

Simulation Settings

Rainfall Methodology	FEH-13	Analysis Speed	Detailed	Starting Level (m)	
Rainfall Events	Singular	Skip Steady State	x	Check Discharge Rate(s)	x
Summer CV	1.000	Drain Down Time (mins)	2000	Check Discharge Volume	x
Winter CV	1.000	Additional Storage (m ³ /ha)	0.0		

Storm Durations

15	30	60	120	180	240	360	480	600	720	960	1440
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Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
10	0	0	0
30	0	0	0
30	40	0	0
100	0	0	0
100	40	0	0

Design Settings

Rainfall Methodology	FEH-13	Minimum Velocity (m/s)	1.00
Return Period (years)	10	Connection Type	Level Soffits
Additional Flow (%)	0	Minimum Backdrop Height (m)	0.200
CV	1.000	Preferred Cover Depth (m)	1.200
Time of Entry (mins)	5.00	Include Intermediate Ground	✓
Maximum Time of Concentration (mins)	30.00	Enforce best practice design rules	x
Maximum Rainfall (mm/hr)	50.0		

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)	Invert Level (m)
SW50	0.034	5.00	140.933	1350	538570.789	236207.298	1.425	139.508
SW51	0.062	5.00	140.674	1350	538569.964	236197.730	1.625	139.049
SW52			140.230	1350	538566.538	236169.938	1.420	138.810
SW53	0.079	5.00	140.801	1350	538543.568	236168.937	4.520	136.281
SW54	0.067	5.00	140.217	1350	538562.841	236160.981	4.230	135.987
SW55	0.023	5.00	138.959	1350	538597.748	236119.587	1.118	137.841
SW56	0.031	5.00	139.237	1350	538581.351	236126.838	1.486	137.751
SW57	0.065	5.00	139.404	1500	538590.801	236149.280	3.477	135.927
SW58	0.145	5.00	139.987	1350	538626.670	236215.142	3.202	136.785
SW59	0.025	5.00	139.547	1350	538624.117	236186.089	3.352	136.195
SW60	0.026	5.00	139.366	1350	538621.880	236174.590	3.210	136.156
SW61	0.024	5.00	138.897	1500	538608.261	236141.976	3.008	135.889
SW62	0.015	5.00	138.637	1500	538617.759	236139.465	2.770	135.867
SW63	0.040	5.00	137.999	1500	538636.967	236137.819	2.175	135.824
SW64	0.040	5.00	137.660	1500	538654.652	236138.661	1.871	135.789
SW65	0.020	5.00	137.789	1500	538657.999	236151.858	2.028	135.761
SW66			138.083	1500	538664.713	236161.443	2.345	135.738
SW68	0.107	5.00	138.900	1500	538695.083	236200.100	3.285	135.615
SW69	0.047	5.00	141.671	1350	538610.583	236304.702	1.512	140.159
SW70	0.020	5.00	141.683	1350	538627.413	236303.135	1.609	140.074
SW71			141.285	1350	538643.597	236304.743	1.427	139.858
SW72	0.066	5.00	141.172	1350	538647.224	236302.015	1.431	139.741
SW73	0.038	5.00	140.744	1350	538644.426	236273.409	1.500	139.244
SW74	0.017	5.00	140.530	1350	538641.207	236259.089	1.491	139.039
SW75	0.064	5.00	141.375	1350	538570.943	236236.193	1.425	139.950
SW76	0.011	5.00	140.956	1350	538592.971	236234.100	1.425	139.531
SW77	0.048	5.00	140.691	1350	538607.226	236234.965	1.425	139.266
SW78	0.059	5.00	140.204	1350	538638.803	236232.114	1.575	138.629
SW79	0.060	5.00	139.707	1350	538660.357	236229.965	1.575	138.132
SW80			139.460	1350	538672.751	236225.212	1.660	137.800
SW81	0.016	5.00	138.848	1500	538702.659	236213.741	3.295	135.553
SW82			137.500	1500	538723.271	236229.038	2.000	135.500
SW83	0.022	5.00	140.493	1350	538683.889	236286.393	1.349	139.144
SW84	0.019	5.00	139.881	1350	538704.516	236283.400	1.300	138.581
SW85	0.025	5.00	139.746	1350	538712.494	236276.059	1.425	138.321
SW86	0.028	5.00	139.558	1350	538712.901	236261.294	1.425	138.133
SW87	0.025	5.00	139.338	1350	538711.197	236244.206	1.425	137.913
SW88			137.500	1200	538724.778	236241.948	2.000	135.500
SW89		5.00	137.500	1200	538734.464	236243.676	2.000	135.500
SW107			138.709	1200	538742.540	236237.108	3.209	135.500
SW67			138.742	1500	538687.756	236188.602	3.097	135.645

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	SW50	SW51	9.604	0.600	139.508	139.049	0.459	20.9	225	5.06	50.0
1.001	SW51	SW52	28.002	0.600	139.049	138.810	0.239	117.2	225	5.44	50.0
1.002	SW52	SW54	9.690	0.600	138.810	138.761	0.049	197.8	225	5.62	50.0
2.000	SW53	SW54	20.850	0.600	136.281	136.212	0.069	302.2	450	5.30	50.0
1.003	SW54	SW57	30.310	0.600	135.987	135.927	0.060	505.2	600	6.09	50.0
3.000	SW55	SW56	17.929	0.600	137.841	137.751	0.090	199.2	225	5.32	50.0
3.001	SW56	SW57	24.350	0.600	137.751	137.629	0.122	199.6	225	5.76	50.0
1.004	SW57	SW61	18.926	0.600	135.927	135.889	0.038	498.1	675	6.36	50.0
4.000	SW58	SW59	29.165	0.600	136.785	136.420	0.365	79.9	300	5.28	50.0
4.001	SW59	SW60	11.715	0.600	136.195	136.156	0.039	300.4	525	5.43	50.0
4.002	SW60	SW61	35.343	0.600	136.156	136.039	0.117	302.1	525	5.89	50.0
1.005	SW61	SW62	9.824	0.600	135.889	135.867	0.022	446.5	675	6.49	50.0
1.006	SW62	SW63	19.278	0.600	135.867	135.824	0.043	448.3	675	6.75	50.0
1.007	SW63	SW64	17.705	0.600	135.824	135.789	0.035	505.9	675	7.00	50.0
1.008	SW64	SW65	13.615	0.600	135.789	135.761	0.028	486.3	675	7.20	50.0
1.009	SW65	SW66	11.703	0.600	135.761	135.738	0.023	508.8	675	7.37	50.0
1.010	SW66	SW67	35.617	0.600	135.738	135.645	0.093	383.0	675	7.81	50.0
1.011	SW68	SW81	15.604	0.600	135.615	135.553	0.062	251.7	675	8.16	50.0
5.000	SW69	SW70	16.903	0.600	140.159	140.074	0.085	198.9	225	5.31	50.0
5.001	SW70	SW71	16.264	0.600	140.074	139.858	0.216	75.3	225	5.48	50.0
5.002	SW71	SW72	4.538	0.600	139.858	139.816	0.042	108.0	225	5.54	50.0
5.003	SW72	SW73	28.742	0.600	139.741	139.244	0.497	57.8	300	5.78	50.0
5.004	SW73	SW74	14.677	0.600	139.244	139.039	0.205	71.6	300	5.91	50.0
5.005	SW74	SW78	27.082	0.600	139.039	138.704	0.335	80.8	300	6.17	50.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
1.000	2.873	114.2	6.1	1.200	1.400	0.034	0.0	35	1.532
1.001	1.207	48.0	17.3	1.400	1.195	0.096	0.0	94	1.113
1.002	0.926	36.8	17.3	1.195	1.231	0.096	0.0	109	0.912
2.000	1.164	185.1	14.2	4.070	3.555	0.079	0.0	83	0.696
1.003	1.076	304.3	43.7	3.630	2.877	0.242	0.0	152	0.773
3.000	0.923	36.7	4.2	0.893	1.261	0.023	0.0	51	0.618
3.001	0.922	36.6	9.8	1.261	1.550	0.054	0.0	80	0.784
1.004	1.167	417.7	65.3	2.802	2.333	0.361	0.0	179	0.860
4.000	1.760	124.4	26.3	2.902	2.827	0.145	0.0	93	1.402
4.001	1.287	278.6	30.9	2.827	2.685	0.171	0.0	117	0.859
4.002	1.283	277.8	35.6	2.685	2.333	0.197	0.0	126	0.893
1.005	1.233	441.4	105.4	2.333	2.095	0.583	0.0	223	1.020
1.006	1.231	440.5	108.1	2.095	1.500	0.598	0.0	226	1.026
1.007	1.158	414.4	115.4	1.500	1.196	0.639	0.0	242	0.998
1.008	1.182	422.8	122.7	1.196	1.353	0.679	0.0	248	1.030
1.009	1.155	413.2	126.3	1.353	1.670	0.699	0.0	255	1.020
1.010	1.333	477.0	126.3	1.670	2.422	0.699	0.0	236	1.133
1.011	1.647	589.4	145.7	2.610	2.620	0.806	0.0	227	1.375
5.000	0.923	36.7	8.5	1.287	1.384	0.047	0.0	73	0.754
5.001	1.508	60.0	12.1	1.384	1.202	0.067	0.0	68	1.185
5.002	1.257	50.0	12.1	1.202	1.131	0.067	0.0	75	1.039
5.003	2.071	146.4	24.0	1.131	1.200	0.133	0.0	82	1.541
5.004	1.860	131.5	30.8	1.200	1.191	0.171	0.0	98	1.525
5.005	1.750	123.7	33.9	1.191	1.200	0.188	0.0	107	1.499

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)
6.000	SW75	SW76	22.127	0.600	139.950	139.531	0.419	52.8	225	5.20	50.0
6.001	SW76	SW77	14.281	0.600	139.531	139.266	0.265	53.9	225	5.34	50.0
6.002	SW77	SW78	31.705	0.600	139.266	138.779	0.487	65.1	225	5.66	50.0
5.006	SW78	SW79	21.661	0.600	138.629	138.132	0.497	43.6	375	6.30	50.0
5.007	SW79	SW80	13.274	0.600	138.132	137.800	0.332	40.0	375	6.37	50.0
5.008	SW80	SW81	32.032	0.600	137.800	137.000	0.800	40.0	375	6.56	50.0
1.012	SW81	SW82	25.668	0.600	135.553	135.510	0.043	596.9	675	8.56	50.0
7.000	SW83	SW84	20.843	0.600	139.144	138.581	0.563	37.0	150	5.21	50.0
7.001	SW84	SW85	10.841	0.600	138.581	138.321	0.260	41.7	225	5.30	50.0
7.002	SW85	SW86	14.771	0.600	138.321	138.133	0.188	78.6	225	5.47	50.0
7.003	SW86	SW87	17.173	0.600	138.133	137.913	0.220	78.1	225	5.66	50.0
7.004	SW87	SW88	13.767	0.600	137.913	135.660	2.253	6.1	225	5.70	50.0
1.014	SW89	SW107	10.410	0.600	135.500	135.500	0.000	0.0	300	5.17	50.0
1.011_1	SW67	SW68	13.634	0.600	135.645	135.615	0.030	454.5	675	8.00	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)
6.000	1.804	71.7	11.6	1.200	1.200	0.064	0.0	61	1.336
6.001	1.785	71.0	13.5	1.200	1.200	0.075	0.0	66	1.383
6.002	1.623	64.5	22.3	1.200	1.200	0.123	0.0	91	1.477
5.006	2.751	303.8	66.8	1.200	1.200	0.370	0.0	119	2.225
5.007	2.872	317.3	77.7	1.200	1.285	0.430	0.0	126	2.388
5.008	2.870	317.0	77.7	1.285	1.473	0.430	0.0	126	2.386
1.012	1.065	381.2	226.2	2.620	1.315	1.252	0.0	375	1.108
7.000	1.659	29.3	4.0	1.199	1.150	0.022	0.0	37	1.162
7.001	2.031	80.8	7.5	1.075	1.200	0.042	0.0	46	1.283
7.002	1.476	58.7	12.0	1.200	1.200	0.066	0.0	69	1.167
7.003	1.481	58.9	17.0	1.200	1.200	0.094	0.0	82	1.282
7.004	5.327	211.8	21.4	1.200	1.615	0.119	0.0	48	3.445
1.014	1.000	70.7	0.0	1.700	2.909	0.000	0.0	0	0.000
1.011_1	1.223	437.5	126.3	2.422	2.610	0.699	0.0	248	1.065

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	9.604	20.9	225	Circular	140.933	139.508	1.200	140.674	139.049	1.400
1.001	28.002	117.2	225	Circular	140.674	139.049	1.400	140.230	138.810	1.195
1.002	9.690	197.8	225	Circular	140.230	138.810	1.195	140.217	138.761	1.231
2.000	20.850	302.2	450	Circular	140.801	136.281	4.070	140.217	136.212	3.555
1.003	30.310	505.2	600	Circular	140.217	135.987	3.630	139.404	135.927	2.877
3.000	17.929	199.2	225	Circular	138.959	137.841	0.893	139.237	137.751	1.261

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	SW50	1350	Manhole	Adoptable	SW51	1350	Manhole	Adoptable
1.001	SW51	1350	Manhole	Adoptable	SW52	1350	Manhole	Adoptable
1.002	SW52	1350	Manhole	Adoptable	SW54	1350	Manhole	Adoptable
2.000	SW53	1350	Manhole	Adoptable	SW54	1350	Manhole	Adoptable
1.003	SW54	1350	Manhole	Adoptable	SW57	1500	Manhole	Adoptable
3.000	SW55	1350	Manhole	Adoptable	SW56	1350	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)
3.001	24.350	199.6	225	Circular	139.237	137.751	1.261	139.404	137.629	1.550
1.004	18.926	498.1	675	Circular	139.404	135.927	2.802	138.897	135.889	2.333
4.000	29.165	79.9	300	Circular	139.987	136.785	2.902	139.547	136.420	2.827
4.001	11.715	300.4	525	Circular	139.547	136.195	2.827	139.366	136.156	2.685
4.002	35.343	302.1	525	Circular	139.366	136.156	2.685	138.897	136.039	2.333
1.005	9.824	446.5	675	Circular	138.897	135.889	2.333	138.637	135.867	2.095
1.006	19.278	448.3	675	Circular	138.637	135.867	2.095	137.999	135.824	1.500
1.007	17.705	505.9	675	Circular	137.999	135.824	1.500	137.660	135.789	1.196
1.008	13.615	486.3	675	Circular	137.660	135.789	1.196	137.789	135.761	1.353
1.009	11.703	508.8	675	Circular	137.789	135.761	1.353	138.083	135.738	1.670
1.010	35.617	383.0	675	Circular	138.083	135.738	1.670	138.742	135.645	2.422
1.011	15.604	251.7	675	Circular	138.900	135.615	2.610	138.848	135.553	2.620
5.000	16.903	198.9	225	Circular	141.671	140.159	1.287	141.683	140.074	1.384
5.001	16.264	75.3	225	Circular	141.683	140.074	1.384	141.285	139.858	1.202
5.002	4.538	108.0	225	Circular	141.285	139.858	1.202	141.172	139.816	1.131
5.003	28.742	57.8	300	Circular	141.172	139.741	1.131	140.744	139.244	1.200
5.004	14.677	71.6	300	Circular	140.744	139.244	1.200	140.530	139.039	1.191
5.005	27.082	80.8	300	Circular	140.530	139.039	1.191	140.204	138.704	1.200
6.000	22.127	52.8	225	Circular	141.375	139.950	1.200	140.956	139.531	1.200
6.001	14.281	53.9	225	Circular	140.956	139.531	1.200	140.691	139.266	1.200
6.002	31.705	65.1	225	Circular	140.691	139.266	1.200	140.204	138.779	1.200
5.006	21.661	43.6	375	Circular	140.204	138.629	1.200	139.707	138.132	1.200
5.007	13.274	40.0	375	Circular	139.707	138.132	1.200	139.460	137.800	1.285
5.008	32.032	40.0	375	Circular	139.460	137.800	1.285	138.848	137.000	1.473
1.012	25.668	596.9	675	Circular	138.848	135.553	2.620	137.500	135.510	1.315

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
3.001	SW56	1350	Manhole	Adoptable	SW57	1500	Manhole	Adoptable
1.004	SW57	1500	Manhole	Adoptable	SW61	1500	Manhole	Adoptable
4.000	SW58	1350	Manhole	Adoptable	SW59	1350	Manhole	Adoptable
4.001	SW59	1350	Manhole	Adoptable	SW60	1350	Manhole	Adoptable
4.002	SW60	1350	Manhole	Adoptable	SW61	1500	Manhole	Adoptable
1.005	SW61	1500	Manhole	Adoptable	SW62	1500	Manhole	Adoptable
1.006	SW62	1500	Manhole	Adoptable	SW63	1500	Manhole	Adoptable
1.007	SW63	1500	Manhole	Adoptable	SW64	1500	Manhole	Adoptable
1.008	SW64	1500	Manhole	Adoptable	SW65	1500	Manhole	Adoptable
1.009	SW65	1500	Manhole	Adoptable	SW66	1500	Manhole	Adoptable
1.010	SW66	1500	Manhole	Adoptable	SW67	1500	Manhole	Adoptable
1.011	SW68	1500	Manhole	Adoptable	SW81	1500	Manhole	Adoptable
5.000	SW69	1350	Manhole	Adoptable	SW70	1350	Manhole	Adoptable
5.001	SW70	1350	Manhole	Adoptable	SW71	1350	Manhole	Adoptable
5.002	SW71	1350	Manhole	Adoptable	SW72	1350	Manhole	Adoptable
5.003	SW72	1350	Manhole	Adoptable	SW73	1350	Manhole	Adoptable
5.004	SW73	1350	Manhole	Adoptable	SW74	1350	Manhole	Adoptable
5.005	SW74	1350	Manhole	Adoptable	SW78	1350	Manhole	Adoptable
6.000	SW75	1350	Manhole	Adoptable	SW76	1350	Manhole	Adoptable
6.001	SW76	1350	Manhole	Adoptable	SW77	1350	Manhole	Adoptable
6.002	SW77	1350	Manhole	Adoptable	SW78	1350	Manhole	Adoptable
5.006	SW78	1350	Manhole	Adoptable	SW79	1350	Manhole	Adoptable
5.007	SW79	1350	Manhole	Adoptable	SW80	1350	Manhole	Adoptable
5.008	SW80	1350	Manhole	Adoptable	SW81	1500	Manhole	Adoptable
1.012	SW81	1500	Manhole	Adoptable	SW82	1500	Manhole	Adoptable

Pipeline Schedule

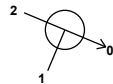
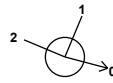
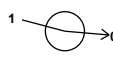
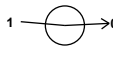
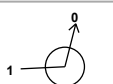
Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
7.000	20.843	37.0	150	Circular	140.493	139.144	1.199	139.881	138.581	1.150
7.001	10.841	41.7	225	Circular	139.881	138.581	1.075	139.746	138.321	1.200
7.002	14.771	78.6	225	Circular	139.746	138.321	1.200	139.558	138.133	1.200
7.003	17.173	78.1	225	Circular	139.558	138.133	1.200	139.338	137.913	1.200
7.004	13.767	6.1	225	Circular	139.338	137.913	1.200	137.500	135.660	1.615
1.014	10.410	0.0	300	Circular	137.500	135.500	1.700	138.709	135.500	2.909
1.011_1	13.634	454.5	675	Circular	138.742	135.645	2.422	138.900	135.615	2.610

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
7.000	SW83	1350	Manhole	Adoptable	SW84	1350	Manhole	Adoptable
7.001	SW84	1350	Manhole	Adoptable	SW85	1350	Manhole	Adoptable
7.002	SW85	1350	Manhole	Adoptable	SW86	1350	Manhole	Adoptable
7.003	SW86	1350	Manhole	Adoptable	SW87	1350	Manhole	Adoptable
7.004	SW87	1350	Manhole	Adoptable	SW88	1200	Manhole	Adoptable
1.014	SW89	1200	Manhole	Adoptable	SW107	1200	Manhole	Adoptable
1.011_1	SW67	1500	Manhole	Adoptable	SW68	1500	Manhole	Adoptable

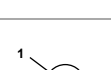
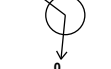
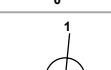
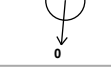
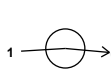
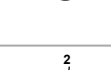
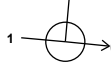
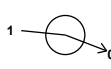
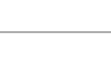
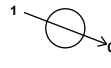
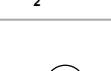
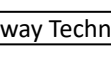
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
SW50	538570.789	236207.298	140.933	1.425	1350		0	1.000	139.508	225
SW51	538569.964	236197.730	140.674	1.625	1350		1	1.000	139.049	225
							0	1.001	139.049	225
SW52	538566.538	236169.938	140.230	1.420	1350		1	1.001	138.810	225
							0	1.002	138.810	225
SW53	538543.568	236168.937	140.801	4.520	1350		0	2.000	136.281	450
SW54	538562.841	236160.981	140.217	4.230	1350		1	2.000	136.212	450
							2	1.002	138.761	225
							0	1.003	135.987	600
SW55	538597.748	236119.587	138.959	1.118	1350		0	3.000	137.841	225
SW56	538581.351	236126.838	139.237	1.486	1350		1	3.000	137.751	225
							0	3.001	137.751	225

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
SW57	538590.801	236149.280	139.404	3.477	1500		1	3.001	137.629	225
							2	1.003	135.927	600
							0	1.004	135.927	675
SW58	538626.670	236215.142	139.987	3.202	1350		0	4.000	136.785	300
SW59	538624.117	236186.089	139.547	3.352	1350		1	4.000	136.420	300
					0		4.001	136.195	525	
SW60	538621.880	236174.590	139.366	3.210	1350		1	4.001	136.156	525
					0		4.002	136.156	525	
SW61	538608.261	236141.976	138.897	3.008	1500		1	4.002	136.039	525
SW62	538617.759	236139.465	138.637	2.770	1500		2	1.004	135.889	675
							0	1.005	135.889	675
SW63	538636.967	236137.819	137.999	2.175	1500		1	1.005	135.867	675
							0	1.006	135.867	675
SW64	538654.652	236138.661	137.660	1.871	1500		1	1.006	135.824	675
							0	1.007	135.824	675
SW65	538657.999	236151.858	137.789	2.028	1500		1	1.007	135.789	675
							0	1.008	135.789	675
SW66	538664.713	236161.443	138.083	2.345	1500		1	1.008	135.761	675
							0	1.009	135.761	675
SW68	538695.083	236200.100	138.900	3.285	1500		1	1.010	135.738	675
							0	1.011_1	135.615	675
SW69	538610.583	236304.702	141.671	1.512	1350		1	1.011	135.615	675
							0	1.011	135.615	675
SW70	538627.413	236303.135	141.683	1.609	1350		0	5.000	140.159	225
							1	5.000	140.074	225
							0	5.001	140.074	225

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
SW71	538643.597	236304.743	141.285	1.427	1350		1	5.001	139.858	225
							0	5.002	139.858	225
SW72	538647.224	236302.015	141.172	1.431	1350		1	5.002	139.816	225
							0	5.003	139.741	300
SW73	538644.426	236273.409	140.744	1.500	1350		1	5.003	139.244	300
							0	5.004	139.244	300
SW74	538641.207	236259.089	140.530	1.491	1350		1	5.004	139.039	300
							0	5.005	139.039	300
SW75	538570.943	236236.193	141.375	1.425	1350					
							0	6.000	139.950	225
SW76	538592.971	236234.100	140.956	1.425	1350		1	6.000	139.531	225
							0	6.001	139.531	225
SW77	538607.226	236234.965	140.691	1.425	1350		1	6.001	139.266	225
							0	6.002	139.266	225
SW78	538638.803	236232.114	140.204	1.575	1350		1	6.002	138.779	225
							2	5.005	138.704	300
							0	5.006	138.629	375
SW79	538660.357	236229.965	139.707	1.575	1350		1	5.006	138.132	375
							0	5.007	138.132	375
SW80	538672.751	236225.212	139.460	1.660	1350		1	5.007	137.800	375
							0	5.008	137.800	375
SW81	538702.659	236213.741	138.848	3.295	1500		1	5.008	137.000	375
							2	1.011	135.553	675
							0	1.012	135.553	675
SW82	538723.271	236229.038	137.500	2.000	1500		1	1.012	135.510	675
SW83	538683.889	236286.393	140.493	1.349	1350					
							0	7.000	139.144	150

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
SW84	538704.516	236283.400	139.881	1.300	1350		1	7.000	138.581	150
							0	7.001	138.581	225
SW85	538712.494	236276.059	139.746	1.425	1350		1	7.001	138.321	225
							0	7.002	138.321	225
SW86	538712.901	236261.294	139.558	1.425	1350		1	7.002	138.133	225
							0	7.003	138.133	225
SW87	538711.197	236244.206	139.338	1.425	1350		1	7.003	137.913	225
							0	7.004	137.913	225
SW88	538724.778	236241.948	137.500	2.000	1200		1	7.004	135.660	225
SW89	538734.464	236243.676	137.500	2.000	1200					
							0	1.014	135.500	300
SW107	538742.540	236237.108	138.709	3.209	1200		1	1.014	135.500	300
SW67	538687.756	236188.602	138.742	3.097	1500		1	1.010	135.645	675
							0	1.011 1	135.645	675

Node SW89 Flow through Pond Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Main Channel Length (m)	20.000
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	135.500	Main Channel Slope (1:X)	99999.0
Safety Factor	2.0	Time to half empty (mins)		Main Channel n	0.050

Inlets

SW82 | SW88

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	416.1	0.0	0.700	660.0	0.0	1.400	941.0	0.0	2.100	1252.5	0.0
0.100	447.1	0.0	0.800	698.3	0.0	1.500	983.6	0.0	2.200	1299.5	0.0
0.200	479.5	0.0	0.900	737.2	0.0	1.600	1026.9	0.0	2.300	1347.1	0.0
0.300	512.5	0.0	1.000	776.7	0.0	1.700	1070.8	0.0	2.400	1395.4	0.0
0.400	546.2	0.0	1.100	816.9	0.0	1.800	1115.3	0.0	2.500	1444.2	0.0
0.500	580.6	0.0	1.200	857.6	0.0	1.900	1160.4	0.0			
0.600	622.4	0.0	1.300	899.0	0.0	2.000	1206.1	0.0			

Node SW107 Deep Bore Soakaway Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	135.355	Borehole Diameter	0.300
Side Inf Coefficient (m/hr)	0.09000	Time to half empty (mins)	441	Borehole Depth (m)	22.000
Safety Factor	3.0	Diameter (m)	1.800	Inf Depth (m)	18.700
Porosity	1.00	Depth (m)		Number Required	18

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
10 year 15 minute summer	202.582	57.324	30 year 960 minute winter	9.461	3.761
10 year 15 minute winter	142.163	57.324	30 year 1440 minute summer	9.975	2.674
10 year 30 minute summer	129.107	36.533	30 year 1440 minute winter	6.704	2.674
10 year 30 minute winter	90.601	36.533	30 year +40% CC 15 minute summer	368.050	104.146
10 year 60 minute summer	84.517	22.335	30 year +40% CC 15 minute winter	258.281	104.146
10 year 60 minute winter	56.151	22.335	30 year +40% CC 30 minute summer	236.882	67.030
10 year 120 minute summer	56.093	14.824	30 year +40% CC 30 minute winter	166.233	67.030
10 year 120 minute winter	37.267	14.824	30 year +40% CC 60 minute summer	155.995	41.225
10 year 180 minute summer	43.938	11.307	30 year +40% CC 60 minute winter	103.639	41.225
10 year 180 minute winter	28.561	11.307	30 year +40% CC 120 minute summer	100.439	26.543
10 year 240 minute summer	34.858	9.212	30 year +40% CC 120 minute winter	66.729	26.543
10 year 240 minute winter	23.159	9.212	30 year +40% CC 180 minute summer	77.784	20.016
10 year 360 minute summer	26.345	6.780	30 year +40% CC 180 minute winter	50.561	20.016
10 year 360 minute winter	17.125	6.780	30 year +40% CC 240 minute summer	61.324	16.206
10 year 480 minute summer	20.403	5.392	30 year +40% CC 240 minute winter	40.742	16.206
10 year 480 minute winter	13.555	5.392	30 year +40% CC 360 minute summer	46.026	11.844
10 year 600 minute summer	16.441	4.497	30 year +40% CC 360 minute winter	29.918	11.844
10 year 600 minute winter	11.233	4.497	30 year +40% CC 480 minute summer	35.519	9.387
10 year 720 minute summer	14.440	3.870	30 year +40% CC 480 minute winter	23.598	9.387
10 year 720 minute winter	9.705	3.870	30 year +40% CC 600 minute summer	28.551	7.809
10 year 960 minute summer	11.580	3.049	30 year +40% CC 600 minute winter	19.507	7.809
10 year 960 minute winter	7.671	3.049	30 year +40% CC 720 minute summer	25.026	6.707
10 year 1440 minute summer	8.119	2.176	30 year +40% CC 720 minute winter	16.819	6.707
10 year 1440 minute winter	5.456	2.176	30 year +40% CC 960 minute summer	19.996	5.265
30 year 15 minute summer	262.893	74.390	30 year +40% CC 960 minute winter	13.246	5.265
30 year 15 minute winter	184.486	74.390	30 year +40% CC 1440 minute summer	13.966	3.743
30 year 30 minute summer	169.202	47.878	30 year +40% CC 1440 minute winter	9.386	3.743
30 year 30 minute winter	118.738	47.878	100 year 15 minute summer	339.045	95.938
30 year 60 minute summer	111.425	29.446	100 year 15 minute winter	237.926	95.938
30 year 60 minute winter	74.028	29.446	100 year 30 minute summer	219.944	62.237
30 year 120 minute summer	71.742	18.959	100 year 30 minute winter	154.347	62.237
30 year 120 minute winter	47.664	18.959	100 year 60 minute summer	145.574	38.471
30 year 180 minute summer	55.560	14.297	100 year 60 minute winter	96.716	38.471
30 year 180 minute winter	36.115	14.297	100 year 120 minute summer	93.499	24.709
30 year 240 minute summer	43.803	11.576	100 year 120 minute winter	62.119	24.709
30 year 240 minute winter	29.102	11.576	100 year 180 minute summer	72.690	18.706
30 year 360 minute summer	32.876	8.460	100 year 180 minute winter	47.250	18.706
30 year 360 minute winter	21.370	8.460	100 year 240 minute summer	57.501	15.196
30 year 480 minute summer	25.371	6.705	100 year 240 minute winter	38.203	15.196
30 year 480 minute winter	16.856	6.705	100 year 360 minute summer	43.330	11.150
30 year 600 minute summer	20.393	5.578	100 year 360 minute winter	28.165	11.150
30 year 600 minute winter	13.934	5.578	100 year 480 minute summer	33.499	8.853
30 year 720 minute summer	17.876	4.791	100 year 480 minute winter	22.256	8.853
30 year 720 minute winter	12.014	4.791	100 year 600 minute summer	26.921	7.363
30 year 960 minute summer	14.283	3.761	100 year 600 minute winter	18.394	7.363

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
100 year 720 minute summer	23.567	6.316	100 year +40% CC 180 minute winter	66.150	26.188
100 year 720 minute winter	15.839	6.316	100 year +40% CC 240 minute summer	80.502	21.274
100 year 960 minute summer	18.737	4.934	100 year +40% CC 240 minute winter	53.484	21.274
100 year 960 minute winter	12.412	4.934	100 year +40% CC 360 minute summer	60.661	15.610
100 year 1440 minute summer	12.924	3.464	100 year +40% CC 360 minute winter	39.431	15.610
100 year 1440 minute winter	8.686	3.464	100 year +40% CC 480 minute summer	46.898	12.394
100 year +40% CC 15 minute summer	474.663	134.313	100 year +40% CC 480 minute winter	31.158	12.394
100 year +40% CC 15 minute winter	333.097	134.313	100 year +40% CC 600 minute summer	37.689	10.309
100 year +40% CC 30 minute summer	307.922	87.131	100 year +40% CC 600 minute winter	25.752	10.309
100 year +40% CC 30 minute winter	216.085	87.131	100 year +40% CC 720 minute summer	32.994	8.843
100 year +40% CC 60 minute summer	203.804	53.859	100 year +40% CC 720 minute winter	22.174	8.843
100 year +40% CC 60 minute winter	135.402	53.859	100 year +40% CC 960 minute summer	26.232	6.908
100 year +40% CC 120 minute summer	130.899	34.593	100 year +40% CC 960 minute winter	17.377	6.908
100 year +40% CC 120 minute winter	86.966	34.593	100 year +40% CC 1440 minute summer	18.094	4.849
100 year +40% CC 180 minute summer	101.765	26.188	100 year +40% CC 1440 minute winter	12.160	4.849

Results for 10 year Critical Storm Duration. Lowest mass balance: 99.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW50	10	139.555	0.047	11.2	0.0677	0.0000	OK
15 minute summer	SW51	10	139.187	0.138	31.6	0.1974	0.0000	OK
15 minute summer	SW52	11	138.983	0.173	31.4	0.2471	0.0000	OK
15 minute summer	SW53	10	136.398	0.117	26.0	0.1679	0.0000	OK
15 minute summer	SW54	12	136.288	0.301	78.4	0.4301	0.0000	OK
15 minute summer	SW55	10	137.910	0.069	7.7	0.0985	0.0000	OK
15 minute summer	SW56	11	137.865	0.114	18.0	0.1632	0.0000	OK
15 minute summer	SW57	12	136.281	0.354	112.8	0.6255	0.0000	OK
15 minute summer	SW58	10	136.920	0.135	48.1	0.1932	0.0000	OK
15 minute summer	SW59	10	136.376	0.181	55.9	0.2592	0.0000	OK
15 minute summer	SW60	10	136.334	0.178	64.2	0.2550	0.0000	OK
15 minute summer	SW61	12	136.272	0.383	179.0	0.6775	0.0000	OK
960 minute summer	SW62	960	136.254	0.387	19.2	0.6843	0.0000	OK
960 minute summer	SW63	960	136.254	0.430	20.2	0.7598	0.0000	OK
960 minute summer	SW64	960	136.254	0.465	21.3	0.8222	0.0000	OK
960 minute summer	SW65	960	136.254	0.493	21.6	0.8710	0.0000	OK
960 minute summer	SW66	960	136.254	0.516	21.1	0.9112	0.0000	OK
960 minute winter	SW68	930	136.254	0.639	14.9	1.1291	0.0000	OK
15 minute summer	SW69	10	140.266	0.107	15.7	0.1530	0.0000	OK
15 minute summer	SW70	10	140.173	0.098	22.0	0.1409	0.0000	OK
15 minute summer	SW71	11	139.977	0.119	21.8	0.1698	0.0000	OK
15 minute summer	SW72	10	139.853	0.112	43.3	0.1599	0.0000	OK
15 minute summer	SW73	11	139.393	0.149	55.4	0.2137	0.0000	OK
15 minute summer	SW74	11	139.197	0.158	60.6	0.2260	0.0000	OK
15 minute summer	SW75	10	140.035	0.085	21.2	0.1221	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	SW50	1.000	SW51	11.2	0.724	0.098	0.1516	
15 minute summer	SW51	1.001	SW52	31.4	1.081	0.654	0.8100	
15 minute summer	SW52	1.002	SW54	31.3	1.032	0.849	0.2927	
15 minute summer	SW53	2.000	SW54	25.6	0.826	0.138	0.6476	
15 minute summer	SW54	1.003	SW57	74.5	0.580	0.245	4.7612	
15 minute summer	SW55	3.000	SW56	7.6	0.505	0.207	0.2715	
15 minute summer	SW56	3.001	SW57	17.7	0.901	0.482	0.4774	
15 minute summer	SW57	1.004	SW61	106.8	0.575	0.256	3.7722	
15 minute summer	SW58	4.000	SW59	47.5	1.605	0.382	0.8627	
15 minute summer	SW59	4.001	SW60	55.5	0.863	0.199	0.7642	
15 minute summer	SW60	4.002	SW61	64.6	0.954	0.232	2.6684	
15 minute summer	SW61	1.005	SW62	172.4	0.881	0.390	2.0513	
960 minute summer	SW62	1.006	SW63	18.9	0.541	0.043	4.3534	
960 minute summer	SW63	1.007	SW64	20.0	0.525	0.048	4.4463	
960 minute summer	SW64	1.008	SW65	20.9	0.533	0.049	3.6873	
960 minute summer	SW65	1.009	SW66	21.1	0.597	0.051	3.3463	
960 minute summer	SW66	1.010	SW67	20.2	0.523	0.042	11.2421	
960 minute winter	SW68	1.011	SW81	14.5	0.407	0.025	5.5136	
15 minute summer	SW69	5.000	SW70	15.5	0.879	0.422	0.2981	
15 minute summer	SW70	5.001	SW71	21.8	1.154	0.363	0.3070	
15 minute summer	SW71	5.002	SW72	21.8	1.120	0.436	0.0884	
15 minute summer	SW72	5.003	SW73	42.9	1.465	0.293	0.8454	
15 minute summer	SW73	5.004	SW74	55.2	1.521	0.420	0.5328	
15 minute summer	SW74	5.005	SW78	61.1	1.697	0.494	0.9746	
15 minute summer	SW75	6.000	SW76	21.0	1.419	0.293	0.3282	

Results for 10 year Critical Storm Duration. Lowest mass balance: 99.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW76	10	139.626	0.095	24.6	0.1357	0.0000	OK
15 minute summer	SW77	11	139.400	0.134	40.4	0.1915	0.0000	OK
15 minute summer	SW78	11	138.804	0.175	119.6	0.2504	0.0000	OK
15 minute summer	SW79	11	138.333	0.201	138.9	0.2872	0.0000	OK
15 minute summer	SW80	11	137.986	0.186	139.3	0.2660	0.0000	OK
960 minute winter	SW81	945	136.254	0.701	24.0	1.2388	0.0000	SURCHARGED
960 minute winter	SW82	930	136.258	0.758	23.4	1.3395	0.0000	OK
15 minute summer	SW83	10	139.195	0.051	7.3	0.0727	0.0000	OK
15 minute summer	SW84	10	138.643	0.062	13.6	0.0892	0.0000	OK
15 minute summer	SW85	10	138.421	0.100	21.7	0.1436	0.0000	OK
15 minute summer	SW86	10	138.261	0.128	30.6	0.1835	0.0000	OK
15 minute summer	SW87	10	137.981	0.068	38.4	0.0979	0.0000	OK
960 minute winter	SW88	945	136.254	0.754	2.5	0.8524	0.0000	OK
960 minute winter	SW89	945	136.254	0.754	14.9	0.8523	0.0000	SURCHARGED
960 minute winter	SW107	945	136.254	0.754	7.9	70.2810	0.0000	OK
960 minute winter	SW67	945	136.254	0.609	13.3	1.0760	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	SW76	6.001	SW77	24.4	1.205	0.344	0.2889	
15 minute summer	SW77	6.002	SW78	40.0	1.676	0.620	0.7565	
15 minute summer	SW78	5.006	SW79	119.9	2.172	0.395	1.1956	
15 minute summer	SW79	5.007	SW80	139.3	2.434	0.439	0.7598	
15 minute summer	SW80	5.008	SW81	139.5	2.694	0.440	1.6594	
960 minute winter	SW81	1.012	SW82	23.4	0.431	0.061	9.1629	
960 minute winter	SW82	Flow through Pond	SW89	14.9	0.015	0.003	408.8109	
15 minute summer	SW83	7.000	SW84	7.2	1.192	0.247	0.1268	
15 minute summer	SW84	7.001	SW85	13.5	1.046	0.167	0.1413	
15 minute summer	SW85	7.002	SW86	21.5	1.065	0.367	0.2990	
15 minute summer	SW86	7.003	SW87	30.3	1.828	0.515	0.2881	
15 minute summer	SW87	7.004	SW88	38.3	3.921	0.181	0.2054	
960 minute winter	SW88	Flow through Pond	SW89	14.9	0.015	0.003	408.8109	
960 minute winter	SW89	1.014	SW107	7.9	0.505	0.111	0.7331	
960 minute winter	SW107	Infiltration		2.6				437.9
960 minute winter	SW67	1.011_1	SW68	12.6	0.505	0.029	4.6944	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW50	10	139.562	0.054	14.5	0.0771	0.0000	OK
15 minute summer	SW51	10	139.216	0.167	41.0	0.2390	0.0000	OK
15 minute summer	SW52	11	139.026	0.216	40.6	0.3096	0.0000	OK
960 minute winter	SW53	945	136.421	0.140	2.1	0.1999	0.0000	OK
960 minute winter	SW54	945	136.422	0.435	6.4	0.6218	0.0000	OK
15 minute summer	SW55	10	137.920	0.079	9.9	0.1126	0.0000	OK
15 minute summer	SW56	11	137.885	0.134	23.3	0.1922	0.0000	OK
960 minute winter	SW57	945	136.421	0.494	9.5	0.8736	0.0000	OK
15 minute summer	SW58	10	136.943	0.158	62.4	0.2264	0.0000	OK
960 minute winter	SW59	945	136.421	0.226	4.5	0.3236	0.0000	OK
960 minute winter	SW60	945	136.421	0.265	5.2	0.3796	0.0000	OK
960 minute winter	SW61	945	136.421	0.532	14.9	0.9405	0.0000	OK
960 minute winter	SW62	945	136.423	0.556	15.1	0.9825	0.0000	OK
960 minute winter	SW63	945	136.423	0.599	15.8	1.0584	0.0000	OK
960 minute summer	SW64	975	136.420	0.631	24.6	1.1155	0.0000	OK
960 minute winter	SW65	960	136.421	0.660	16.3	1.1653	0.0000	OK
960 minute winter	SW66	960	136.421	0.683	15.9	1.2063	0.0000	SURCHARGED
960 minute winter	SW68	930	136.424	0.809	17.1	1.4297	0.0000	SURCHARGED
15 minute summer	SW69	10	140.285	0.126	20.3	0.1800	0.0000	OK
15 minute summer	SW70	10	140.190	0.116	28.6	0.1665	0.0000	OK
15 minute summer	SW71	11	139.998	0.140	28.3	0.2000	0.0000	OK
15 minute summer	SW72	10	139.871	0.130	56.2	0.1867	0.0000	OK
15 minute summer	SW73	11	139.422	0.178	72.1	0.2548	0.0000	OK
15 minute summer	SW74	11	139.226	0.187	78.6	0.2682	0.0000	OK
15 minute summer	SW75	10	140.049	0.099	27.5	0.1416	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	SW50	1.000	SW51	14.4	0.745	0.126	0.1867	
15 minute summer	SW51	1.001	SW52	40.6	1.137	0.845	0.9854	
15 minute summer	SW52	1.002	SW54	40.4	1.117	1.098	0.3448	
960 minute winter	SW53	2.000	SW54	2.1	0.427	0.011	1.1902	
960 minute winter	SW54	1.003	SW57	6.4	0.379	0.021	7.0774	
15 minute summer	SW55	3.000	SW56	9.8	0.537	0.267	0.3311	
15 minute summer	SW56	3.001	SW57	22.9	0.962	0.624	0.5785	
960 minute winter	SW57	1.004	SW61	9.2	0.384	0.022	5.5079	
15 minute summer	SW58	4.000	SW59	61.6	1.708	0.495	1.0519	
960 minute winter	SW59	4.001	SW60	4.5	0.450	0.016	1.1615	
960 minute winter	SW60	4.002	SW61	5.2	0.525	0.019	4.9093	
960 minute winter	SW61	1.005	SW62	14.7	0.522	0.033	3.0278	
960 minute winter	SW62	1.006	SW63	14.8	0.507	0.034	6.2590	
960 minute winter	SW63	1.007	SW64	15.3	0.493	0.037	6.0373	
960 minute summer	SW64	1.008	SW65	23.8	0.526	0.056	4.7777	
960 minute winter	SW65	1.009	SW66	15.9	0.554	0.039	4.1647	
960 minute winter	SW66	1.010	SW67	15.2	0.512	0.032	12.7140	
960 minute winter	SW68	1.011	SW81	16.6	0.401	0.028	5.5703	
15 minute summer	SW69	5.000	SW70	20.1	0.923	0.547	0.3678	
15 minute summer	SW70	5.001	SW71	28.3	1.217	0.472	0.3779	
15 minute summer	SW71	5.002	SW72	28.3	1.193	0.566	0.1077	
15 minute summer	SW72	5.003	SW73	55.9	1.534	0.382	1.0476	
15 minute summer	SW73	5.004	SW74	71.6	1.596	0.545	0.6593	
15 minute summer	SW74	5.005	SW78	79.3	1.797	0.641	1.1942	
15 minute summer	SW75	6.000	SW76	27.3	1.492	0.381	0.4053	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW76	10	139.644	0.112	31.9	0.1609	0.0000	OK
15 minute summer	SW77	11	139.427	0.161	52.4	0.2310	0.0000	OK
15 minute summer	SW78	11	138.837	0.208	155.1	0.2971	0.0000	OK
15 minute summer	SW79	11	138.372	0.240	180.2	0.3441	0.0000	OK
15 minute summer	SW80	11	138.020	0.220	180.8	0.3148	0.0000	OK
960 minute winter	SW81	930	136.423	0.870	28.2	1.5373	0.0000	SURCHARGED
960 minute winter	SW82	945	136.424	0.924	27.6	1.6330	0.0000	OK
15 minute summer	SW83	10	139.203	0.058	9.5	0.0837	0.0000	OK
15 minute summer	SW84	10	138.654	0.073	17.7	0.1039	0.0000	OK
15 minute summer	SW85	10	138.441	0.120	28.3	0.1712	0.0000	OK
15 minute summer	SW86	10	138.285	0.152	39.8	0.2170	0.0000	OK
15 minute summer	SW87	10	137.992	0.079	49.9	0.1132	0.0000	OK
960 minute winter	SW88	945	136.421	0.920	3.1	1.0409	0.0000	OK
960 minute winter	SW89	945	136.420	0.920	33.4	1.0408	0.0000	SURCHARGED
960 minute winter	SW107	945	136.420	0.920	7.9	78.1001	0.0000	OK
960 minute winter	SW67	930	136.425	0.780	15.2	1.3777	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	SW76	6.001	SW77	31.6	1.250	0.445	0.3592	
15 minute summer	SW77	6.002	SW78	51.9	1.762	0.803	0.9330	
15 minute summer	SW78	5.006	SW79	155.6	2.266	0.512	1.4862	
15 minute summer	SW79	5.007	SW80	180.8	2.549	0.570	0.9411	
15 minute summer	SW80	5.008	SW81	181.1	2.854	0.571	2.0325	
960 minute winter	SW81	1.012	SW82	27.6	0.465	0.072	9.1629	
960 minute winter	SW82	Flow through Pond	SW89	33.4	0.014	0.006	527.3298	
15 minute summer	SW83	7.000	SW84	9.4	1.275	0.322	0.1543	
15 minute summer	SW84	7.001	SW85	17.6	1.088	0.218	0.1762	
15 minute summer	SW85	7.002	SW86	28.0	1.120	0.477	0.3685	
15 minute summer	SW86	7.003	SW87	39.4	1.933	0.669	0.3512	
15 minute summer	SW87	7.004	SW88	49.7	4.192	0.235	0.2872	
960 minute winter	SW88	Flow through Pond	SW89	33.4	0.014	0.006	527.3298	
960 minute winter	SW89	1.014	SW107	7.9	0.506	0.112	0.7331	
960 minute winter	SW107	Infiltration		2.6				441.9
960 minute winter	SW67	1.011_1	SW68	14.4	0.507	0.033	4.8670	

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW50	10	139.572	0.064	20.3	0.0914	0.0000	OK
15 minute summer	SW51	11	139.510	0.461	57.5	0.6596	0.0000	SURCHARGED
15 minute summer	SW52	11	139.123	0.313	55.8	0.4479	0.0000	SURCHARGED
15 minute summer	SW53	12	136.947	0.666	47.2	0.9529	0.0000	SURCHARGED
15 minute summer	SW54	12	136.916	0.929	139.3	1.3299	0.0000	SURCHARGED
15 minute summer	SW55	11	137.939	0.098	13.9	0.1396	0.0000	OK
15 minute summer	SW56	11	137.922	0.171	32.3	0.2451	0.0000	OK
15 minute summer	SW57	13	136.875	0.948	192.4	1.6759	0.0000	SURCHARGED
15 minute summer	SW58	12	136.986	0.201	87.3	0.2873	0.0000	OK
15 minute summer	SW59	12	136.923	0.728	101.6	1.0419	0.0000	SURCHARGED
15 minute summer	SW60	13	136.893	0.737	116.0	1.0552	0.0000	SURCHARGED
15 minute summer	SW61	12	136.897	1.008	296.5	1.7813	0.0000	SURCHARGED
15 minute summer	SW62	12	136.894	1.027	277.7	1.8144	0.0000	SURCHARGED
15 minute summer	SW63	12	136.883	1.059	283.8	1.8706	0.0000	SURCHARGED
15 minute summer	SW64	12	136.835	1.046	284.9	1.8485	0.0000	SURCHARGED
1440 minute winter	SW65	1440	136.783	1.022	14.9	1.8053	0.0000	SURCHARGED
1440 minute winter	SW66	1440	136.783	1.045	14.5	1.8460	0.0000	SURCHARGED
1440 minute winter	SW68	1410	136.783	1.168	16.1	2.0641	0.0000	SURCHARGED
15 minute summer	SW69	10	140.319	0.160	28.4	0.2285	0.0000	OK
15 minute summer	SW70	10	140.222	0.148	39.9	0.2115	0.0000	OK
15 minute summer	SW71	11	140.034	0.176	39.4	0.2520	0.0000	OK
15 minute summer	SW72	10	139.903	0.162	78.5	0.2314	0.0000	OK
15 minute summer	SW73	11	139.478	0.234	100.6	0.3347	0.0000	OK
15 minute summer	SW74	11	139.283	0.244	109.9	0.3495	0.0000	OK
15 minute summer	SW75	10	140.072	0.122	38.6	0.1745	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	SW50	1.000	SW51	20.2	0.765	0.177	0.2354	
15 minute summer	SW51	1.001	SW52	55.8	1.403	1.163	1.1137	
15 minute summer	SW52	1.002	SW54	55.9	1.412	1.519	0.3698	
15 minute summer	SW53	2.000	SW54	45.3	0.931	0.244	3.3035	
15 minute summer	SW54	1.003	SW57	122.0	0.584	0.401	8.5376	
15 minute summer	SW55	3.000	SW56	13.5	0.574	0.369	0.4386	
15 minute summer	SW56	3.001	SW57	31.9	1.053	0.870	0.7362	
15 minute summer	SW57	1.004	SW61	173.2	0.631	0.415	6.7562	
15 minute summer	SW58	4.000	SW59	86.3	1.838	0.694	1.7575	
15 minute summer	SW59	4.001	SW60	100.2	0.948	0.360	2.5308	
15 minute summer	SW60	4.002	SW61	108.6	0.973	0.391	7.6352	
15 minute summer	SW61	1.005	SW62	268.5	0.967	0.608	3.5070	
15 minute summer	SW62	1.006	SW63	263.2	0.941	0.597	6.8818	
15 minute summer	SW63	1.007	SW64	266.0	0.948	0.642	6.3203	
15 minute summer	SW64	1.008	SW65	278.3	0.981	0.658	4.8603	
1440 minute winter	SW65	1.009	SW66	14.5	0.497	0.035	4.1777	
1440 minute winter	SW66	1.010	SW67	13.9	0.459	0.029	12.7145	
1440 minute winter	SW68	1.011	SW81	15.8	0.351	0.027	5.5703	
15 minute summer	SW69	5.000	SW70	28.1	0.971	0.764	0.4882	
15 minute summer	SW70	5.001	SW71	39.4	1.294	0.657	0.4940	
15 minute summer	SW71	5.002	SW72	39.5	1.285	0.790	0.1390	
15 minute summer	SW72	5.003	SW73	78.0	1.594	0.533	1.3959	
15 minute summer	SW73	5.004	SW74	100.1	1.671	0.761	0.8832	
15 minute summer	SW74	5.005	SW78	110.5	1.899	0.894	1.5733	
15 minute summer	SW75	6.000	SW76	38.4	1.556	0.536	0.6183	

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW76	11	139.718	0.187	44.9	0.2672	0.0000	OK
15 minute summer	SW77	11	139.624	0.358	70.1	0.5120	0.0000	SURCHARGED
15 minute summer	SW78	11	138.894	0.265	213.4	0.3799	0.0000	OK
15 minute summer	SW79	11	138.446	0.314	248.1	0.4494	0.0000	OK
15 minute summer	SW80	11	138.078	0.278	248.3	0.3980	0.0000	OK
1440 minute winter	SW81	1410	136.783	1.230	27.4	2.1737	0.0000	SURCHARGED
1440 minute winter	SW82	1440	136.786	1.286	27.2	2.2722	0.0000	OK
15 minute summer	SW83	10	139.215	0.071	13.3	0.1009	0.0000	OK
15 minute summer	SW84	10	138.671	0.090	24.9	0.1288	0.0000	OK
15 minute summer	SW85	10	138.473	0.152	39.7	0.2171	0.0000	OK
15 minute summer	SW86	10	138.331	0.198	55.8	0.2832	0.0000	OK
15 minute summer	SW87	10	138.009	0.096	69.9	0.1377	0.0000	OK
1440 minute winter	SW88	1410	136.782	1.282	3.0	1.4494	0.0000	OK
1440 minute winter	SW89	1440	136.781	1.281	17.5	1.4493	0.0000	SURCHARGED
1440 minute winter	SW107	1440	136.781	1.281	6.3	95.0539	0.0000	OK
1440 minute winter	SW67	1410	136.783	1.138	13.9	2.0104	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	SW76	6.001	SW77	42.1	1.276	0.593	0.5356	
15 minute summer	SW77	6.002	SW78	69.1	1.850	1.071	1.2402	
15 minute summer	SW78	5.006	SW79	213.6	2.353	0.703	1.9712	
15 minute summer	SW79	5.007	SW80	248.3	2.660	0.783	1.2361	
15 minute summer	SW80	5.008	SW81	248.1	3.022	0.782	2.6257	
1440 minute winter	SW81	1.012	SW82	27.2	0.450	0.071	9.1629	
1440 minute winter	SW82	Flow through Pond	SW89	17.5	0.010	0.003	822.7597	
15 minute summer	SW83	7.000	SW84	13.2	1.376	0.450	0.1998	
15 minute summer	SW84	7.001	SW85	24.7	1.137	0.306	0.2346	
15 minute summer	SW85	7.002	SW86	39.4	1.189	0.670	0.4836	
15 minute summer	SW86	7.003	SW87	55.3	2.068	0.939	0.4569	
15 minute summer	SW87	7.004	SW88	69.7	4.557	0.329	0.3247	
1440 minute winter	SW88	Flow through Pond	SW89	17.5	0.010	0.003	822.7597	
1440 minute winter	SW89	1.014	SW107	6.3	0.469	0.089	0.7331	
1440 minute winter	SW107	Infiltration		2.6				514.3
1440 minute winter	SW67	1.011_1	SW68	13.3	0.440	0.030	4.8670	

Results for 100 year Critical Storm Duration. Lowest mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW50	10	139.569	0.061	18.7	0.0876	0.0000	OK
15 minute summer	SW51	11	139.421	0.372	52.9	0.5322	0.0000	SURCHARGED
15 minute summer	SW52	11	139.094	0.284	51.3	0.4057	0.0000	SURCHARGED
960 minute winter	SW53	960	136.702	0.421	2.7	0.6029	0.0000	OK
960 minute winter	SW54	960	136.703	0.716	8.3	1.0241	0.0000	SURCHARGED
15 minute summer	SW55	10	137.931	0.090	12.8	0.1293	0.0000	OK
15 minute summer	SW56	11	137.912	0.161	30.0	0.2300	0.0000	OK
960 minute winter	SW57	960	136.701	0.774	11.9	1.3682	0.0000	SURCHARGED
15 minute summer	SW58	10	136.972	0.187	80.4	0.2677	0.0000	OK
960 minute winter	SW59	960	136.702	0.507	5.9	0.7248	0.0000	OK
960 minute winter	SW60	960	136.701	0.545	6.8	0.7803	0.0000	SURCHARGED
960 minute winter	SW61	960	136.702	0.813	18.6	1.4363	0.0000	SURCHARGED
960 minute winter	SW62	960	136.702	0.835	18.1	1.4755	0.0000	SURCHARGED
960 minute winter	SW63	960	136.702	0.878	18.9	1.5507	0.0000	SURCHARGED
960 minute winter	SW64	960	136.701	0.912	19.6	1.6115	0.0000	SURCHARGED
960 minute winter	SW65	960	136.701	0.940	19.6	1.6610	0.0000	SURCHARGED
960 minute winter	SW66	960	136.701	0.963	19.1	1.7020	0.0000	SURCHARGED
960 minute winter	SW68	960	136.702	1.087	21.1	1.9204	0.0000	SURCHARGED
15 minute summer	SW69	10	140.309	0.150	26.2	0.2148	0.0000	OK
15 minute summer	SW70	10	140.213	0.139	36.8	0.1988	0.0000	OK
15 minute summer	SW71	11	140.024	0.166	36.4	0.2374	0.0000	OK
15 minute summer	SW72	10	139.894	0.153	72.4	0.2191	0.0000	OK
15 minute summer	SW73	11	139.461	0.217	92.8	0.3103	0.0000	OK
15 minute summer	SW74	11	139.266	0.227	101.4	0.3248	0.0000	OK
15 minute summer	SW75	10	140.065	0.115	35.5	0.1650	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	SW50	1.000	SW51	18.6	0.760	0.163	0.2329	
15 minute summer	SW51	1.001	SW52	51.3	1.291	1.070	1.1137	
15 minute summer	SW52	1.002	SW54	51.5	1.306	1.398	0.3649	
960 minute winter	SW53	2.000	SW54	2.7	0.453	0.015	3.2598	
960 minute winter	SW54	1.003	SW57	7.8	0.389	0.026	8.5376	
15 minute summer	SW55	3.000	SW56	12.6	0.565	0.344	0.4039	
15 minute summer	SW56	3.001	SW57	29.5	1.032	0.805	0.6951	
960 minute winter	SW57	1.004	SW61	11.0	0.390	0.026	6.7562	
15 minute summer	SW58	4.000	SW59	79.5	1.807	0.639	1.2973	
960 minute winter	SW59	4.001	SW60	5.9	0.493	0.021	2.5167	
960 minute winter	SW60	4.002	SW61	6.8	0.560	0.024	7.6352	
960 minute winter	SW61	1.005	SW62	17.6	0.536	0.040	3.5070	
960 minute winter	SW62	1.006	SW63	17.5	0.518	0.040	6.8818	
960 minute winter	SW63	1.007	SW64	18.2	0.501	0.044	6.3203	
960 minute winter	SW64	1.008	SW65	18.9	0.508	0.045	4.8603	
960 minute winter	SW65	1.009	SW66	19.1	0.564	0.046	4.1777	
960 minute winter	SW66	1.010	SW67	18.2	0.499	0.038	12.7145	
960 minute winter	SW68	1.011	SW81	20.7	0.392	0.035	5.5703	
15 minute summer	SW69	5.000	SW70	25.9	0.961	0.705	0.4552	
15 minute summer	SW70	5.001	SW71	36.4	1.276	0.607	0.4628	
15 minute summer	SW71	5.002	SW72	36.4	1.263	0.729	0.1306	
15 minute summer	SW72	5.003	SW73	72.0	1.585	0.492	1.2987	
15 minute summer	SW73	5.004	SW74	92.3	1.657	0.702	0.8199	
15 minute summer	SW74	5.005	SW78	102.1	1.881	0.825	1.4677	
15 minute summer	SW75	6.000	SW76	35.2	1.595	0.492	0.5047	

Results for 100 year Critical Storm Duration. Lowest mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW76	10	139.667	0.136	41.2	0.1951	0.0000	OK
15 minute summer	SW77	11	139.529	0.263	68.0	0.3762	0.0000	SURCHARGED
15 minute summer	SW78	11	138.877	0.248	197.7	0.3555	0.0000	OK
15 minute summer	SW79	11	138.424	0.292	229.6	0.4174	0.0000	OK
15 minute summer	SW80	11	138.062	0.262	229.9	0.3743	0.0000	OK
960 minute winter	SW81	960	136.702	1.149	36.2	2.0298	0.0000	SURCHARGED
960 minute winter	SW82	960	136.705	1.205	35.9	2.1288	0.0000	OK
15 minute summer	SW83	10	139.211	0.067	12.3	0.0965	0.0000	OK
15 minute summer	SW84	10	138.666	0.085	22.9	0.1219	0.0000	OK
15 minute summer	SW85	10	138.464	0.143	36.5	0.2049	0.0000	OK
15 minute summer	SW86	10	138.316	0.183	51.4	0.2621	0.0000	OK
15 minute summer	SW87	10	138.005	0.092	64.4	0.1312	0.0000	OK
960 minute winter	SW88	960	136.700	1.200	4.1	1.3569	0.0000	OK
960 minute winter	SW89	960	136.700	1.200	23.0	1.3569	0.0000	SURCHARGED
960 minute winter	SW107	960	136.700	1.200	8.5	91.2128	0.0000	OK
960 minute winter	SW67	960	136.702	1.057	18.2	1.8669	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	SW76	6.001	SW77	41.2	1.277	0.580	0.4550	
15 minute summer	SW77	6.002	SW78	64.8	1.764	1.005	1.2320	
15 minute summer	SW78	5.006	SW79	197.8	2.337	0.651	1.8354	
15 minute summer	SW79	5.007	SW80	229.9	2.639	0.725	1.1553	
15 minute summer	SW80	5.008	SW81	230.5	2.990	0.727	2.4671	
960 minute winter	SW81	1.012	SW82	35.9	0.491	0.094	9.1629	
960 minute winter	SW82	Flow through Pond	SW89	23.0	0.017	0.004	751.2336	
15 minute summer	SW83	7.000	SW84	12.2	1.356	0.416	0.1875	
15 minute summer	SW84	7.001	SW85	22.7	1.123	0.281	0.2190	
15 minute summer	SW85	7.002	SW86	36.2	1.173	0.616	0.4526	
15 minute summer	SW86	7.003	SW87	50.8	2.039	0.863	0.4276	
15 minute summer	SW87	7.004	SW88	64.1	4.466	0.303	0.3107	
960 minute winter	SW88	Flow through Pond	SW89	23.0	0.017	0.004	751.2336	
960 minute winter	SW89	1.014	SW107	8.5	0.518	0.120	0.7331	
960 minute winter	SW107	Infiltration		2.6				446.4
960 minute winter	SW67	1.011_1	SW68	17.4	0.498	0.040	4.8670	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW50	11	139.863	0.355	26.2	0.5084	0.0000	SURCHARGED
15 minute summer	SW51	11	139.831	0.782	70.6	1.1195	0.0000	SURCHARGED
15 minute summer	SW52	11	139.227	0.417	69.5	0.5968	0.0000	SURCHARGED
15 minute summer	SW53	12	137.857	1.576	61.8	2.2549	0.0000	SURCHARGED
15 minute summer	SW54	12	137.833	1.846	163.1	2.6413	0.0000	SURCHARGED
15 minute summer	SW55	11	137.990	0.149	17.9	0.2136	0.0000	OK
15 minute summer	SW56	11	137.974	0.223	41.0	0.3186	0.0000	OK
15 minute summer	SW57	12	137.825	1.898	228.0	3.3540	0.0000	SURCHARGED
15 minute summer	SW58	12	138.056	1.271	112.6	1.8186	0.0000	SURCHARGED
15 minute summer	SW59	12	137.851	1.656	130.8	2.3700	0.0000	SURCHARGED
15 minute summer	SW60	12	137.830	1.674	136.9	2.3951	0.0000	SURCHARGED
15 minute summer	SW61	12	137.802	1.913	348.4	3.3803	0.0000	SURCHARGED
15 minute summer	SW62	12	137.764	1.897	361.3	3.3516	0.0000	SURCHARGED
15 minute summer	SW63	12	137.712	1.887	398.8	3.3352	0.0000	FLOOD RISK
15 minute summer	SW64	12	137.659	1.870	392.8	3.3048	0.0000	FLOOD RISK
15 minute summer	SW65	12	137.613	1.852	401.4	3.2725	0.0000	FLOOD RISK
15 minute summer	SW66	12	137.565	1.827	399.3	3.2281	0.0000	SURCHARGED
15 minute summer	SW68	12	137.404	1.789	452.5	3.1609	0.0000	SURCHARGED
15 minute summer	SW69	10	140.362	0.203	36.7	0.2900	0.0000	OK
15 minute summer	SW70	11	140.261	0.187	51.4	0.2675	0.0000	OK
15 minute summer	SW71	12	140.109	0.251	50.6	0.3596	0.0000	SURCHARGED
15 minute summer	SW72	12	140.028	0.287	100.1	0.4105	0.0000	OK
15 minute summer	SW73	11	139.815	0.571	125.6	0.8165	0.0000	SURCHARGED
15 minute summer	SW74	11	139.572	0.533	131.2	0.7630	0.0000	SURCHARGED
15 minute summer	SW75	12	140.392	0.442	49.7	0.6318	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	SW50	1.000	SW51	24.6	0.746	0.215	0.3820	
15 minute summer	SW51	1.001	SW52	69.5	1.748	1.449	1.1137	
15 minute summer	SW52	1.002	SW54	69.2	1.741	1.880	0.3791	
15 minute summer	SW53	2.000	SW54	55.3	0.908	0.299	3.3035	
15 minute summer	SW54	1.003	SW57	149.6	0.615	0.492	8.5376	
15 minute summer	SW55	3.000	SW56	16.9	0.591	0.462	0.6064	
15 minute summer	SW56	3.001	SW57	40.0	1.093	1.092	0.9053	
15 minute summer	SW57	1.004	SW61	221.6	0.643	0.530	6.7562	
15 minute summer	SW58	4.000	SW59	111.1	1.909	0.893	2.0538	
15 minute summer	SW59	4.001	SW60	117.5	0.977	0.422	2.5308	
15 minute summer	SW60	4.002	SW61	124.4	0.975	0.448	7.6352	
15 minute summer	SW61	1.005	SW62	350.0	0.991	0.793	3.5070	
15 minute summer	SW62	1.006	SW63	368.8	1.033	0.837	6.8818	
15 minute summer	SW63	1.007	SW64	366.5	1.027	0.884	6.3203	
15 minute summer	SW64	1.008	SW65	389.0	1.090	0.920	4.8603	
15 minute summer	SW65	1.009	SW66	399.3	1.119	0.966	4.1777	
15 minute summer	SW66	1.010	SW67	396.3	1.110	0.831	12.7145	
15 minute summer	SW68	1.011	SW81	445.0	1.247	0.755	5.5703	
15 minute summer	SW69	5.000	SW70	36.1	0.996	0.985	0.6130	
15 minute summer	SW70	5.001	SW71	50.6	1.337	0.844	0.6102	
15 minute summer	SW71	5.002	SW72	50.5	1.301	1.011	0.1783	
15 minute summer	SW72	5.003	SW73	96.4	1.604	0.659	2.0087	
15 minute summer	SW73	5.004	SW74	117.9	1.699	0.897	1.0335	
15 minute summer	SW74	5.005	SW78	130.1	1.875	1.052	1.9071	
15 minute summer	SW75	6.000	SW76	46.2	1.572	0.645	0.8800	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW76	12	140.214	0.683	54.2	0.9773	0.0000	SURCHARGED
15 minute summer	SW77	12	140.027	0.761	84.0	1.0888	0.0000	SURCHARGED
15 minute summer	SW78	11	139.106	0.477	252.9	0.6822	0.0000	SURCHARGED
15 minute summer	SW79	11	138.620	0.488	296.3	0.6980	0.0000	SURCHARGED
15 minute summer	SW80	11	138.131	0.331	295.5	0.4735	0.0000	OK
15 minute summer	SW81	13	137.329	1.776	747.1	3.1376	0.0000	SURCHARGED
1440 minute winter	SW82	1440	137.126	1.626	38.1	2.8733	0.0000	OK
15 minute summer	SW83	10	139.228	0.084	17.2	0.1197	0.0000	OK
15 minute summer	SW84	11	138.706	0.125	32.1	0.1790	0.0000	OK
15 minute summer	SW85	11	138.675	0.354	49.6	0.5061	0.0000	SURCHARGED
15 minute summer	SW86	11	138.505	0.372	68.5	0.5322	0.0000	SURCHARGED
15 minute summer	SW87	10	138.021	0.108	86.2	0.1546	0.0000	OK
1440 minute winter	SW88	1440	137.124	1.624	3.9	1.8364	0.0000	OK
1440 minute winter	SW89	1440	137.124	1.624	23.5	1.8364	0.0000	SURCHARGED
1440 minute winter	SW107	1440	137.124	1.624	7.6	111.1222	0.0000	OK
15 minute summer	SW67	12	137.464	1.819	396.3	3.2147	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	SW76	6.001	SW77	52.3	1.314	0.736	0.5680	
15 minute summer	SW77	6.002	SW78	83.0	2.087	1.286	1.2609	
15 minute summer	SW78	5.006	SW79	251.7	2.363	0.829	2.3891	
15 minute summer	SW79	5.007	SW80	295.5	2.683	0.931	1.4154	
15 minute summer	SW80	5.008	SW81	293.1	3.057	0.925	3.2458	
15 minute summer	SW81	1.012	SW82	739.0	2.070	1.939	9.1629	
1440 minute winter	SW82	Flow through Pond	SW89	23.5	0.014	0.004	1152.4072	
15 minute summer	SW83	7.000	SW84	17.1	1.506	0.583	0.2639	
15 minute summer	SW84	7.001	SW85	30.3	1.147	0.375	0.3384	
15 minute summer	SW85	7.002	SW86	48.1	1.209	0.819	0.5875	
15 minute summer	SW86	7.003	SW87	68.0	2.046	1.154	0.5032	
15 minute summer	SW87	7.004	SW88	87.4	4.751	0.413	0.3827	
1440 minute winter	SW88	Flow through Pond	SW89	23.5	0.014	0.004	1152.4072	
1440 minute winter	SW89	1.014	SW107	7.6	0.498	0.107	0.7331	
1440 minute winter	SW107	Infiltration		2.6				518.4
15 minute summer	SW67	1.011_1	SW68	389.1	1.090	0.889	4.8670	