

Simulation Settings

Rainfall Methodology	FEH-22	Skip Steady State	x	1 year (l/s)	42.2
Rainfall Events	Singular	Drain Down Time (mins)	1440	2 year (l/s)	42.4
Summer CV	1.000	Additional Storage (m³/ha)	0.0	30 year (l/s)	42.4
Winter CV	1.000	Starting Level (m)		100 year (l/s)	42.4
Analysis Speed	Detailed	Check Discharge Rate(s)	✓	Check Discharge Volume	x

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 %)
800	0	0	0

Pre-development Discharge Rate

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

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)	Invert Level (m)
S1	0.010	5.00	60.797	1350	347945.194	391628.292	1.659	59.138
S2	0.092	5.00	60.635	1350	347941.921	391610.063	1.621	59.014
S3	0.088	5.00	60.389	1800	347931.180	391583.485	1.641	58.748
S4	0.062	5.00	60.203	1500	347905.708	391593.748	1.645	58.558
S5	0.090	5.00	59.955	1350	347887.069	391642.825	1.253	58.702
S6	0.205	5.00	60.130	2400	347878.280	391604.799	2.042	58.088
S7	0.062	5.00	59.628	2100	347857.494	391553.515	1.678	57.950
S8	0.053	5.00	59.584	2100	347860.047	391547.707	1.650	57.934
S9	0.195	5.00	59.679	2100	347882.811	391538.561	1.806	57.873
S10	0.198	5.00	59.777	2100	347947.445	391512.593	2.080	57.697
S16	0.145	5.00	61.791	2100	348160.138	391490.862	3.658	58.133
S17	0.200	5.00	60.742	2100	348104.767	391513.234	2.758	57.984
S18	0.158	5.00	60.323	2100	348056.250	391532.836	2.470	57.853
S11	0.251	5.00	61.146	1500	348118.621	391574.685	2.732	58.414
S12	0.105	5.00	60.824	1500	348017.411	391615.435	1.675	59.149
S13	0.022	5.00	60.776	1500	348023.976	391609.685	1.801	58.975
S14	0.049	5.00	60.649	1500	348040.478	391606.148	2.012	58.637
S15			60.490	1800	348058.369	391598.944	2.238	58.252
S19	0.209	5.00	60.208	2100	347959.786	391571.810	2.208	58.000
S20	0.129	5.00	59.972	2100	348015.516	391549.294	2.123	57.849
S21			60.242	2700	348035.180	391541.349	2.446	57.796
S22			59.683		348029.837	391528.020	1.924	57.759
S23		5.00	59.683		348018.331	391499.471	2.000	57.683
S25	0.101	5.00	61.506	1200	348158.094	391472.702	1.425	60.081
S24	0.128	5.00	60.271	1200	348135.710	391410.594	1.599	58.672
S26			60.587	1500	348144.008	391433.619	2.286	58.301
S27	0.037	5.00	60.472	2100	348140.169	391435.162	2.482	57.990
S28	0.262	5.00	60.033	2100	348093.698	391453.833	2.168	57.865
S29	0.131	5.00	59.787	2100	348036.303	391476.892	2.076	57.711
S30	0.082	5.00	60.089	2700	348012.998	391486.256	2.441	57.648
S31			60.074	2700	347989.644	391495.638	2.489	57.585
S32			59.529	1350	347978.493	391468.039	2.423	57.106
S33			59.549	1350	347986.213	391464.920	2.493	57.056
Ex MH34			58.500	1350	347983.573	391437.196	1.540	56.960

Links (Input)

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
1.000	S1	S2	18.520	0.600	59.138	59.014	0.124	149.4	225	5.29	38.8
1.001	S2	S3	28.667	0.600	59.014	58.823	0.191	150.1	225	5.74	37.4
1.002	S3	S4	27.462	0.600	58.748	58.633	0.115	238.8	300	6.19	36.2
1.003	S4	S6	29.571	0.600	58.558	58.463	0.095	311.3	375	6.67	34.9
2.000	S5	S6	39.028	0.600	58.702	58.538	0.164	238.0	300	5.64	37.7
1.004	S6	S7	55.336	0.600	58.088	57.950	0.138	401.0	750	7.34	33.3
1.005	S7	S8	6.345	0.600	57.950	57.934	0.016	396.6	750	7.41	33.1
1.006	S8	S9	24.533	0.600	57.934	57.873	0.061	402.2	750	7.71	32.4
1.007	S9	S10	69.656	0.600	57.873	57.697	0.176	395.8	750	8.53	30.7
1.008	S10	S31	45.477	0.600	57.697	57.585	0.112	406.0	750	9.08	29.7
3.000	S16	S17	59.720	0.600	58.133	57.984	0.149	400.8	750	5.72	37.5
3.001	S17	S18	52.327	0.600	57.984	57.853	0.131	399.4	750	6.34	35.8
3.002	S18	S21	22.725	0.600	57.853	57.796	0.057	398.7	750	6.61	35.1
4.000	S11	S15	64.952	0.600	58.414	58.252	0.162	400.9	450	6.07	36.5
5.000	S12	S13	8.727	0.600	59.149	58.975	0.174	50.2	450	5.05	39.5

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
5.001	S13	S14	16.877	0.600	58.975	58.637	0.338	49.9	450	5.15	39.2
5.002	S14	S15	19.286	0.600	58.637	58.252	0.385	50.1	450	5.26	38.8
4.001	S15	S21	62.089	0.600	58.252	58.096	0.156	398.0	450	7.09	33.8
6.000	S19	S20	60.106	0.600	58.000	57.849	0.151	398.1	750	5.72	37.5
6.001	S20	S21	21.208	0.600	57.849	57.796	0.053	400.2	750	5.97	36.8
3.003	S21	S22	14.360	0.600	57.796	57.760	0.036	398.9	750	7.27	33.4
3.005	S23	S30	14.251	0.600	57.683	57.648	0.035	407.2	750	5.17	39.1
7.000	S25	S26	41.544	0.600	60.081	58.526	1.555	26.7	225	5.27	38.8
8.000	S24	S26	24.475	0.600	58.672	58.526	0.146	167.6	225	5.41	38.4
7.001	S26	S27	4.138	0.600	58.301	58.290	0.011	376.2	450	5.47	38.2
7.002	S27	S28	50.081	0.600	57.990	57.865	0.125	400.6	750	6.07	36.5
7.003	S28	S29	61.853	0.600	57.865	57.711	0.154	401.6	750	6.81	34.5
7.004	S29	S30	25.117	0.600	57.711	57.648	0.063	398.7	750	7.11	33.8
3.006	S30	S31	25.168	0.600	57.648	57.585	0.063	399.5	750	7.41	33.1
1.009	S31	S32	29.766	0.600	57.585	57.106	0.479	62.1	300	9.33	29.3
1.010	S32	S33	8.326	0.600	57.106	57.056	0.050	166.5	225	9.47	29.0
1.011	S33	Ex MH34	27.850	0.600	57.056	56.960	0.096	290.1	225	10.08	28.0

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	18.520	149.4	225	Circular	60.797	59.138	1.434	60.635	59.014	1.396
1.001	28.667	150.1	225	Circular	60.635	59.014	1.396	60.389	58.823	1.341
1.002	27.462	238.8	300	Circular	60.389	58.748	1.341	60.203	58.633	1.270
1.003	29.571	311.3	375	Circular	60.203	58.558	1.270	60.130	58.463	1.292
2.000	39.028	238.0	300	Circular	59.955	58.702	0.953	60.130	58.538	1.292
1.004	55.336	401.0	750	Circular	60.130	58.088	1.292	59.628	57.950	0.928
1.005	6.345	396.6	750	Circular	59.628	57.950	0.928	59.584	57.934	0.900
1.006	24.533	402.2	750	Circular	59.584	57.934	0.900	59.679	57.873	1.056
1.007	69.656	395.8	750	Circular	59.679	57.873	1.056	59.777	57.697	1.330
1.008	45.477	406.0	750	Circular	59.777	57.697	1.330	60.074	57.585	1.739
3.000	59.720	400.8	750	Circular	61.791	58.133	2.908	60.742	57.984	2.008
3.001	52.327	399.4	750	Circular	60.742	57.984	2.008	60.323	57.853	1.720
3.002	22.725	398.7	750	Circular	60.323	57.853	1.720	60.242	57.796	1.696
4.000	64.952	400.9	450	Circular	61.146	58.414	2.282	60.490	58.252	1.788

Flow+ v18.0 Copyright © 1988-2026 Causeway Technologies Ltd

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
5.000	8.727	50.2	450	Circular	60.824	59.149	1.225	60.776	58.975	1.351
5.001	16.877	49.9	450	Circular	60.776	58.975	1.351	60.649	58.637	1.562
5.002	19.286	50.1	450	Circular	60.649	58.637	1.562	60.490	58.252	1.788
4.001	62.089	398.0	450	Circular	60.490	58.252	1.788	60.242	58.096	1.696
6.000	60.106	398.1	750	Circular	60.208	58.000	1.458	59.972	57.849	1.373
6.001	21.208	400.2	750	Circular	59.972	57.849	1.373	60.242	57.796	1.696
3.003	14.360	398.9	750	Circular	60.242	57.796	1.696	59.683	57.760	1.173
3.005	14.251	407.2	750	Circular	59.683	57.683	1.250	60.089	57.648	1.691
7.000	41.544	26.7	225	Circular	61.506	60.081	1.200	60.587	58.526	1.836
8.000	24.475	167.6	225	Circular	60.271	58.672	1.374	60.587	58.526	1.836
7.001	4.138	376.2	450	Circular	60.587	58.301	1.836	60.472	58.290	1.732
7.002	50.081	400.6	750	Circular	60.472	57.990	1.732	60.033	57.865	1.418
7.003	61.853	401.6	750	Circular	60.033	57.865	1.418	59.787	57.711	1.326
7.004	25.117	398.7	750	Circular	59.787	57.711	1.326	60.089	57.648	1.691
3.006	25.168	399.5	750	Circular	60.089	57.648	1.691	60.074	57.585	1.739
1.009	29.766	62.1	300	Circular	60.074	57.585	2.189	59.529	57.106	2.123
1.010	8.326	166.5	225	Circular	59.529	57.106	2.198	59.549	57.056	2.268
1.011	27.850	290.1	225	Circular	59.549	57.056	2.268	58.500	56.960	1.315

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
5.000	S12	1500	Manhole	Adoptable	S13	1500	Manhole	Adoptable
5.001	S13	1500	Manhole	Adoptable	S14	1500	Manhole	Adoptable
5.002	S14	1500	Manhole	Adoptable	S15	1800	Manhole	Adoptable
4.001	S15	1800	Manhole	Adoptable	S21	2700	Manhole	Adoptable
6.000	S19	2100	Manhole	Adoptable	S20	2100	Manhole	Adoptable
6.001	S20	2100	Manhole	Adoptable	S21	2700	Manhole	Adoptable
3.003	S21	2700	Manhole	Adoptable	S22		Junction	
3.005	S23		Junction		S30	2700	Manhole	Adoptable
7.000	S25	1200	Manhole	Adoptable	S26	1500	Manhole	Adoptable
8.000	S24	1200	Manhole	Adoptable	S26	1500	Manhole	Adoptable
7.001	S26	1500	Manhole	Adoptable	S27	2100	Manhole	Adoptable
7.002	S27	2100	Manhole	Adoptable	S28	2100	Manhole	Adoptable
7.003	S28	2100	Manhole	Adoptable	S29	2100	Manhole	Adoptable
7.004	S29	2100	Manhole	Adoptable	S30	2700	Manhole	Adoptable
3.006	S30	2700	Manhole	Adoptable	S31	2700	Manhole	Adoptable
1.009	S31	2700	Manhole	Adoptable	S32	1350	Manhole	Adoptable
1.010	S32	1350	Manhole	Adoptable	S33	1350	Manhole	Adoptable
1.011	S33	1350	Manhole	Adoptable	Ex MH34	1350	Manhole	Adoptable

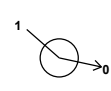
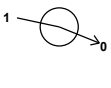
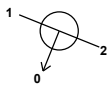
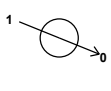
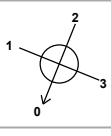
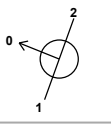
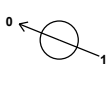
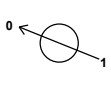
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
S1	347945.194	391628.292	60.797	1.659	1350					
							0	1.000	59.138	225
S2	347941.921	391610.063	60.635	1.621	1350					
							1	1.000	59.014	225
							0	1.001	59.014	225

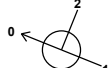
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
S3	347931.180	391583.485	60.389	1.641	1800		1	1.001	58.823	225
						0	1.002	58.748	300	
S4	347905.708	391593.748	60.203	1.645	1500		1	1.002	58.633	300
						0	1.003	58.558	375	
S5	347887.069	391642.825	59.955	1.253	1350		0	2.000	58.702	300
S6	347878.280	391604.799	60.130	2.042	2400		1	2.000	58.538	300
							2	1.003	58.463	375
							0	1.004	58.088	750
S7	347857.494	391553.515	59.628	1.678	2100		1	1.004	57.950	750
							0	1.005	57.950	750
S8	347860.047	391547.707	59.584	1.650	2100		1	1.005	57.934	750
							0	1.006	57.934	750
S9	347882.811	391538.561	59.679	1.806	2100		1	1.006	57.873	750
							0	1.007	57.873	750
S10	347947.445	391512.593	59.777	2.080	2100		1	1.007	57.697	750
							0	1.008	57.697	750
S16	348160.138	391490.862	61.791	3.658	2100		0	3.000	58.133	750
S17	348104.767	391513.234	60.742	2.758	2100		1	3.000	57.984	750
							0	3.001	57.984	750
S18	348056.250	391532.836	60.323	2.470	2100		1	3.001	57.853	750
							0	3.002	57.853	750
S11	348118.621	391574.685	61.146	2.732	1500		0	4.000	58.414	450
							0	5.000	59.149	450
S12	348017.411	391615.435	60.824	1.675	1500		0	5.000	59.149	450

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
S13	348023.976	391609.685	60.776	1.801	1500		1	5.000	58.975	450
							0	5.001	58.975	450
S14	348040.478	391606.148	60.649	2.012	1500		1	5.001	58.637	450
							0	5.002	58.637	450
S15	348058.369	391598.944	60.490	2.238	1800		1	5.002	58.252	450
							2	4.000	58.252	450
							0	4.001	58.252	450
S19	347959.786	391571.810	60.208	2.208	2100					
							0	6.000	58.000	750
S20	348015.516	391549.294	59.972	2.123	2100		1	6.000	57.849	750
							0	6.001	57.849	750
S21	348035.180	391541.349	60.242	2.446	2700		1	6.001	57.796	750
							2	4.001	58.096	450
							3	3.002	57.796	750
							0	3.003	57.796	750
S22	348029.837	391528.020	59.683	1.924			1	3.003	57.760	750
S23	348018.331	391499.471	59.683	2.000						
							0	3.005	57.683	750
S25	348158.094	391472.702	61.506	1.425	1200					
							0	7.000	60.081	225
S24	348135.710	391410.594	60.271	1.599	1200					
							0	8.000	58.672	225
S26	348144.008	391433.619	60.587	2.286	1500		1	8.000	58.526	225
							2	7.000	58.526	225
							0	7.001	58.301	450
S27	348140.169	391435.162	60.472	2.482	2100		1	7.001	58.290	450
							0	7.002	57.990	750
S28	348093.698	391453.833	60.033	2.168	2100		1	7.002	57.865	750
							0	7.003	57.865	750

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
S29	348036.303	391476.892	59.787	2.076	2100		1	7.003	57.711	750
						0	7.004	57.711	750	
S30	348012.998	391486.256	60.089	2.441	2700		1	7.004	57.648	750
							2	3.005	57.648	750
							0	3.006	57.648	750
S31	347989.644	391495.638	60.074	2.489	2700		1	3.006	57.585	750
							2	1.008	57.585	750
							0	1.009	57.585	300
S32	347978.493	391468.039	59.529	2.423	1350		1	1.009	57.106	300
							0	1.010	57.106	225
S33	347986.213	391464.920	59.549	2.493	1350		1	1.010	57.056	225
							0	1.011	57.056	225
Ex MH34	347983.573	391437.196	58.500	1.540	1350		1	1.011	56.960	225

Node S31 Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	x	Sump Available	✓
Invert Level (m)	57.585	Product Number	CTL-SHE-0263-4240-1900-4240
Design Depth (m)	1.900	Min Outlet Diameter (m)	0.300
Design Flow (l/s)	42.4	Min Node Diameter (mm)	2400

Node S23 Flow through Pond Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Main Channel Length (m)	30.425
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	57.683	Main Channel Slope (1:X)	400.0
Safety Factor	2.0	Time to half empty (mins)	340	Main Channel n	0.035

Inlets
S22

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	355.7	0.0	0.600	511.8	0.0	1.200	688.8	0.0	1.800	886.1	0.0
0.100	379.9	0.0	0.700	539.9	0.0	1.300	720.3	0.0	1.900	921.0	0.0
0.200	405.2	0.0	0.800	568.6	0.0	1.400	752.3	0.0	2.000	956.4	0.0
0.300	431.0	0.0	0.900	597.8	0.0	1.500	784.9	0.0			
0.400	457.4	0.0	1.000	627.6	0.0	1.600	818.1	0.0			
0.500	484.3	0.0	1.100	657.9	0.0	1.700	851.8	0.0			

Results for 800 year Critical Storm Duration. Lowest mass balance: 99.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1	11	59.912	0.774	8.3	1.1074	0.0000	SURCHARGED
15 minute summer	S2	11	59.911	0.897	64.5	1.2836	0.0000	SURCHARGED
240 minute winter	S3	224	59.585	0.837	22.6	2.1303	0.0000	SURCHARGED
240 minute winter	S4	224	59.584	1.026	30.0	1.8138	0.0000	SURCHARGED
240 minute winter	S5	232	59.584	0.882	10.7	1.2623	0.0000	SURCHARGED
240 minute winter	S6	224	59.584	1.496	64.4	6.7684	0.0000	SURCHARGED
240 minute winter	S7	232	59.584	1.634	60.9	5.6602	0.0000	FLOOD RISK
240 minute winter	S8	224	59.584	1.650	65.2	5.7156	11.3135	FLOOD
240 minute winter	S9	228	59.584	1.711	84.9	5.9282	0.0000	FLOOD RISK
240 minute winter	S10	228	59.585	1.888	105.7	6.5417	0.0000	FLOOD RISK
240 minute winter	S16	228	59.588	1.455	17.3	5.0388	0.0000	SURCHARGED
240 minute winter	S17	228	59.587	1.603	38.7	5.5542	0.0000	SURCHARGED
240 minute winter	S18	228	59.587	1.734	55.7	6.0082	0.0000	SURCHARGED
240 minute winter	S11	228	59.588	1.174	29.9	2.0746	0.0000	SURCHARGED
240 minute winter	S12	228	59.588	0.439	12.5	0.7757	0.0000	OK
240 minute winter	S13	228	59.588	0.613	15.1	1.0831	0.0000	SURCHARGED
240 minute winter	S14	228	59.588	0.951	20.9	1.6803	0.0000	SURCHARGED
240 minute winter	S15	228	59.588	1.336	46.9	3.3998	0.0000	SURCHARGED
240 minute winter	S19	228	59.588	1.588	24.9	5.4992	0.0000	SURCHARGED
240 minute winter	S20	228	59.588	1.739	38.8	6.0224	0.0000	SURCHARGED
240 minute winter	S21	228	59.588	1.792	133.4	10.2583	0.0000	SURCHARGED
240 minute winter	S22	228	59.588	1.828	132.5	0.0000	0.0000	OK
240 minute winter	S23	228	59.587	1.904	141.1	0.0000	0.0000	FLOOD RISK
15 minute summer	S25	10	60.222	0.141	68.3	0.1590	0.0000	OK
240 minute winter	S24	228	59.588	0.916	15.3	1.0359	0.0000	SURCHARGED
240 minute winter	S26	228	59.587	1.286	27.3	2.2730	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	S1	1.000	S2	14.1	0.477	0.331	0.7366	
15 minute summer	S2	1.001	S3	62.7	1.577	1.481	1.1401	
15 minute summer	S3	1.002	S4	118.6	1.684	1.656	1.9339	
15 minute summer	S4	1.003	S6	158.7	1.474	1.407	3.2616	
15 minute summer	S5	2.000	S6	59.7	1.171	0.832	2.4624	
15 minute summer	S6	1.004	S7	321.1	1.059	0.523	24.3545	
15 minute summer	S7	1.005	S8	325.3	0.984	0.526	2.7926	
15 minute summer	S8	1.006	S9	336.7	1.028	0.549	10.7975	
30 minute summer	S9	1.007	S10	419.2	0.953	0.678	30.6570	
30 minute summer	S10	1.008	S31	532.3	1.210	0.872	20.0154	
15 minute summer	S16	3.000	S17	85.4	0.677	0.139	26.0587	
15 minute summer	S17	3.001	S18	168.4	0.743	0.274	23.0302	
15 minute summer	S18	3.002	S21	248.5	0.738	0.403	10.0017	
15 minute summer	S11	4.000	S15	175.7	1.109	1.095	10.2912	
15 minute summer	S12	5.000	S13	71.2	1.792	0.156	0.3649	
15 minute summer	S13	5.001	S14	86.2	1.855	0.188	1.2923	
15 minute summer	S14	5.002	S15	113.5	1.250	0.248	2.6482	
15 minute summer	S15	4.001	S21	267.1	1.715	1.658	9.8376	
15 minute summer	S19	6.000	S20	127.5	0.643	0.207	26.4539	
15 minute summer	S20	6.001	S21	198.1	0.584	0.322	9.3341	
15 minute summer	S21	3.003	S22	700.9	1.967	1.138	6.3201	
15 minute summer	S22	Flow through Pond	S23	-464.8	0.160	-0.010	509.6441	
30 minute summer	S23	3.005	S30	-831.1	-1.889	-1.363	6.2722	
15 minute summer	S25	7.000	S26	67.6	2.669	0.669	1.0522	
15 minute summer	S24	8.000	S26	85.6	2.153	2.139	0.9636	
15 minute summer	S26	7.001	S27	152.7	1.342	0.921	0.6556	

Results for 800 year Critical Storm Duration. Lowest mass balance: 99.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S27	228	59.587	1.597	29.1	5.5331	0.0000	SURCHARGED
240 minute winter	S28	228	59.587	1.722	58.3	5.9658	0.0000	SURCHARGED
240 minute winter	S29	228	59.587	1.876	72.4	6.4992	0.0000	FLOOD RISK
240 minute winter	S30	228	59.587	1.939	143.6	11.1037	0.0000	SURCHARGED
240 minute winter	S31	228	59.586	2.001	104.1	11.4598	0.0000	SURCHARGED
600 minute summer	S32	1035	57.431	0.325	42.3	0.4658	0.0000	SURCHARGED
600 minute summer	S33	1035	57.345	0.289	42.3	0.4131	0.0000	SURCHARGED
60 minute summer	Ex MH34	481	57.132	0.172	42.3	0.0000	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	S27	7.002	S28	161.2	0.759	0.262	22.0417	
15 minute summer	S28	7.003	S29	294.3	1.006	0.479	27.2228	
15 minute summer	S29	7.004	S30	328.9	0.940	0.534	11.0545	
30 minute summer	S30	3.006	S31	-477.2	-1.084	-0.775	11.0770	
120 minute summer	S31	1.009	S32	42.3	0.982	0.300	1.4029	
60 minute winter	S32	1.010	S33	42.3	1.065	1.054	0.3311	
60 minute summer	S33	1.011	Ex MH34	42.3	1.097	1.397	1.0083	1512.7