

Design Settings

Rainfall Methodology	FEH-22	Minimum Velocity (m/s)	1.00
Return Period (years)	30	Connection Type	Level Soffits
Additional Flow (%)	0	Minimum Backdrop Height (m)	1.000
CV	0.900	Preferred Cover Depth (m)	0.400
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		

Pipeline Schedule

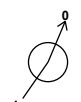
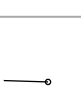
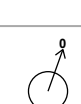
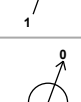
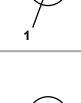
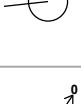
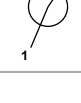
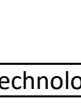
Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.000	26.499	500.0	225	Circular	69.650	69.025	0.400	69.650	68.972	0.453
1.001	24.531	169.2	225	Circular	69.650	68.972	0.453	69.650	68.827	0.598
1.002	5.277	164.9	225	Circular	69.650	68.827	0.598	69.750	68.795	0.730
1.003	7.743	168.3	225	Circular	69.750	68.795	0.730	69.650	68.749	0.676
4.000	3.196	99.9	150	Circular	67.800	67.200	0.450	67.800	67.168	0.482
1.004	16.902	169.0	225	Circular	69.650	68.749	0.676	69.650	68.649	0.776
2.000	5.665	59.0	100	Circular	68.080	67.580	0.400	68.040	67.484	0.456
3.000	3.972	59.3	100	Circular	68.080	67.580	0.400	68.080	67.513	0.467
5.000	2.581	0.7	100	Circular	68.800	68.300	0.400	65.030	64.530	0.400
1.005	22.060	169.7	225	Circular	69.650	68.649	0.776	69.340	68.519	0.596

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	1	315	Manhole	Adoptable	2	315	Manhole	Adoptable
1.001	2	315	Manhole	Adoptable	3	315	Manhole	Adoptable
1.002	3	315	Manhole	Adoptable	4 RWH	2100	Manhole	Adoptable
1.003	4 RWH	2100	Manhole	Adoptable	5	600	Manhole	Adoptable
4.000	8	450	Manhole	Adoptable	SA1		Junction	
1.004	5	600	Manhole	Adoptable	6	600	Manhole	Adoptable
2.000	PATIO AREA	315	Manhole	Adoptable	SWP 1	1000	Manhole	Adoptable
3.000	GARDEN SLOT	315	Manhole	Adoptable	SWP 2	1000	Manhole	Adoptable
5.000	WEST SLOT	315	Manhole	Adoptable	SWP 3	1000	Manhole	Adoptable
1.005	6	600	Manhole	Adoptable	7	450	Manhole	Adoptable

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
1	480811.588	164575.780	69.650	0.625	315				
						0	1.000	69.025	225
2	480826.094	164597.956	69.650	0.678	315		1	1.000	68.972
						0	1.001	68.972	225

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
3	480839.502	164618.499	69.650	0.823	315		1	1.001	68.827	225
4 RWH	480842.514	164622.832	69.750	0.955	2100		0	1.002	68.827	225
							1	1.002	68.795	225
7	480874.885	164653.505	69.340	1.008	450		0	1.003	68.795	225
8	480893.640	164710.894	67.800	0.600	450		1	1.005	68.519	225
							0	4.000	67.200	150
SA1	480896.834	164710.795	67.800	0.632			1	4.000	67.168	150
PATIO AREA	480832.849	164610.797	68.080	0.500	315		0	2.000	67.580	100
SWP 1	480834.754	164616.132	68.040	1.556	1000		1	2.000	67.484	100
GARDEN SLOT	480822.136	164593.894	68.080	0.500	315		0	3.000	67.580	100
SWP 2	480823.508	164597.621	68.080	1.567	1000		1	3.000	67.513	100
WEST SLOT	480813.064	164602.333	68.800	0.500	315		0	5.000	68.300	100
SWP 3	480815.630	164602.612	65.030	1.500	1000		1	5.000	64.530	100
5	480845.525	164629.966	69.650	0.901	600		1	1.003	68.749	225
6	480854.994	164643.966	69.650	1.001	600		0	1.004	68.749	225
							1	1.004	68.649	225
							0	1.005	68.649	225

Simulation Settings

Rainfall Methodology	FEH-22	Analysis Speed	Normal	Starting Level (m)	
Rainfall Events	Singular	Skip Steady State	x	Check Discharge Rate(s)	x
Summer CV	0.900	Drain Down Time (mins)	240	Check Discharge Volume	x
Winter CV	0.900	Additional Storage (m³/ha)	20.0		

Storm Durations

15 | 30 | 60 | 120 | 180 | 240 | 360 | 480 | 600 | 720 | 960 | 1440

Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
1	0	10	0
30	0	10	0
100	0	10	0
100	40	0	0

Node SA1 Online Depth/Flow Control

Flap Valve x | Replaces Downstream Link ✓ | Invert Level (m) 67.168

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.001	0.000	5.000	0.000

Node SWP 2 Offline Pump Control

Flap Valve x | Invert Level (m) 66.513 | Switch off depth (m) 0.200
Loop to Node 2 | Switch on depth (m) 0.300

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.001	5.000	1.500	5.000

Node SWP 3 Offline Pump Control

Flap Valve x | Invert Level (m) 63.530 | Switch off depth (m) 0.200
Loop to Node 4 RWH | Switch on depth (m) 0.300

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.001	5.000	1.500	5.000

Node SWP 1 Offline Pump Control

Flap Valve x | Invert Level (m) 66.484 | Switch off depth (m) 0.200
Loop to Node 4 RWH | Switch on depth (m) 0.300

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.200	5.000	1.500	5.000

Node SA1 Depth/Area Storage Structure

Base Inf Coefficient (m/hr) 0.00781 | Safety Factor 1.5 | Invert Level (m) 66.100
Side Inf Coefficient (m/hr) 0.00781 | Porosity 0.95 | Time to half empty (mins)

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	45.0	30.0	1.200	45.0	53.3	1.201	0.0	53.3

Node 8 Flow through Pond Storage Structure

Base Inf Coefficient (m/hr)	0.00781	Porosity	0.30	Main Channel Length (m)	60.000
Side Inf Coefficient (m/hr)	0.00781	Invert Level (m)	67.200	Main Channel Slope (1:X)	53.0
Safety Factor	2.0	Time to half empty (mins)	14	Main Channel n	0.030

Inlets

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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	29.7	700.3	0.400	29.7	737.3	0.401	0.0	737.3

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
1 year +10% A 15 minute summer	66.228	18.740	30 year +10% A 240 minute winter	32.989	13.122
1 year +10% A 15 minute winter	46.476	18.740	30 year +10% A 360 minute summer	36.732	9.452
1 year +10% A 30 minute summer	42.603	12.055	30 year +10% A 360 minute winter	23.877	9.452
1 year +10% A 30 minute winter	29.896	12.055	30 year +10% A 480 minute summer	28.116	7.430
1 year +10% A 60 minute summer	28.106	7.428	30 year +10% A 480 minute winter	18.679	7.430
1 year +10% A 60 minute winter	18.673	7.428	30 year +10% A 600 minute summer	22.468	6.146
1 year +10% A 120 minute summer	22.266	5.884	30 year +10% A 600 minute winter	15.351	6.146
1 year +10% A 120 minute winter	14.793	5.884	30 year +10% A 720 minute summer	19.604	5.254
1 year +10% A 180 minute summer	18.641	4.797	30 year +10% A 720 minute winter	13.175	5.254
1 year +10% A 180 minute winter	12.117	4.797	30 year +10% A 960 minute summer	15.547	4.094
1 year +10% A 240 minute summer	15.351	4.057	30 year +10% A 960 minute winter	10.298	4.094
1 year +10% A 240 minute winter	10.199	4.057	30 year +10% A 1440 minute summer	10.743	2.879
1 year +10% A 360 minute summer	12.102	3.114	30 year +10% A 1440 minute winter	7.220	2.879
1 year +10% A 360 minute winter	7.866	3.114	100 year +10% A 15 minute summer	404.817	114.549
1 year +10% A 480 minute summer	9.619	2.542	100 year +10% A 15 minute winter	284.082	114.549
1 year +10% A 480 minute winter	6.391	2.542	100 year +10% A 30 minute summer	266.100	75.297
1 year +10% A 600 minute summer	7.891	2.158	100 year +10% A 30 minute winter	186.737	75.297
1 year +10% A 600 minute winter	5.392	2.158	100 year +10% A 60 minute summer	178.187	47.090
1 year +10% A 720 minute summer	7.022	1.882	100 year +10% A 60 minute winter	118.383	47.090
1 year +10% A 720 minute winter	4.720	1.882	100 year +10% A 120 minute summer	106.741	28.209
1 year +10% A 960 minute summer	5.730	1.509	100 year +10% A 120 minute winter	70.916	28.209
1 year +10% A 960 minute winter	3.796	1.509	100 year +10% A 180 minute summer	80.234	20.647
1 year +10% A 1440 minute summer	4.107	1.101	100 year +10% A 180 minute winter	52.154	20.647
1 year +10% A 1440 minute winter	2.760	1.101	100 year +10% A 240 minute summer	62.193	16.436
30 year +10% A 15 minute summer	316.845	89.656	100 year +10% A 240 minute winter	41.320	16.436
30 year +10% A 15 minute winter	222.347	89.656	100 year +10% A 360 minute summer	45.802	11.786
30 year +10% A 30 minute summer	205.478	58.143	100 year +10% A 360 minute winter	29.773	11.786
30 year +10% A 30 minute winter	144.195	58.143	100 year +10% A 480 minute summer	34.982	9.245
30 year +10% A 60 minute summer	137.105	36.233	100 year +10% A 480 minute winter	23.241	9.245
30 year +10% A 60 minute winter	91.090	36.233	100 year +10% A 600 minute summer	27.907	7.633
30 year +10% A 120 minute summer	84.118	22.230	100 year +10% A 600 minute winter	19.068	7.633
30 year +10% A 120 minute winter	55.886	22.230	100 year +10% A 720 minute summer	24.313	6.516
30 year +10% A 180 minute summer	63.777	16.412	100 year +10% A 720 minute winter	16.340	6.516
30 year +10% A 180 minute winter	41.456	16.412	100 year +10% A 960 minute summer	19.222	5.062
30 year +10% A 240 minute summer	49.654	13.122	100 year +10% A 960 minute winter	12.733	5.062

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
100 year +10% A 1440 minute summer	13.191	3.535	100 year +40% CC 240 minute winter	57.848	23.010
100 year +10% A 1440 minute winter	8.865	3.535	100 year +40% CC 360 minute summer	64.123	16.501
100 year +40% CC 15 minute summer	566.744	160.369	100 year +40% CC 360 minute winter	41.682	16.501
100 year +40% CC 15 minute winter	397.715	160.369	100 year +40% CC 480 minute summer	48.975	12.943
100 year +40% CC 30 minute summer	372.539	105.416	100 year +40% CC 480 minute winter	32.538	12.943
100 year +40% CC 30 minute winter	261.431	105.416	100 year +40% CC 600 minute summer	39.070	10.687
100 year +40% CC 60 minute summer	249.462	65.926	100 year +40% CC 600 minute winter	26.695	10.687
100 year +40% CC 60 minute winter	165.737	65.926	100 year +40% CC 720 minute summer	34.038	9.122
100 year +40% CC 120 minute summer	149.438	39.492	100 year +40% CC 720 minute winter	22.875	9.122
100 year +40% CC 120 minute winter	99.283	39.492	100 year +40% CC 960 minute summer	26.911	7.086
100 year +40% CC 180 minute summer	112.328	28.906	100 year +40% CC 960 minute winter	17.826	7.086
100 year +40% CC 180 minute winter	73.016	28.906	100 year +40% CC 1440 minute summer	18.467	4.949
100 year +40% CC 240 minute summer	87.070	23.010	100 year +40% CC 1440 minute winter	12.411	4.949

Results for 1 year +10% A Critical Storm Duration. Lowest mass balance: 80.05%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1	11	69.053	0.028	0.3	0.0022	0.0000	OK
15 minute summer	1.000:50%	11	69.052	0.054	3.0	0.0000	0.0000	OK
15 minute summer	2	11	69.013	0.041	2.9	0.0032	0.0000	OK
15 minute summer	1.001:50%	11	68.958	0.059	5.9	0.1152	0.0000	OK
15 minute summer	3	12	68.889	0.062	5.8	0.0048	0.0000	OK
30 minute summer	4 RWH	20	68.857	0.062	6.1	0.2164	0.0000	OK
15 minute summer	7	14	68.420	0.088	5.8	0.0140	0.0000	OK
15 minute summer	8	15	67.256	0.056	5.6	0.0088	0.0000	OK
720 minute summer	SA1	720	66.288	-0.880	1.0	8.0562	0.0000	OK
15 minute summer	PATIO AREA	1	67.580	0.000	0.0	0.0000	0.0000	OK
30 minute summer	SWP 1	20	66.785	-0.699	0.7	0.0000	0.0000	OK
15 minute winter	GARDEN SLOT	12	67.591	0.011	0.2	0.0019	0.0000	OK
180 minute winter	SWP 2	128	66.752	-0.761	0.1	0.0000	0.0000	OK
15 minute summer	WEST SLOT	1	68.300	0.000	0.0	0.0000	0.0000	OK
15 minute summer	5.000:50%	10	66.423	0.008	0.9	0.0000	0.0000	OK
15 minute winter	SWP 3	13	63.832	-0.698	0.9	0.0000	0.0000	OK
15 minute summer	5	13	68.809	0.060	5.8	0.0170	0.0000	OK
30 minute summer	6	21	68.709	0.060	5.9	0.0168	0.0000	OK

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	1	1.000	1.000:50%	-0.3	-0.106	-0.015	0.0668	
15 minute summer	1	1.000	2	2.9	0.484	0.127	0.0805	
15 minute summer	2	1.001	1.001:50%	2.9	0.440	0.072	0.0803	
15 minute summer	2	1.001	3	5.8	0.675	0.145	0.1046	
15 minute summer	3	1.002	4 RWH	5.7	0.660	0.141	0.0462	
30 minute summer	4 RWH	1.003	5	6.0	0.683	0.149	0.0676	
15 minute summer	7	Flow through Pond	8	5.6	0.531	0.363	0.6320	
15 minute summer	8	4.000	SA1	4.7	0.824	0.265	0.0183	
15 minute summer	8	Infiltration		0.8				
15 minute summer	SA1	Depth/Flow		0.0				0.0
720 minute summer	SA1	Infiltration		0.0				
15 minute summer	PATIO AREA	2.000	SWP 1	0.0	0.000	0.000	0.0000	
60 minute summer	SWP 1	Pump	4 RWH	0.5				0.3
15 minute winter	GARDEN SLOT	3.000	SWP 2	0.2	0.421	0.025	0.0019	
15 minute summer	SWP 2	Pump	2	0.0				0.0
15 minute summer	WEST SLOT	5.000	5.000:50%	0.0	0.000	0.000	0.0002	
15 minute summer	WEST SLOT	5.000	SWP 3	0.9	3.137	0.012	0.0004	
30 minute summer	SWP 3	Pump	4 RWH	0.8				0.2
15 minute summer	5	1.004	6	5.9	0.705	0.149	0.1422	
30 minute summer	6	1.005	7	5.9	0.712	0.147	0.1814	

Results for 30 year +10% A Critical Storm Duration. Lowest mass balance: 80.05%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1	11	69.118	0.093	1.0	0.0073	0.0000	OK
15 minute summer	1.000:50%	11	69.118	0.119	14.4	0.0000	0.0000	OK
15 minute summer	2	11	69.069	0.097	13.9	0.0076	0.0000	OK
15 minute summer	1.001:50%	11	69.053	0.153	28.6	0.7810	0.0000	OK
15 minute summer	3	12	69.013	0.186	27.5	0.0145	0.0000	OK
15 minute summer	4 RWH	12	68.986	0.191	34.8	0.6624	0.0000	OK
15 minute summer	7	13	68.708	0.376	34.0	0.0598	0.0000	OK
15 minute summer	8	14	67.468	0.268	34.2	0.0426	0.0000	SURCHARGED
480 minute winter	SA1	488	66.852	-0.316	3.2	32.1430	0.0000	OK
15 minute summer	PATIO AREA	1	67.580	0.000	0.0	0.0000	0.0000	OK
15 minute summer	SWP 1	8	66.791	-0.693	3.6	0.0000	0.0000	OK
15 minute summer	GARDEN SLOT	10	67.606	0.026	1.1	0.0045	0.0000	OK
60 minute winter	SWP 2	31	66.814	-0.699	0.5	0.0000	0.0000	OK
15 minute summer	WEST SLOT	1	68.300	0.000	0.0	0.0000	0.0000	OK
15 minute summer	5.000:50%	10	66.433	0.018	4.5	0.0000	0.0000	OK
15 minute winter	SWP 3	7	63.837	-0.693	4.2	0.0000	0.0000	OK
15 minute summer	5	12	68.927	0.178	34.1	0.0504	0.0000	OK
15 minute summer	6	12	68.824	0.175	34.2	0.0494	0.0000	OK

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	1	1.000	1.000:50%	-1.0	-0.113	-0.044	0.2443	
15 minute summer	1	1.000	2	13.9	0.751	0.607	0.2505	
15 minute summer	2	1.001	1.001:50%	13.9	0.624	0.348	0.2770	
15 minute summer	2	1.001	3	27.5	0.873	0.690	0.3913	
15 minute summer	3	1.002	4 RWH	27.1	0.765	0.673	0.1876	
15 minute summer	4 RWH	1.003	5	34.1	0.988	0.854	0.2699	
15 minute summer	7	Flow through Pond	8	34.2	0.730	2.219	2.8001	
15 minute summer	8	4.000	SA1	32.5	1.844	1.827	0.0557	
15 minute summer	8	Infiltration		0.8				
15 minute summer	SA1	Depth/Flow		0.0				0.0
480 minute winter	SA1	Infiltration		0.1				
15 minute summer	PATIO AREA	2.000	SWP 1	0.0	0.000	0.000	0.0000	
15 minute summer	SWP 1	Pump	4 RWH	3.6				1.3
15 minute summer	GARDEN SLOT	3.000	SWP 2	1.1	0.677	0.136	0.0063	
30 minute summer	SWP 2	Pump	2	1.0				0.3
15 minute summer	WEST SLOT	5.000	5.000:50%	0.0	0.000	0.000	0.0006	
15 minute summer	WEST SLOT	5.000	SWP 3	4.5	4.976	0.061	0.0012	
15 minute summer	SWP 3	Pump	4 RWH	4.5				1.6
15 minute summer	5	1.004	6	34.2	1.044	0.857	0.5644	
15 minute summer	6	1.005	7	34.0	1.070	0.855	0.7526	

Results for 100 year +10% A Critical Storm Duration. Lowest mass balance: 80.05%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1	11	69.140	0.115	1.2	0.0090	0.0000	OK
15 minute summer	1.000:50%	11	69.141	0.142	18.4	0.0000	0.0000	OK
15 minute summer	2	12	69.114	0.142	18.7	0.0111	0.0000	OK
15 minute summer	1.001:50%	12	69.106	0.207	36.6	1.4277	0.0000	OK
15 minute summer	3	12	69.065	0.238	31.1	0.0186	0.0000	SURCHARGED
15 minute summer	4 RWH	12	69.032	0.237	40.1	0.8214	0.0000	SURCHARGED
15 minute summer	7	12	68.745	0.413	38.1	0.0657	0.0000	OK
15 minute summer	8	14	67.515	0.315	38.3	0.0502	0.0000	FLOOD RISK
600 minute winter	SA1	615	67.079	-0.089	3.4	41.8401	0.0000	OK
15 minute summer	PATIO AREA	1	67.580	0.000	0.0	0.0000	0.0000	OK
15 minute winter	SWP 1	7	66.789	-0.695	4.3	0.0000	0.0000	OK
15 minute summer	GARDEN SLOT	10	67.610	0.030	1.4	0.0051	0.0000	OK
60 minute winter	SWP 2	29	66.814	-0.699	0.7	0.0000	0.0000	OK
15 minute summer	WEST SLOT	1	68.300	0.000	0.0	0.0000	0.0000	OK
15 minute summer	5.000:50%	10	66.435	0.020	5.8	0.0000	0.0000	OK
15 minute summer	SWP 3	12	63.927	-0.603	5.8	0.0000	0.0000	OK
15 minute summer	5	12	68.969	0.220	39.5	0.0623	0.0000	OK
15 minute summer	6	12	68.873	0.224	39.0	0.0633	0.0000	OK

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	1	1.000	1.000:50%	-1.2	-0.123	-0.051	0.3101	
15 minute summer	1	1.000	2	17.7	0.777	0.769	0.3447	
15 minute summer	2	1.001	1.001:50%	18.0	0.637	0.451	0.3969	
15 minute summer	2	1.001	3	31.1	0.890	0.781	0.4784	
15 minute summer	3	1.002	4 RWH	30.9	0.781	0.765	0.2099	
15 minute summer	4 RWH	1.003	5	39.5	1.012	0.990	0.3070	
15 minute summer	7	Flow through Pond	8	38.3	0.742	2.486	3.1698	
15 minute summer	8	4.000	SA1	37.0	2.103	2.084	0.0557	
15 minute summer	8	Infiltration		0.8				
15 minute summer	SA1	Depth/Flow		0.0				0.0
600 minute winter	SA1	Infiltration		0.1				
15 minute summer	PATIO AREA	2.000	SWP 1	0.0	0.000	0.000	0.0000	
15 minute summer	SWP 1	Pump	4 RWH	4.6				1.7
15 minute summer	GARDEN SLOT	3.000	SWP 2	1.4	0.724	0.174	0.0075	
15 minute summer	SWP 2	Pump	2	1.3				0.3
15 minute summer	WEST SLOT	5.000	5.000:50%	0.0	0.000	0.000	0.0007	
15 minute summer	WEST SLOT	5.000	SWP 3	5.8	5.332	0.078	0.0014	
15 minute summer	SWP 3	Pump	4 RWH	5.0				2.1
15 minute summer	5	1.004	6	39.0	1.067	0.979	0.6697	
15 minute summer	6	1.005	7	38.1	1.088	0.959	0.8765	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 80.05%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1	12	69.226	0.201	1.8	0.0157	0.0000	OK
15 minute summer	1.000:50%	12	69.223	0.225	23.4	0.0000	0.0000	OK
15 minute summer	2	12	69.208	0.236	23.4	0.0184	0.0000	SURCHARGED
15 minute summer	1.001:50%	13	69.195	0.295	45.4	2.9016	0.0000	SURCHARGED
15 minute summer	3	13	69.140	0.313	33.0	0.0244	0.0000	SURCHARGED
15 minute summer	4 RWH	13	69.104	0.309	42.0	1.0688	0.0000	SURCHARGED
15 minute summer	7	13	68.756	0.424	39.2	0.0674	0.0000	OK
15 minute summer	8	14	67.528	0.328	39.2	0.0521	0.0000	FLOOD RISK
240 minute winter	SA1	244	67.312	0.144	10.2	51.3214	0.0000	OK
15 minute summer	PATIO AREA	1	67.580	0.000	0.0	0.0000	0.0000	OK
15 minute summer	SWP 1	12	66.896	-0.588	5.8	0.0000	0.0000	OK
15 minute summer	GARDEN SLOT	10	67.615	0.035	1.8	0.0056	0.0000	OK
15 minute winter	SWP 2	10	66.814	-0.699	1.7	0.0000	0.0000	OK
15 minute summer	WEST SLOT	1	68.300	0.000	0.0	0.0000	0.0000	OK
15 minute summer	5.000:50%	10	66.438	0.023	7.3	0.0000	0.0000	OK
15 minute summer	SWP 3	13	64.281	-0.249	7.3	0.0000	0.0000	OK
15 minute summer	5	13	69.034	0.285	40.3	0.0806	0.0000	SURCHARGED
15 minute summer	6	13	68.909	0.260	39.9	0.0737	0.0000	SURCHARGED

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	1	1.000	1.000:50%	-1.8	-0.137	-0.079	0.5113	
15 minute summer	1	1.000	2	21.6	0.796	0.939	0.5267	
15 minute summer	2	1.001	1.001:50%	20.6	0.645	0.516	0.4878	
15 minute summer	2	1.001	3	33.0	0.897	0.829	0.4878	
15 minute summer	3	1.002	4 RWH	32.0	0.812	0.792	0.2099	
15 minute summer	4 RWH	1.003	5	40.3	1.021	1.010	0.3079	
15 minute summer	7	Flow through Pond	8	39.2	0.745	2.544	3.2683	
15 minute summer	8	4.000	SA1	38.1	2.163	2.144	0.0557	
15 minute summer	8	Infiltration		0.8				
15 minute summer	SA1	Depth/Flow		0.0				0.0
240 minute winter	SA1	Infiltration		0.1				
15 minute summer	PATIO AREA	2.000	SWP 1	0.0	0.000	0.000	0.0000	
15 minute summer	SWP 1	Pump	4 RWH	5.0				2.1
15 minute summer	GARDEN SLOT	3.000	SWP 2	1.8	0.775	0.226	0.0091	
15 minute summer	SWP 2	Pump	2	1.8				0.5
15 minute summer	WEST SLOT	5.000	5.000:50%	0.0	0.000	0.000	0.0009	
15 minute summer	WEST SLOT	5.000	SWP 3	7.3	5.666	0.098	0.0017	
15 minute summer	SWP 3	Pump	4 RWH	5.0				2.3
15 minute summer	5	1.004	6	39.9	1.078	1.001	0.6722	
15 minute summer	6	1.005	7	39.2	1.058	0.986	0.8773	