



Design Settings

Rainfall Methodology	FEH-22	Minimum Velocity (m/s)	1.00
Return Period (years)	2	Connection Type	Level Soffits
Additional Flow (%)	0	Minimum Backdrop Height (m)	0.200
CV	0.750	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)	Add Inflow (l/s)	Cover Level (m)	Node Type	Manhole Type	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)	Notes
EX GP MH3				23.000	Manhole	1 STANDARD	1500	344810.044	385165.017	2.500	Auto-design is o
CP5	0.068	5.00		23.400	Manhole	1 STANDARD	1500	344773.135	385177.470	2.540	Auto-design is o
CP4				22.946	Manhole	1 STANDARD	1500	344785.382	385202.021	1.996	Auto-design is o
US POND1	0.042			24.420	Manhole	1 STANDARD	1200	344600.897	385307.729	0.713	Auto-design is o
DS POND1		5.00		24.340	Manhole	1 STANDARD	1200	344621.930	385278.481	0.750	Auto-design is o
dummy	0.196	5.00		24.420	Manhole	1 STANDARD	1200	344599.215	385311.434	0.620	Auto-design is o
US POND2	0.462			24.249	Manhole	1 STANDARD	1200	344613.433	385262.295	0.750	Auto-design is o
DS POND2		5.00		24.157	Manhole	1 STANDARD	1200	344629.821	385240.068	0.750	Auto-design is o
US POND3	0.201			24.072	Manhole	1 STANDARD	1200	344641.621	385227.789	0.750	Auto-design is o
DS POND3		5.00		23.931	Manhole	1 STANDARD	1200	344683.143	385219.365	0.750	Auto-design is o
US POND4	0.027			23.803	Manhole	1 STANDARD	1200	344692.644	385209.979	0.689	Auto-design is o
DS POND4		5.00		23.803	Manhole	1 STANDARD	1200	344707.348	385198.925	0.750	Auto-design is o
US POND5	0.042			23.723	Manhole	1 STANDARD	1200	344720.030	385208.748	0.750	Auto-design is o
DS POND5		5.00		23.653	Manhole	1 STANDARD	1200	344738.732	385199.602	0.750	Auto-design is o
US POND6	0.050			23.611	Manhole	1 STANDARD	1200	344741.340	385191.444	2.150	Auto-design is o
DS POND6		5.00		23.532	Manhole	1 STANDARD	1200	344762.315	385181.012	2.150	Auto-design is o
US POND7	0.148			22.940	Manhole	1 STANDARD	1200	344727.313	385325.624	1.350	Auto-design is o
DS POND7		5.00		22.541	Manhole	1 STANDARD	1500	344830.975	385265.521	1.350	Auto-design is o
Compound		5.00	2.0	24.000	Manhole	Adoptable	1200	344679.269	385193.022	0.650	Auto-design is o
P1	0.742	5.00		22.900	Manhole	Adoptable	1200	344722.580	385317.812	0.955	Auto-design is o
P2	0.127	5.00		23.300	Manhole	Adoptable	1200	344703.144	385315.641	0.955	Auto-design is o
G1	0.175	5.00		23.500	Junction			344750.922	385170.197	2.000	Auto-design is o
CP6				23.150	Manhole	Adoptable	1500	344799.918	385161.053	2.470	Auto-design is o
CP1				22.960	Manhole	Adoptable	1200	344711.335	385329.316	0.755	Auto-design is o

Simulation Settings

Rainfall Methodology	FEH-22	Analysis Speed	Detailed	Starting Level (m)
Rainfall Events	Singular	Skip Steady State	x	Check Discharge Rate(s)
Summer CV	0.750	Drain Down Time (mins)	240	Check Discharge Volume
Winter CV	0.840	Additional Storage (m³/ha)	20.0	

Storm Durations

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

Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
2	0	0	0
30	0	0	0
100	45	0	0

Node CP6 Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	x	Sump Available	✓
Invert Level (m)	20.680	Product Number	CTL-SHE-0137-1000-1561-1000
Design Depth (m)	1.561	Min Outlet Diameter (m)	0.150
Design Flow (l/s)	10.0	Min Node Diameter (mm)	1500

Node P2 Online Orifice Control

Flap Valve	x	Replaces Downstream Link	x	Diameter (m)	0.020
Downstream Link	8.000	Invert Level (m)	22.345	Discharge Coefficient	0.600

Node P1 Online Orifice Control

Flap Valve	x	Replaces Downstream Link	x	Diameter (m)	0.060
Downstream Link	9.000	Invert Level (m)	21.945	Discharge Coefficient	0.600

Node DS POND7 Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Downstream Link	1.000_1	Sump Available	✓
Replaces Downstream Link	x	Product Number	CTL-SHE-0094-4000-1050-4000
Invert Level (m)	21.191	Min Outlet Diameter (m)	0.150
Design Depth (m)	1.050	Min Node Diameter (mm)	1200
Design Flow (l/s)	4.0		

Node DS POND1 Online Orifice Control

Flap Valve	x	Invert Level (m)	23.590	Diameter (m)	0.050
Downstream Link	3.000_1	Design Depth (m)	0.400	Discharge Coefficient	0.600
Replaces Downstream Link	x	Design Flow (l/s)	35.0		

Node DS POND2 Online Orifice Control

Flap Valve	x	Replaces Downstream Link	x	Diameter (m)	0.085
Downstream Link	4.000	Invert Level (m)	23.407	Discharge Coefficient	0.600

Node DS POND3 Online Orifice Control

Flap Valve	x	Replaces Downstream Link	x	Diameter (m)	0.075
Downstream Link	5.000	Invert Level (m)	23.181	Discharge Coefficient	0.600

Node DS POND4 Online Orifice Control

Flap Valve	x	Replaces Downstream Link	x	Diameter (m)	0.078
Downstream Link	5.000_1	Invert Level (m)	23.053	Discharge Coefficient	0.600

Node DS POND5 Online Orifice Control

Flap Valve	x	Replaces Downstream Link	x	Diameter (m)	0.085
Downstream Link	7.000	Invert Level (m)	22.903	Discharge Coefficient	0.600

Node DS POND6 Online Orifice Control

Flap Valve	x	Replaces Downstream Link	x	Diameter (m)	0.050
Downstream Link	2.000	Invert Level (m)	21.382	Discharge Coefficient	0.600

Node G1 Online Orifice Control

Flap Valve	x	Replaces Downstream Link	x	Diameter (m)	0.040
Downstream Link	2.000_1	Invert Level (m)	21.500	Discharge Coefficient	0.600

Node DS POND1 Flow through Pond Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Main Channel Length (m)	35.000
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	23.590	Main Channel Slope (1:X)	300.0
Safety Factor	2.0	Time to half empty (mins)		Main Channel n	0.070

Inlets

US POND1

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	228.4	0.0	0.750	424.2	0.0

Node DS POND2 Flow through Pond Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Main Channel Length (m)	27.679
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	23.407	Main Channel Slope (1:X)	300.0
Safety Factor	2.0	Time to half empty (mins)		Main Channel n	0.070

Inlets

US POND2

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	434.6	0.0	0.750	656.4	0.0

Node DS POND3 Flow through Pond Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Main Channel Length (m)	42.268
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	23.181	Main Channel Slope (1:X)	300.0
Safety Factor	2.0	Time to half empty (mins)		Main Channel n	0.070

Inlets

US POND3

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	775.3	0.0	0.750	1073.3	0.0

Node DS POND4 Flow through Pond Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Main Channel Length (m)	18.396
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	23.053	Main Channel Slope (1:X)	300.0
Safety Factor	2.0	Time to half empty (mins)		Main Channel n	0.070

Inlets

US POND4

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	132.9	0.0	0.750	265.0	0.0

Node DS POND5 Flow through Pond Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Main Channel Length (m)	21.121
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	22.903	Main Channel Slope (1:X)	300.0
Safety Factor	2.0	Time to half empty (mins)		Main Channel n	0.070

Inlets

US POND5

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	46.6	0.0	0.750	169.4	0.0

Node DS POND6 Flow through Pond Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Main Channel Length (m)	23.574
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	21.382	Main Channel Slope (1:X)	300.0
Safety Factor	2.0	Time to half empty (mins)		Main Channel n	0.070

Inlets

US POND6

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	228.0	0.0	1.201	0.0	0.0	2.150	171.2	0.0
1.200	228.0	0.0	1.202	17.7	0.0			

Node DS POND7 Flow through Pond Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Main Channel Length (m)	119.607
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	21.191	Main Channel Slope (1:X)	300.0
Safety Factor	2.0	Time to half empty (mins)		Main Channel n	0.070

Inlets

US POND7

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	526.5	0.0	1.350	1483.5	0.0

Node P1 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	22.545	Slope (1:X)	300.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)		Depth (m)	0.200
Safety Factor	2.0	Width (m)	106.000	Inf Depth (m)	
Porosity	0.30	Length (m)	70.000		

Node P2 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	22.945	Slope (1:X)	300.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)		Depth (m)	0.250
Safety Factor	2.0	Width (m)	31.000	Inf Depth (m)	
Porosity	0.30	Length (m)	41.000		

Node G1 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	21.500
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	236

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	110.0	0.0	0.800	110.0	0.0	0.801	0.0	0.0

Results for 2 year Critical Storm Duration. Lowest mass balance: 98.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	EX GP MH3	1500	20.564	0.064	8.6	0.0000	0.0000	OK
15 minute winter	CP5	11	20.922	0.062	9.6	0.1432	0.0000	OK
600 minute winter	CP4	600	20.998	0.048	4.0	0.0840	0.0000	OK
15 minute winter	US POND1	12	23.758	0.051	32.2	0.1181	0.0000	OK
240 minute winter	DS POND1	180	23.752	0.162	6.8	0.1830	0.0000	OK
15 minute summer	dummy	9	23.918	0.118	25.1	0.8780	0.0000	OK
360 minute winter	US POND2	264	23.573	0.074	11.8	0.9925	0.0000	OK
360 minute winter	DS POND2	264	23.573	0.166	9.4	0.1874	0.0000	OK
960 minute winter	US POND3	930	23.365	0.043	6.3	0.2805	0.0000	OK
960 minute winter	DS POND3	930	23.365	0.184	6.3	0.2084	0.0000	OK
960 minute winter	US POND4	975	23.284	0.170	5.7	0.3228	0.0000	OK
960 minute winter	DS POND4	975	23.284	0.231	5.4	0.2611	0.0000	OK
1440 minute winter	US POND5	1290	23.087	0.114	5.4	0.2581	0.0000	OK
1440 minute winter	DS POND5	1290	23.087	0.184	5.4	0.2079	0.0000	SURCHARGED
4320 minute winter	US POND6	3300	22.119	0.659	5.2	1.0538	0.0000	OK
4320 minute winter	DS POND6	3300	22.120	0.738	4.6	0.8342	0.0000	SURCHARGED
30 minute winter	US POND7	25	21.635	0.046	21.7	0.1521	0.0000	OK
720 minute winter	DS POND7	690	21.563	0.372	8.4	0.6569	0.0000	OK
60 minute winter	Compound	2	23.405	0.055	2.0	0.0621	0.0000	OK
180 minute winter	P1	140	22.656	0.711	25.5	62.5077	0.0000	FLOOD RISK
360 minute winter	P2	272	23.032	0.687	2.8	13.1817	0.0000	FLOOD RISK
360 minute winter	G1	256	21.680	0.180	3.8	19.1135	0.0000	SURCHARGED
2160 minute winter	CP6	1500	20.917	0.237	8.6	0.4183	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 winter	CP5	1.002_2	CP6	9.3	0.481	0.061	1.1150	
600 minute winter	CP4	1.002_1	CP5	4.0	0.432	0.035	0.2594	
15 minute winter	US POND1	Flow through Pond	DS POND1	33.2	0.105	0.011	14.0350	
240 minute winter	DS POND1	3.000_1	US POND2	1.9	0.616	0.026	0.1760	
15 minute summer	dummy	3.000	US POND1	25.6	2.121	0.328	0.0519	
360 minute winter	US POND2	Flow through Pond	DS POND2	9.4	0.024	0.001	54.4751	
360 minute winter	DS POND2	4.000	US POND3	4.8	1.174	0.111	0.0584	
960 minute winter	US POND3	Flow through Pond	DS POND3	6.3	0.009	0.001	91.7467	
960 minute winter	DS POND3	5.000	US POND4	3.4	0.393	0.044	0.4118	
960 minute winter	US POND4	Flow through Pond	DS POND4	5.4	0.024	0.002	30.2897	
960 minute winter	DS POND4	5.000_1	US POND5	5.3	0.675	0.080	0.3683	
1440 minute winter	US POND5	Flow through Pond	DS POND5	5.4	0.029	0.004	8.8783	
1440 minute winter	DS POND5	7.000	US POND6	5.4	0.906	0.285	0.1017	
4320 minute winter	US POND6	Flow through Pond	DS POND6	4.6	0.018	0.001	159.1903	
4320 minute winter	DS POND6	2.000	CP5	4.4	1.110	0.159	0.0497	
30 minute winter	US POND7	Flow through Pond	DS POND7	16.0	0.092	0.002	54.5406	
720 minute winter	DS POND7	1.000_1	CP4	4.0	0.487	0.036	0.6370	
60 minute winter	Compound	7.001	US POND4	2.3	1.163	0.121	0.1536	
180 minute winter	P1	9.000	US POND7	6.1	0.941	0.315	0.0797	
360 minute winter	P2	8.000	CP1	0.7	0.488	0.038	0.0196	
360 minute winter	G1	2.000_1	CP5	1.3	0.820	0.047	0.0265	
2160 minute winter	CP6	2.001	EX GP MH3	8.6	1.160	0.375	0.0807	801.9

Results for 2 year Critical Storm Duration. Lowest mass balance: 98.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	CP1	272	22.225	0.020	0.7	0.0224	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)
360 minute winter	CP1	11.001	US POND7	0.7	0.501	0.037	0.0442	

Results for 30 year Critical Storm Duration. Lowest mass balance: 98.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	EX GP MH3	2820	20.568	0.068	9.7	0.0000	0.0000	OK
4320 minute winter	CP5	2820	21.063	0.203	9.8	0.4664	0.0000	OK
4320 minute winter	CP4	2820	21.063	0.113	4.0	0.2001	0.0000	OK
180 minute winter	US POND1	176	23.858	0.151	16.3	0.3488	0.0000	OK
180 minute winter	DS POND1	172	23.859	0.269	12.6	0.3040	0.0000	OK
15 minute winter	dummy	10	23.993	0.193	60.6	1.4405	0.0000	OK
240 minute winter	US POND2	204	23.678	0.179	27.5	2.4078	0.0000	OK
240 minute winter	DS POND2	204	23.678	0.271	16.2	0.3064	0.0000	SURCHARGED
1440 minute winter	US POND3	1380	23.468	0.147	8.3	0.9508	0.0000	OK
1440 minute winter	DS POND3	1380	23.469	0.288	6.8	0.3253	0.0000	OK
1440 minute winter	US POND4	1440	23.351	0.237	6.2	0.4508	0.0000	OK
1440 minute winter	DS POND4	1440	23.351	0.298	6.1	0.3373	0.0000	OK
1440 minute winter	US POND5	1410	23.125	0.152	6.1	0.3448	0.0000	OK
1440 minute winter	DS POND5	1410	23.125	0.222	6.1	0.2513	0.0000	SURCHARGED
2880 minute winter	US POND6	3120	22.425	0.965	6.2	1.5434	0.0000	OK
2880 minute winter	DS POND6	3120	22.426	1.044	5.5	1.1803	0.0000	SURCHARGED
1440 minute winter	US POND7	1350	21.740	0.151	8.8	0.5018	0.0000	OK
1440 minute winter	DS POND7	1350	21.741	0.550	8.7	0.9714	0.0000	SURCHARGED
120 minute winter	Compound	2	23.405	0.055	2.0	0.0621	0.0000	OK
180 minute winter	P1	176	22.735	0.790	50.6	160.2050	0.0000	FLOOD RISK
240 minute winter	P2	236	23.088	0.743	7.0	31.1247	0.0000	FLOOD RISK
180 minute winter	G1	172	21.867	0.367	11.9	38.9908	0.0000	SURCHARGED
4320 minute winter	CP6	2820	21.062	0.382	9.7	0.6757	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)
4320 minute winter	CP5	1.002_2	CP6	9.7	0.224	0.064	2.6726	
4320 minute winter	CP4	1.002_1	CP5	4.0	0.400	0.035	1.2234	
180 minute winter	US POND1	Flow through Pond	DS POND1	12.6	0.044	0.004	54.0963	
180 minute winter	DS POND1	3.000_1	US POND2	2.3	0.482	0.031	0.6349	
15 minute winter	dummy	3.000	US POND1	59.6	2.387	0.762	0.1002	
240 minute winter	US POND2	Flow through Pond	DS POND2	16.2	0.034	0.002	105.5786	
240 minute winter	DS POND2	4.000	US POND3	6.9	1.270	0.157	0.1172	
1440 minute winter	US POND3	Flow through Pond	DS POND3	6.8	0.010	0.001	178.6456	
1440 minute winter	DS POND3	5.000	US POND4	4.1	0.345	0.052	0.6653	
1440 minute winter	US POND4	Flow through Pond	DS POND4	6.1	0.012	0.002	42.0289	
1440 minute winter	DS POND4	5.000_1	US POND5	6.0	0.686	0.090	0.5502	
1440 minute winter	US POND5	Flow through Pond	DS POND5	6.1	0.029	0.004	11.7221	
1440 minute winter	DS POND5	7.000	US POND6	6.1	0.935	0.322	0.1111	
2880 minute winter	US POND6	Flow through Pond	DS POND6	5.5	0.018	0.001	228.9721	
2880 minute winter	DS POND6	2.000	CP5	5.2	1.166	0.191	0.0566	
1440 minute winter	US POND7	Flow through Pond	DS POND7	8.7	0.043	0.001	242.3465	
1440 minute winter	DS POND7	1.000_1	CP4	4.0	0.487	0.036	0.9281	
120 minute winter	Compound	7.001	US POND4	2.1	1.163	0.111	0.2030	
180 minute winter	P1	9.000	US POND7	6.4	0.955	0.333	0.0830	
240 minute winter	P2	8.000	CP1	0.7	0.493	0.040	0.0202	
180 minute winter	G1	2.000_1	CP5	1.9	0.918	0.069	0.0348	
4320 minute winter	CP6	2.001	EX GP MH3	9.7	1.197	0.426	0.0889	1818.5

Results for 30 year Critical Storm Duration. Lowest mass balance: 98.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	CP1	236	22.225	0.020	0.7	0.0228	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)
240 minute winter	CP1	11.001	US POND7	0.7	0.507	0.038	0.0455	

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 98.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	EX GP MH3	34	20.569	0.069	10.0	0.0000	0.0000	OK
2880 minute winter	CP5	2820	22.003	1.143	10.3	2.6270	0.0000	SURCHARGED
2880 minute winter	CP4	2820	22.003	1.053	4.0	1.8602	0.0000	SURCHARGED
360 minute winter	US POND1	344	24.037	0.331	30.5	0.7632	0.0000	OK
360 minute winter	DS POND1	344	24.038	0.448	20.8	0.5061	0.0000	SURCHARGED
15 minute winter	dummy	11	24.296	0.496	109.0	3.6994	0.0000	FLOOD RISK
240 minute winter	US POND2	228	23.851	0.352	47.6	4.7342	0.0000	OK
240 minute winter	DS POND2	228	23.851	0.444	27.0	0.5019	0.0000	SURCHARGED
2160 minute winter	US POND3	2040	23.620	0.298	10.8	1.9335	0.0000	OK
2160 minute winter	DS POND3	2040	23.620	0.439	7.5	0.4966	0.0000	SURCHARGED
4320 minute winter	US POND4	3780	23.496	0.382	6.8	0.7251	0.0000	OK
4320 minute winter	DS POND4	3780	23.496	0.443	6.7	0.5006	0.0000	SURCHARGED
4320 minute winter	US POND5	4020	23.309	0.336	6.8	0.7603	0.0000	OK
4320 minute winter	DS POND5	4020	23.309	0.406	6.8	0.4591	0.0000	SURCHARGED
4320 minute winter	US POND6	4080	23.154	1.693	7.1	2.7096	0.0000	OK
4320 minute winter	DS POND6	4080	23.155	1.772	6.2	2.0047	0.0000	SURCHARGED
2880 minute winter	US POND7	2820	22.110	0.520	9.2	1.7302	0.0000	OK
2880 minute winter	DS POND7	2820	22.110	0.919	8.5	1.6237	0.0000	SURCHARGED
4320 minute winter	Compound	3780	23.499	0.149	2.0	0.1680	0.0000	OK
240 minute winter	P1	236	22.830	0.885	73.4	334.9190	0.0000	FLOOD RISK
480 minute winter	P2	464	23.178	0.833	7.4	65.7159	0.0000	FLOOD RISK
240 minute winter	G1	228	22.204	0.704	17.3	74.8245	0.0000	SURCHARGED
2880 minute winter	CP6	2820	22.002	1.322	10.0	2.3357	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)
2880 minute winter	CP5	1.002_2	CP6	10.0	0.224	0.066	3.4453	
2880 minute winter	CP4	1.002_1	CP5	4.0	0.404	0.035	3.0379	
360 minute winter	US POND1	Flow through Pond	DS POND1	20.8	0.041	0.007	109.0167	
360 minute winter	DS POND1	3.000_1	US POND2	2.5	0.569	0.034	1.4087	
15 minute winter	dummy	3.000	US POND1	103.3	3.121	1.320	0.1302	
240 minute winter	US POND2	Flow through Pond	DS POND2	27.0	0.042	0.004	196.5944	
240 minute winter	DS POND2	4.000	US POND3	9.2	1.236	0.212	0.3039	
2160 minute winter	US POND3	Flow through Pond	DS POND3	7.5	0.009	0.001	313.7119	
2160 minute winter	DS POND3	5.000	US POND4	4.8	0.349	0.061	0.9254	
4320 minute winter	US POND4	Flow through Pond	DS POND4	6.7	0.008	0.002	69.8657	
4320 minute winter	DS POND4	5.000_1	US POND5	6.6	0.696	0.099	1.4881	
4320 minute winter	US POND5	Flow through Pond	DS POND5	6.8	0.024	0.004	28.6669	
4320 minute winter	DS POND5	7.000	US POND6	6.8	0.959	0.359	0.3015	
4320 minute winter	US POND6	Flow through Pond	DS POND6	6.2	0.018	0.001	308.0606	
4320 minute winter	DS POND6	2.000	CP5	5.7	1.102	0.208	0.2231	
2880 minute winter	US POND7	Flow through Pond	DS POND7	8.5	0.027	0.001	576.9209	
2880 minute winter	DS POND7	1.000_1	CP4	4.0	0.487	0.036	8.5560	
4320 minute winter	Compound	7.001	US POND4	2.0	1.117	0.104	0.3499	
240 minute winter	P1	9.000	US POND7	6.8	0.969	0.354	0.0868	
480 minute winter	P2	8.000	CP1	0.8	0.502	0.042	0.0210	
240 minute winter	G1	2.000_1	CP5	2.7	0.931	0.097	0.1664	
2880 minute winter	CP6	2.001	EX GP MH3	10.0	1.204	0.437	0.0906	1383.0

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 98.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	CP1	472	22.226	0.021	0.8	0.0234	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)
480 minute winter	CP1	11.001	US POND7	0.8	0.516	0.041	0.0474	