6.006	DUMMY 8	372.1	2.349	2.080	2.6587	170.9
15 minute summer	118	11.000	119	20.7	0.571	0.494	0.9409	
15 minute summer	119	11.001	120	56.1	1.411	1.396	0.9253	

Results for 100 year Critical Storm Duration. Lowest mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	120	12	6.296	0.591	72.0	1.0443	0.0000	SURCHARGED
15 minute summer	121	13	5.710	0.145	70.5	6.8563	0.0000	OK
15 minute summer	122	12	4.896	0.136	92.6	0.1536	0.0000	OK
15 minute summer	OUTFALL 4	11	4.210	0.409	124.5	0.4627	0.0000	SURCHARGED
15 minute summer	DUMMY 4	11	4.023	0.267	124.0	0.0000	0.0000	OK
15 minute summer	126	12	6.752	0.222	23.2	1.5655	0.0000	OK
15 minute summer	127	12	6.717	0.447	53.9	0.6400	0.0000	SURCHARGED
15 minute summer	128	11	6.481	0.536	68.2	0.6058	0.0000	SURCHARGED
15 minute summer	129	11	6.241	0.431	66.5	0.4875	0.0000	SURCHARGED
15 minute summer	130	11	5.925	0.325	78.9	0.3679	0.0000	SURCHARGED
15 minute summer	131	11	5.544	0.444	145.6	0.5026	0.0000	SURCHARGED
15 minute summer	OUTFALL 6	11	4.059	0.505	142.2	0.5713	0.0000	SURCHARGED
15 minute summer	DUMMY 6	11	3.768	0.278	142.1	0.0000	0.0000	OK
15 minute summer	100	11	5.512	0.127	20.2	0.1431	0.0000	OK
15 minute summer	101	11	5.493	0.193	31.2	0.2181	0.0000	OK
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	120	11.002	121	70.5	1.943	1.758	0.7819	
15 minute summer	121	11.003	122	64.5	2.706	0.655	0.5817	
15 minute summer	122	11.004	OUTFALL 4	92.9	2.852	0.562	0.2868	
15 minute summer	OUTFALL 4	11.005	DUMMY 4	124.0	1.762	1.452	0.5186	65.7
15 minute summer	126	10.000	127	28.3	0.799	0.480	0.8019	
15 minute summer	127	10.001	128	49.5	1.245	0.841	1.0094	
15 minute summer	128	10.002	129	66.5	1.673	1.181	0.4580	
15 minute summer	129	10.003	130	64.8	1.686	1.134	0.6915	
15 minute summer	130	10.004	131	78.5	2.630	0.789	0.5467	
15 minute summer	131	10.005	OUTFALL 6	142.2	3.576	0.861	0.5874	
15 minute summer	OUTFALL 6	10.006	DUMMY 6	142.1	2.019	1.666	0.7482	71.4
15 minute summer	100	12.000	101	19.9	0.726	0.498	0.4241	
15 minute summer	101	12.001	102	30.1	0.848	0.737	0.4895	

Results for 100 year Critical Storm Duration. Lowest mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	102	11	5.450	0.230	39.0	0.2600	0.0000	SURCHARGED
15 minute summer	103	11	5.358	0.223	46.3	0.2519	0.0000	OK
15 minute summer	104	11	5.205	0.150	57.3	0.1694	0.0000	OK
15 minute winter	105	10	4.806	0.111	65.5	0.1260	0.0000	OK
15 minute summer	106	11	3.996	0.656	76.3	0.7419	0.0000	SURCHARGED
15 minute summer	107	10	4.422	0.082	26.2	0.0928	0.0000	OK
15 minute summer	OUTFALL 1	11	3.726	0.600	100.9	0.6790	0.0000	SURCHARGED
15 minute summer	DUMMY 1	9	3.300	0.213	101.2	0.0000	0.0000	OK
15 minute summer	113	10	6.880	0.115	20.2	0.1299	0.0000	OK
15 minute summer	114	10	6.649	0.119	67.5	0.1348	0.0000	OK
15 minute summer	115	10	5.346	0.146	97.5	0.1656	0.0000	OK
15 minute summer	OUTFALL 3	11	4.513	0.609	96.7	0.6891	0.0000	SURCHARGED
15 minute summer	DUMMY 3	9	4.067	0.213	96.1	0.0000	0.0000	OK
15 minute summer	108	10	6.302	0.127	23.2	0.1439	0.0000	OK
15 minute summer	109	10	6.107	0.107	49.7	0.1208	0.0000	OK
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	102	12.002	103	38.0	0.984	0.940	0.5548	
15 minute summer	103	12.003	104	45.7	1.369	1.140	0.4542	
15 minute summer	104	12.004	105	57.1	2.495	0.620	0.2676	
15 minute winter	105	12.005	106	65.6	3.590	0.396	0.1902	
15 minute summer	106	12.006	OUTFALL 1	75.8	1.905	0.887	0.3173	
15 minute summer	107	13.000	OUTFALL 1	26.1	2.124	0.239	0.1122	
15 minute summer	OUTFALL 1	12.007	DUMMY 1	101.2	2.544	2.543	0.2605	45.8
15 minute summer	113	14.000	114	19.9	0.963	0.497	0.8197	
15 minute summer	114	14.001	115	67.2	2.801	0.534	0.5587	
15 minute summer	115	14.002	OUTFALL 3	96.7	2.620	0.586	0.4368	
15 minute summer	OUTFALL 3	14.003	DUMMY 3	96.1	2.417	2.413	0.3333	42.5
15 minute summer	108	15.000	109	22.9	1.099	0.575	0.6172	
15 minute summer	109	15.001	110	49.4	1.470	0.462	0.7177	

Results for 100 year Critical Storm Duration. Lowest mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	110	10	5.323	0.353	98.2	0.3987	0.0000	SURCHARGED
15 minute summer	111	10	6.499	0.074	38.1	0.0832	0.0000	OK
15 minute summer	112	11	4.434	0.279	73.1	0.3150	0.0000	SURCHARGED
15 minute summer	OUTFALL 2	11	4.184	0.603	167.0	0.6819	0.0000	SURCHARGED
15 minute summer	DUMMY 2	10	3.805	0.284	167.5	0.0000	0.0000	OK
15 minute summer	123	10	6.530	0.185	38.1	0.2094	0.0000	OK
15 minute summer	124	10	6.337	0.157	86.3	0.1775	0.0000	OK
15 minute summer	125	10	5.282	0.142	100.2	0.1602	0.0000	OK
15 minute summer	116	10	6.887	0.057	20.8	0.0648	0.0000	OK
15 minute summer	117	10	5.209	0.079	45.7	0.0896	0.0000	OK
15 minute summer	OUTFALL 5	10	4.318	0.583	161.8	0.6597	0.0000	SURCHARGED
15 minute summer	DUMMY 5	10	3.956	0.284	160.5	0.0000	0.0000	OK
15 minute summer	137	11	6.142	0.627	165.1	0.8975	0.0000	SURCHARGED
15 minute summer	138	11	6.025	0.560	163.5	0.8018	0.0000	SURCHARGED
15 minute summer	142	11	5.389	0.614	278.1	0.8783	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	110	15.002	OUTFALL 2	97.5	1.407	1.603	0.6063	
15 minute summer	111	16.000	112	38.0	1.931	0.233	0.5959	
15 minute summer	112	16.001	OUTFALL 2	71.3	1.860	0.564	0.3389	
15 minute summer	OUTFALL 2	15.003	DUMMY 2	167.5	2.379	1.953	0.6987	74.4
15 minute summer	123	17.000	124	37.6	1.171	0.946	0.9060	
15 minute summer	124	17.001	125	85.9	3.093	0.728	0.5699	
15 minute summer	125	17.002	OUTFALL 5	99.5	2.724	0.603	0.4407	
15 minute summer	116	18.000	117	20.7	2.042	0.143	0.2253	
15 minute summer	117	18.001	OUTFALL 5	45.6	1.820	0.268	0.3272	
15 minute summer	OUTFALL 5	17.003	DUMMY 5	160.5	2.280	1.874	0.7360	70.6
15 minute summer	137	1.005	138	162.3	1.471	1.371	1.5609	
15 minute summer	138	1.006	139	160.6	1.611	1.335	3.0238	
15 minute summer	142	1.010	143	271.1	1.989	0.910	3.5431	

Results for 100 year Critical Storm Duration. Lowest mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	139	11	5.844	0.479	175.8	0.6859	0.0000	SURCHARGED
15 minute summer	159A	11	5.815	0.245	47.2	0.2775	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	139	1.007	140	187.2	1.845	0.752	2.9630	
15 minute summer	159A	9.001	OUTFALL 8	46.4	1.194	1.165	0.3694	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.77%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	132	13	7.095	0.595	69.5	11.9852	0.0000	SURCHARGED
15 minute summer	133	12	7.091	0.746	63.2	0.8437	0.0000	SURCHARGED
15 minute summer	134	12	7.103	1.053	109.7	7.6681	0.0000	SURCHARGED
15 minute summer	135	12	7.145	1.480	91.9	2.1176	0.0000	SURCHARGED
15 minute summer	146	12	7.327	1.027	48.3	1.1618	0.0000	SURCHARGED
15 minute summer	147	12	7.350	1.260	44.2	1.4247	0.0000	SURCHARGED
15 minute summer	148	12	7.254	1.359	58.1	1.5375	0.0000	SURCHARGED
15 minute summer	136	12	7.139	1.589	174.5	2.2739	0.0000	SURCHARGED
15 minute summer	149	12	6.355	0.140	27.5	0.1584	0.0000	OK
15 minute summer	140	12	6.302	1.427	314.6	2.0417	0.0000	SURCHARGED
15 minute summer	141	12	6.128	1.303	315.9	1.8643	0.0000	SURCHARGED
15 minute summer	150	10	6.453	0.158	31.7	0.1785	0.0000	OK
15 minute summer	143	11	5.607	1.097	385.3	1.9382	0.0000	SURCHARGED
15 minute summer	144	11	5.311	1.151	422.7	2.0344	0.0000	SURCHARGED
15 minute summer	145	11	4.965	0.990	471.1	1.7495	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	132	1.000	133	60.4	1.518	1.503	0.5298	
15 minute summer	133	1.001	134	67.6	1.618	0.333	0.6270	
15 minute summer	134	1.002	135	79.3	1.345	0.873	3.2534	
15 minute summer	135	1.003	136	104.4	0.954	0.482	1.0823	
15 minute summer	146	2.000	136	42.4	1.292	0.557	1.1205	
15 minute summer	147	3.000	148	38.1	1.237	0.654	0.6200	
15 minute summer	148	3.001	136	52.0	1.490	0.593	0.2746	
15 minute summer	136	1.004	137	171.4	1.554	1.457	1.1058	
15 minute summer	149	4.000	140	27.4	1.625	0.240	0.7664	
15 minute summer	140	1.008	141	311.3	1.965	1.219	1.2658	
15 minute summer	141	1.009	142	317.7	2.005	1.255	1.2869	
15 minute summer	150	5.000	143	31.1	1.092	0.773	0.6885	
15 minute summer	143	1.011	144	388.0	1.796	0.798	7.5207	
15 minute summer	144	1.012	145	425.2	1.968	1.175	7.1438	
15 minute summer	145	1.013	OUTFALL 7	471.0	2.180	1.278	1.4522	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.77%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	OUTFALL 7	11	4.780	0.844	562.3	1.4920	0.0000	SURCHARGED
15 minute summer	DUMMY 7	11	4.380	0.484	561.7	0.0000	0.0000	OK
15 minute summer	151	12	7.753	1.058	40.0	1.8694	0.0000	SURCHARGED
15 minute summer	152	12	7.658	1.143	73.4	8.3288	0.0000	SURCHARGED
15 minute summer	153	12	7.070	0.960	122.4	1.0854	0.0000	SURCHARGED
15 minute summer	154	12	6.647	0.737	157.2	0.8337	0.0000	SURCHARGED
15 minute summer	158	12	6.515	0.415	37.5	3.7669	0.0000	SURCHARGED
15 minute summer	157	10	6.764	0.079	28.3	0.0893	0.0000	OK
15 minute summer	155	12	6.383	0.843	265.8	1.2069	0.0000	SURCHARGED
15 minute summer	156	11	5.582	1.082	316.8	1.5488	0.0000	SURCHARGED
15 minute summer	159	10	6.958	0.158	66.7	0.1787	0.0000	OK
15 minute summer	OUTFALL 8	11	5.065	0.940	460.9	1.3455	0.0000	SURCHARGED
15 minute summer	DUMMY 8	10	4.498	0.426	460.8	0.0000	0.0000	OK
15 minute summer	118	12	7.424	1.424	32.5	2.5158	0.0000	FLOOD RISK
15 minute summer	119	12	7.336	1.491	80.3	2.6355	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	OUTFALL 7	1.014	DUMMY 7	561.7	2.600	2.328	3.3891	323.5
15 minute summer	151	6.000	152	33.4	0.914	0.828	1.1843	
15 minute summer	152	6.001	153	66.0	1.659	1.486	1.7934	
15 minute summer	153	6.002	154	123.8	1.793	1.280	1.8551	
15 minute summer	154	6.003	155	158.2	2.861	0.660	0.4497	
15 minute summer	158	7.000	155	49.0	1.560	0.916	1.5401	
15 minute summer	157	8.000	155	28.2	1.956	0.266	0.6333	
15 minute summer	155	6.004	156	256.0	2.322	0.815	4.6818	
15 minute summer	156	6.005	OUTFALL 8	316.9	2.873	0.999	1.3241	
15 minute summer	159	9.000	159A	65.7	1.741	0.819	1.8097	
15 minute summer	OUTFALL 8	6.006	DUMMY 8	460.8	2.909	2.575	2.6870	240.0
15 minute summer	118	11.000	119	28.3	0.711	0.673	0.9409	
15 minute summer	119	11.001	120	75.1	1.889	1.869	0.9253	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.77%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	120	12	6.741	1.036	97.4	1.8311	0.0000	SURCHARGED
15 minute summer	121	13	5.750	0.185	95.2	8.7644	0.0000	OK
15 minute summer	122	12	5.093	0.333	123.5	0.3762	0.0000	SURCHARGED
15 minute summer	OUTFALL 4	11	4.355	0.554	164.7	0.6267	0.0000	SURCHARGED
15 minute summer	DUMMY 4	11	4.040	0.284	164.1	0.0000	0.0000	OK
15 minute summer	126	12	8.178	1.648	35.7	4.6083	0.0000	FLOOD RISK
15 minute summer	127	12	8.132	1.862	70.7	2.6644	0.0000	FLOOD RISK
15 minute summer	128	12	7.765	1.820	81.4	2.0583	0.0000	FLOOD RISK
15 minute summer	129	12	7.404	1.594	77.2	1.8032	0.0000	SURCHARGED
15 minute summer	130	12	6.930	1.330	93.2	1.5044	0.0000	SURCHARGED
15 minute summer	131	12	6.356	1.256	174.9	1.4209	0.0000	SURCHARGED
15 minute summer	OUTFALL 6	12	4.193	0.639	171.8	0.7227	0.0000	SURCHARGED
15 minute summer	DUMMY 6	10	3.774	0.284	172.1	0.0000	0.0000	OK
15 minute summer	100	11	5.883	0.498	28.3	0.5635	0.0000	SURCHARGED
15 minute summer	101	11	5.832	0.532	41.8	0.6020	0.0000	SURCHARGED
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	120	11.002	121	95.2	2.456	2.373	0.8724	
15 minute summer	121	11.003	122	89.9	2.796	0.914	0.8464	
15 minute summer	122	11.004	OUTFALL 4	122.2	3.073	0.739	0.3519	
15 minute summer	OUTFALL 4	11.005	DUMMY 4	164.1	2.330	1.922	0.5291	91.6
15 minute summer	126	10.000	127	38.5	1.011	0.652	0.8030	
15 minute summer	127	10.001	128	56.6	1.424	0.961	1.0094	
15 minute summer	128	10.002	129	77.2	1.942	1.371	0.4580	
15 minute summer	129	10.003	130	85.6	2.152	1.497	0.6915	
15 minute summer	130	10.004	131	101.8	2.700	1.022	0.5467	
15 minute summer	131	10.005	OUTFALL 6	171.8	4.320	1.040	0.5874	
15 minute summer	OUTFALL 6	10.006	DUMMY 6	172.1	2.444	2.017	0.7528	99.8
15 minute summer	100	12.000	101	26.7	0.747	0.668	0.5696	
15 minute summer	101	12.001	102	41.4	1.041	1.013	0.5122	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.77%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	102	11	5.719	0.499	53.3	0.5639	0.0000	SURCHARGED
15 minute summer	103	11	5.521	0.386	64.1	0.4362	0.0000	SURCHARGED
15 minute summer	104	12	5.255	0.200	79.7	0.2264	0.0000	OK
15 minute summer	105	11	4.945	0.250	94.6	0.2832	0.0000	SURCHARGED
15 minute summer	106	11	4.524	1.184	100.2	1.3394	0.0000	SURCHARGED
15 minute summer	107	10	4.440	0.100	36.7	0.1135	0.0000	OK
15 minute summer	OUTFALL 1	11	4.059	0.933	134.5	1.0557	0.0000	SURCHARGED
15 minute summer	DUMMY 1	8	3.300	0.213	135.0	0.0000	0.0000	OK
15 minute summer	113	10	6.906	0.141	28.3	0.1597	0.0000	OK
15 minute summer	114	11	6.722	0.192	95.0	0.2168	0.0000	OK
15 minute summer	115	11	5.996	0.796	133.1	0.9008	0.0000	SURCHARGED
15 minute summer	OUTFALL 3	11	4.875	0.971	129.7	1.0985	0.0000	SURCHARGED
15 minute summer	DUMMY 3	8	4.067	0.213	129.1	0.0000	0.0000	OK
15 minute summer	108	10	6.336	0.161	32.5	0.1816	0.0000	OK
15 minute summer	109	10	6.146	0.146	69.5	0.1647	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	102	12.002	103	53.0	1.333	1.310	0.5553	
15 minute summer	103	12.003	104	63.8	1.607	1.594	0.5168	
15 minute summer	104	12.004	105	79.6	2.455	0.863	0.4453	
15 minute summer	105	12.005	106	92.4	3.514	0.558	0.3576	
15 minute summer	106	12.006	OUTFALL 1	100.8	2.536	1.180	0.3173	
15 minute summer	107	13.000	OUTFALL 1	36.5	2.301	0.335	0.1670	
15 minute summer	OUTFALL 1	12.007	DUMMY 1	135.0	3.395	3.393	0.2605	64.1
15 minute summer	113	14.000	114	28.4	1.008	0.707	1.1971	
15 minute summer	114	14.001	115	90.6	2.799	0.720	0.8699	
15 minute summer	115	14.002	OUTFALL 3	129.7	3.262	0.786	0.5177	
15 minute summer	OUTFALL 3	14.003	DUMMY 3	129.1	3.247	3.241	0.3333	59.7
15 minute summer	108	15.000	109	32.0	1.142	0.803	0.8507	
15 minute summer	109	15.001	110	68.6	1.861	0.642	0.8237	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.77%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	110	10	5.462	0.492	136.8	0.5567	0.0000	SURCHARGED
15 minute summer	111	10	6.513	0.088	53.3	0.0994	0.0000	OK
15 minute summer	112	11	5.033	0.878	102.3	0.9932	0.0000	SURCHARGED
15 minute summer	OUTFALL 2	11	4.548	0.967	233.7	1.0937	0.0000	SURCHARGED
15 minute summer	DUMMY 2	9	3.805	0.284	234.3	0.0000	0.0000	OK
15 minute summer	123	11	7.225	0.880	53.3	0.9954	0.0000	SURCHARGED
15 minute summer	124	11	6.928	0.748	114.2	0.8463	0.0000	SURCHARGED
15 minute summer	125	11	5.737	0.597	130.9	0.6751	0.0000	SURCHARGED
15 minute summer	116	10	6.898	0.068	29.2	0.0770	0.0000	OK
15 minute summer	117	10	5.239	0.109	64.1	0.1228	0.0000	OK
15 minute summer	OUTFALL 5	11	4.594	0.859	213.6	0.9713	0.0000	SURCHARGED
15 minute summer	DUMMY 5	9	3.956	0.284	213.5	0.0000	0.0000	OK
15 minute summer	137	12	7.030	1.515	181.1	2.1682	0.0000	SURCHARGED
15 minute summer	138	12	6.874	1.409	183.2	2.0158	0.0000	SURCHARGED
15 minute summer	142	12	5.945	1.170	329.6	1.6743	0.0000	SURCHARGED
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	110	15.002	OUTFALL 2	135.9	1.931	2.235	0.6369	
15 minute summer	111	16.000	112	53.1	1.984	0.326	0.6321	
15 minute summer	112	16.001	OUTFALL 2	99.4	2.498	0.785	0.3389	
15 minute summer	OUTFALL 2	15.003	DUMMY 2	234.3	3.327	2.732	0.6987	104.2
15 minute summer	123	17.000	124	49.0	1.372	1.233	1.1169	
15 minute summer	124	17.001	125	111.8	3.074	0.947	0.8114	
15 minute summer	125	17.002	OUTFALL 5	129.7	3.261	0.785	0.5305	
15 minute summer	116	18.000	117	29.1	2.088	0.200	0.3210	
15 minute summer	117	18.001	OUTFALL 5	63.4	1.940	0.373	0.3678	
15 minute summer	OUTFALL 5	17.003	DUMMY 5	213.5	3.033	2.494	0.7360	99.5
15 minute summer	137	1.005	138	182.7	1.657	1.544	1.5609	
15 minute summer	138	1.006	139	192.1	1.742	1.597	3.0238	
15 minute summer	142	1.010	143	331.5	2.092	1.113	3.5431	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.77%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	139	12	6.614	1.249	198.6	1.7877	0.0000	SURCHARGED
15 minute summer	159A	11	5.947	0.377	65.7	0.4264	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	139	1.007	140	207.7	1.954	0.834	2.9630	
15 minute summer	159A	9.001	OUTFALL 8	65.2	1.641	1.636	0.3893	