

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		

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	HL MH1	106	16.972	1.042	29.0	1.8407	0.0000	SURCHARGED
15 minute winter	EX-HL MH2	10	15.790	0.097	37.0	0.1706	0.0000	OK
15 minute winter	EX-HL MH3	10	14.814	0.133	67.7	0.2359	0.0000	OK
120 minute winter	EX-HL MH5	106	13.945	0.390	53.9	1.3513	0.0000	OK
15 minute winter	EX- HL MH8	13	14.163	0.083	26.9	0.1474	0.0000	OK
180 minute winter	EX-HL MH6	136	13.951	0.405	91.0	1.4018	0.0000	OK
240 minute winter	HL MH7	164	13.972	0.632	128.6	2.1901	0.0000	SURCHARGED
120 minute winter	EX- Assumed Out	104	13.395	0.164	38.3	0.0000	0.0000	OK
30 minute winter	Car Park	24	17.169	0.123	63.7	21.3672	0.0000	OK
720 minute winter	HL MH16	675	18.346	0.066	4.0	47.3450	0.0000	OK
720 minute winter	HL MH25	675	18.346	0.856	1.1	0.7409	0.0000	SURCHARGED
15 minute winter	EX-HL MH9	10	17.266	0.066	12.3	0.1167	0.0000	OK
360 minute winter	HW03	312	18.404	0.104	1.7	0.1180	0.0000	OK
360 minute winter	HW02	312	18.404	0.054	1.9	0.0615	0.0000	OK
120 minute winter	HW01	94	18.913	0.113	5.2	0.1277	0.0000	OK
15 minute winter	US POND2	12	18.962	0.055	14.1	0.0000	0.0000	OK
15 minute winter	US POND3	11	19.044	0.044	16.5	0.0000	0.0000	OK
120 minute winter	HW04	92	19.021	0.121	5.3	0.1372	0.0000	OK
120 minute winter	HL MH15	94	18.100	0.023	1.5	0.0199	0.0000	OK
120 minute winter	HL MH10	106	16.972	0.379	6.4	0.3280	0.0000	SURCHARGED
120 minute winter	DS RG1	102	16.973	0.103	7.6	7.5042	0.0000	OK
15 minute winter	HL MH11	10	17.276	0.063	12.7	0.0546	0.0000	OK
120 minute winter	DS RG2	106	16.972	0.172	45.8	8.6828	0.0000	OK
120 minute winter	DS RG3	106	16.972	0.332	28.1	30.7978	0.0000	SURCHARGED
120 minute winter	HL MH13	92	19.021	0.152	1.5	0.1318	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)
120 minute winter	HL MH1	1.005	EX-HL MH2	15.3	1.290	0.052	0.1434	
15 minute winter	EX-HL MH2	1.006	EX-HL MH3	36.3	1.444	0.149	1.6828	
15 minute winter	EX-HL MH3	1.007	EX-HL MH5	66.6	1.995	0.242	0.7556	
120 minute winter	EX-HL MH5	1.008	EX-HL MH6	47.4	0.463	0.122	32.2026	
15 minute winter	EX- HL MH8	7.003	EX-HL MH5	26.1	0.554	0.010	6.9435	
180 minute winter	EX-HL MH6	1.009	HL MH7	131.4	0.609	0.038	10.5581	
240 minute winter	HL MH7	1.010	EX- Assumed Out	37.5	1.163	0.888	0.5344	467.5
30 minute winter	Car Park	4.000	HL MH1	36.0	1.182	0.220	0.5151	
720 minute winter	HL MH16	6.001	HL MH25	1.1	0.141	0.035	0.3267	
720 minute winter	HL MH25	6.002	EX-HL MH9	0.6	0.504	0.032	0.0207	
15 minute winter	EX-HL MH9	1.001_2	EX- HL MH8	12.2	1.295	0.173	0.1533	
360 minute winter	HW03	2.000_1	HL MH14	1.4	0.217	0.112	0.0799	
360 minute winter	HW02	Flow through Pond	HW03	1.7	0.014	0.002	5.5529	
120 minute winter	HW01	8.000	HL MH23	2.6	0.392	0.058	0.0770	
15 minute winter	US POND2	Flow through Pond	HW01	14.2	0.101	0.010	5.4391	
15 minute winter	US POND3	Flow through Pond	HW04	16.9	0.097	0.015	6.8356	
120 minute winter	HW04	1.000	HL MH13	1.5	0.213	0.035	0.1175	
120 minute winter	HL MH15	1.001	HL MH11	1.5	0.689	0.021	0.0549	
120 minute winter	HL MH10	1.004	HL MH1	6.4	0.624	0.032	0.9392	
120 minute winter	DS RG1	2.000	Dummy6	5.5	0.325	0.011	0.0421	
15 minute winter	HL MH11	1.002	HL MH10	12.6	0.980	0.063	3.1082	
120 minute winter	DS RG2	6.000_1	Dummy7	51.0	-0.796	0.014	0.2005	
120 minute winter	DS RG3	5.000_1	HL MH1	-13.9	0.686	-0.329	0.2987	
120 minute winter	HL MH13	1.001_1	HL MH15	1.5	0.674	0.022	0.0298	

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	EX Pitch	45	17.695	0.152	58.9	52.2171	0.0000	OK
15 minute winter	Dummy	10	19.262	0.062	14.2	0.0000	0.0000	OK
360 minute winter	HL MH14	312	18.404	0.131	1.4	0.1134	0.0000	OK
15 minute winter	Dummy4	10	19.268	0.068	16.5	0.0000	0.0000	OK
15 minute winter	HL MH17	10	18.717	0.064	20.6	0.0554	0.0000	OK
15 minute winter	HL MH18	10	18.207	0.132	40.6	0.1141	0.0000	OK
15 minute winter	HL MH19	10	17.809	0.195	81.8	0.1691	0.0000	OK
15 minute winter	HL PC	10	17.634	0.207	81.4	0.2343	0.0000	OK
15 minute winter	HL MH20	11	17.535	0.198	81.1	0.1711	0.0000	OK
15 minute winter	Dummy1	11	17.486	0.313	80.8	0.0000	0.0000	OK
15 minute winter	HL MH21	10	17.887	0.087	21.9	0.0752	0.0000	OK
15 minute winter	HL MH22	10	17.808	0.141	21.8	0.1221	0.0000	OK
120 minute winter	HL MH23	94	18.913	0.413	2.6	0.3572	0.0000	SURCHARGED
15 minute winter	DP1	10	18.419	0.051	6.8	0.0000	0.0000	OK
15 minute winter	Dummy5	11	17.114	0.124	17.6	0.0000	0.0000	OK
15 minute winter	DP3	10	18.300	0.054	9.9	0.0000	0.0000	OK
120 minute winter	Dummy6	102	16.973	0.103	8.5	0.0000	0.0000	OK
15 minute winter	DP5	10	18.265	0.032	7.1	0.0000	0.0000	OK
120 minute winter	HL MH24	148	16.979	0.159	9.6	0.1376	0.0000	OK
120 minute winter	Dummy7	106	16.972	0.282	51.0	0.0000	0.0000	OK
15 minute summer	AC2	1	18.800	0.000	0.0	0.0000	0.0000	OK
15 minute winter	HL MH26	10	17.058	0.058	9.8	0.0505	0.0000	OK
15 minute winter	HL MH12	10	17.275	0.034	6.7	0.0294	0.0000	OK
15 minute summer	AC1	1	18.400	0.000	0.0	0.0000	0.0000	OK
15 minute winter	DP4	10	18.286	0.036	10.9	0.0000	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)
60 minute winter	EX Pitch	7.000_2	EX- HL MH8	20.1	0.880	0.922	0.1917	
15 minute winter	Dummy	8.000_1	US POND2	14.1	1.395	0.087	0.0917	
360 minute winter	HL MH14	2.001	HL MH11	1.4	0.550	0.088	0.0294	
15 minute winter	Dummy4	13.000	US POND3	16.5	2.042	0.096	0.0751	
15 minute winter	HL MH17	9.000	HL MH18	20.5	1.029	0.101	0.3546	
15 minute winter	HL MH18	9.001	HL MH19	39.9	1.416	0.350	0.4926	
15 minute winter	HL MH19	9.002	HL PC	81.4	1.930	0.518	0.1841	
15 minute winter	HL PC	9.003	HL MH20	81.1	1.606	0.516	0.2283	
15 minute winter	HL MH20	9.004	Dummy1	80.8	1.030	0.496	1.9335	
15 minute winter	Dummy1	DUMMY	Car Park	80.9	0.991	0.733	2.8775	
15 minute winter	HL MH21	9.000_1	HL MH22	21.8	1.044	0.139	0.1639	
15 minute winter	HL MH22	2.001_1	HL MH19	21.5	0.546	0.137	0.1079	
120 minute winter	HL MH23	10.001	HW02	1.5	1.163	0.048	0.0142	
15 minute winter	DP1	11.000	HL MH12	6.7	1.031	0.104	0.0838	
15 minute winter	Dummy5	DUMMY2	DS RG1	16.8	0.473	0.034	1.2216	
15 minute winter	DP3	6.000	HL MH26	9.8	1.383	0.116	0.0777	
120 minute winter	Dummy6	6.001_1	DS RG1A	8.5	0.426	0.012	1.6299	
15 minute winter	DP5	10.000	HL MH24	7.1	2.056	0.042	0.0327	
120 minute winter	HL MH24	10.001_1	Dummy7	12.5	0.438	0.166	0.2152	
120 minute winter	Dummy7	DUMMY3	DS RG3	28.1	0.439	0.056	3.6448	
15 minute summer	AC2	1.000_2	HL MH16	0.0	0.000	0.000	0.0429	
15 minute winter	HL MH26	6.001_2	Dummy6	9.8	1.203	0.127	0.0566	
15 minute winter	HL MH12	4.001	Dummy5	6.7	0.554	0.049	0.0484	
15 minute summer	AC1	1.000_1	HL MH16	0.0	0.000	0.000	0.0212	
15 minute winter	DP4	15.000	SU03	10.9	2.023	0.055	0.0357	

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	SU03	10	17.371	0.051	10.9	0.0000	0.0000	OK
15 minute winter	HL MH24A	10	17.055	0.055	10.8	0.0475	0.0000	OK
120 minute winter	Dummy8	104	16.972	0.172	10.1	0.0000	0.0000	OK
120 minute winter	DS RG1A	104	16.972	0.172	10.3	12.1751	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 winter	SU03	13.001	HL MH24A	10.8	1.516	0.105	0.0583	
15 minute winter	HL MH24A	12.002	Dummy8	10.8	1.415	0.113	0.0521	
120 minute winter	Dummy8	1.006_1	DS RG2	10.1	0.813	0.020	0.8043	
120 minute winter	DS RG1A	1.005_1	Dummy8	9.6	0.311	0.019	0.0791	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	HL MH1	25	17.234	1.304	91.1	2.3038	0.0000	SURCHARGED
15 minute winter	EX-HL MH2	10	15.827	0.134	69.2	0.2362	0.0000	OK
15 minute winter	EX-HL MH3	10	14.890	0.209	140.0	0.3685	0.0000	OK
120 minute winter	EX-HL MH5	122	14.329	0.774	91.8	2.6813	0.0000	OK
120 minute winter	EX- HL MH8	120	14.330	0.250	39.7	0.4409	0.0000	OK
120 minute winter	EX-HL MH6	122	14.332	0.786	134.9	2.7237	0.0000	OK
180 minute winter	HL MH7	140	14.320	0.980	149.9	3.3959	0.0000	SURCHARGED
180 minute winter	EX- Assumed Out	172	13.414	0.183	48.5	0.0000	0.0000	OK
30 minute winter	Car Park	24	17.253	0.207	145.3	51.8656	0.0000	OK
960 minute winter	HL MH16	930	18.411	0.131	5.6	97.1119	0.0000	OK
960 minute winter	HL MH25	930	18.411	0.921	0.8	0.7972	0.0000	SURCHARGED
15 minute winter	EX-HL MH9	10	17.306	0.106	28.3	0.1867	0.0000	OK
360 minute winter	HW03	352	18.449	0.149	2.0	0.1684	0.0000	OK
360 minute winter	HW02	352	18.449	0.099	2.5	0.1118	0.0000	OK
60 minute winter	HW01	61	19.007	0.207	16.1	0.2340	0.0000	SURCHARGED
60 minute winter	US POND2	60	19.007	0.100	16.6	0.0000	0.0000	OK
120 minute winter	US POND3	114	19.111	0.111	11.4	0.0000	0.0000	OK
120 minute winter	HW04	114	19.111	0.211	10.0	0.2389	0.0000	OK
120 minute winter	HL MH15	116	18.103	0.026	1.9	0.0225	0.0000	OK
30 minute winter	HL MH10	24	17.234	0.641	24.5	0.5552	0.0000	SURCHARGED
120 minute winter	DS RG1	116	17.199	0.329	31.1	45.9349	0.0000	OK
15 minute winter	HL MH11	10	17.308	0.095	29.4	0.0821	0.0000	OK
120 minute winter	DS RG2	118	17.199	0.399	85.9	21.5885	0.0000	OK
120 minute winter	DS RG3	118	17.199	0.559	41.9	54.4129	0.0000	SURCHARGED
120 minute winter	HL MH13	114	19.111	0.242	1.9	0.2097	0.0000	FLOOD RISK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	HL MH1	1.005	EX-HL MH2	17.2	1.324	0.058	0.2254	
15 minute winter	EX-HL MH2	1.006	EX-HL MH3	68.2	1.518	0.279	3.0214	
15 minute winter	EX-HL MH3	1.007	EX-HL MH5	138.7	2.368	0.504	1.3260	
120 minute winter	EX-HL MH5	1.008	EX-HL MH6	64.9	0.452	0.167	77.7253	
120 minute winter	EX- HL MH8	7.003	EX-HL MH5	39.6	0.560	0.016	47.3675	
120 minute winter	EX-HL MH6	1.009	HL MH7	159.4	0.634	0.047	21.9475	
180 minute winter	HL MH7	1.010	EX- Assumed Out	48.5	1.238	1.146	0.6099	797.1
30 minute winter	Car Park	4.000	HL MH1	77.5	1.367	0.474	1.3295	
960 minute winter	HL MH16	6.001	HL MH25	0.8	0.144	0.027	0.4424	
960 minute winter	HL MH25	6.002	EX-HL MH9	0.6	0.509	0.033	0.0213	
15 minute winter	EX-HL MH9	1.001_2	EX- HL MH8	27.9	1.601	0.398	0.2847	
360 minute winter	HW03	2.000_1	HL MH14	1.7	0.219	0.134	0.0957	
360 minute winter	HW02	Flow through Pond	HW03	2.0	0.022	0.002	8.9934	
60 minute winter	HW01	8.000	HL MH23	3.6	0.573	0.081	0.0852	
60 minute winter	US POND2	Flow through Pond	HW01	16.1	0.067	0.012	19.2674	
120 minute winter	US POND3	Flow through Pond	HW04	10.0	0.044	0.009	23.4587	
120 minute winter	HW04	1.000	HL MH13	1.9	0.247	0.044	0.1831	
120 minute winter	HL MH15	1.001	HL MH11	1.9	0.745	0.028	0.0658	
30 minute winter	HL MH10	1.004	HL MH1	16.4	0.747	0.082	0.9393	
120 minute winter	DS RG1	2.000	Dummy6	-19.0	-0.359	-0.038	0.2187	
15 minute winter	HL MH11	1.002	HL MH10	28.7	1.069	0.143	4.0459	
120 minute winter	DS RG2	6.000_1	Dummy7	95.1	0.744	0.025	0.4953	
120 minute winter	DS RG3	5.000_1	HL MH1	-41.9	-1.055	-0.991	0.2987	
120 minute winter	HL MH13	1.001_1	HL MH15	1.9	0.727	0.028	0.0357	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	EX Pitch	48	17.786	0.243	137.8	133.8001	0.0000	FLOOD RISK
15 minute winter	Dummy	10	19.296	0.096	32.7	0.0000	0.0000	OK
360 minute winter	HL MH14	352	18.448	0.175	1.7	0.1517	0.0000	FLOOD RISK
15 minute winter	Dummy4	10	19.303	0.103	37.8	0.0000	0.0000	OK
15 minute winter	HL MH17	10	18.751	0.098	47.4	0.0846	0.0000	OK
15 minute winter	HL MH18	11	18.683	0.608	93.2	0.5264	0.0000	SURCHARGED
15 minute winter	HL MH19	11	18.531	0.917	177.4	0.7945	0.0000	SURCHARGED
15 minute winter	HL PC	11	18.255	0.828	177.0	0.9360	0.0000	SURCHARGED
15 minute winter	HL MH20	11	17.975	0.638	176.6	0.5525	0.0000	SURCHARGED
15 minute winter	Dummy1	11	17.746	0.573	176.2	0.0000	0.0000	SURCHARGED
15 minute winter	HL MH21	11	18.571	0.771	50.3	0.6678	0.0000	FLOOD RISK
15 minute winter	HL MH22	11	18.548	0.881	47.0	0.7626	0.0000	SURCHARGED
60 minute winter	HL MH23	61	19.006	0.506	3.6	0.4384	0.0000	SURCHARGED
15 minute winter	DP1	10	18.448	0.080	15.6	0.0000	0.0000	OK
120 minute winter	Dummy5	116	17.199	0.209	12.2	0.0000	0.0000	OK
15 minute winter	DP3	10	18.332	0.086	22.7	0.0000	0.0000	OK
120 minute winter	Dummy6	116	17.199	0.329	20.9	0.0000	0.0000	OK
15 minute winter	DP5	10	18.283	0.050	16.2	0.0000	0.0000	OK
120 minute winter	HL MH24	118	17.199	0.379	12.5	0.3280	0.0000	SURCHARGED
120 minute winter	Dummy7	118	17.199	0.509	99.7	0.0000	0.0000	OK
15 minute summer	AC2	1	18.800	0.000	0.0	0.0000	0.0000	OK
120 minute winter	HL MH26	116	17.199	0.199	6.8	0.1720	0.0000	OK
15 minute winter	HL MH12	10	17.292	0.051	15.4	0.0442	0.0000	OK
960 minute winter	AC1	915	18.411	0.011	0.0	0.0031	0.0000	OK
15 minute winter	DP4	10	18.304	0.054	25.0	0.0000	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)
60 minute winter	EX Pitch	7.000_2	EX- HL MH8	34.6	1.125	1.589	0.2452	
15 minute winter	Dummy	8.000_1	US POND2	32.5	1.752	0.200	0.1685	
360 minute winter	HL MH14	2.001	HL MH11	1.7	0.578	0.105	0.0333	
15 minute winter	Dummy4	13.000	US POND3	37.7	2.315	0.221	0.1413	
15 minute winter	HL MH17	9.000	HL MH18	47.2	1.179	0.232	0.7860	
15 minute winter	HL MH18	9.001	HL MH19	87.2	1.580	0.764	1.2293	
15 minute winter	HL MH19	9.002	HL PC	177.0	2.514	1.127	0.3079	
15 minute winter	HL PC	9.003	HL MH20	176.6	2.507	1.123	0.3183	
15 minute winter	HL MH20	9.004	Dummy1	176.2	1.598	1.081	2.7166	
15 minute winter	Dummy1	DUMMY	Car Park	175.5	1.613	1.589	3.6983	
15 minute winter	HL MH21	9.000_1	HL MH22	47.0	1.045	0.298	0.4674	
15 minute winter	HL MH22	2.001_1	HL MH19	46.5	0.661	0.296	0.1875	
60 minute winter	HL MH23	10.001	HW02	1.7	1.146	0.053	0.0240	
15 minute winter	DP1	11.000	HL MH12	15.4	1.287	0.239	0.1543	
120 minute winter	Dummy5	DUMMY2	DS RG1	12.2	0.423	0.024	3.4930	
15 minute winter	DP3	6.000	HL MH26	22.5	1.716	0.266	0.1438	
120 minute winter	Dummy6	6.001_1	DS RG1A	-14.8	0.473	-0.020	6.2005	
15 minute winter	DP5	10.000	HL MH24	16.1	2.589	0.096	0.0593	
120 minute winter	HL MH24	10.001_1	Dummy7	-12.5	0.341	-0.165	0.2450	
120 minute winter	Dummy7	DUMMY3	DS RG3	28.0	0.433	0.056	7.7581	
15 minute summer	AC2	1.000_2	HL MH16	0.0	0.000	0.000	0.1222	
120 minute winter	HL MH26	6.001_2	Dummy6	6.8	0.739	0.088	0.2289	
15 minute winter	HL MH12	4.001	Dummy5	15.4	0.787	0.113	0.0729	
960 minute winter	AC1	1.000_1	HL MH16	0.0	-0.002	-0.001	0.1985	
15 minute winter	DP4	15.000	SU03	25.0	2.488	0.127	0.0665	

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Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	SU03	10	17.401	0.081	25.0	0.0000	0.0000	OK
120 minute winter	HL MH24A	118	17.199	0.199	7.5	0.1720	0.0000	OK
120 minute winter	Dummy8	118	17.199	0.399	30.2	0.0000	0.0000	OK
120 minute winter	DS RG1A	118	17.199	0.399	29.3	31.5218	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 winter	SU03	13.001	HL MH24A	24.8	1.816	0.240	0.1118	
120 minute winter	HL MH24A	12.002	Dummy8	7.5	0.723	0.079	0.2318	
120 minute winter	Dummy8	1.006_1	DS RG2	-23.7	0.869	-0.047	2.5359	
120 minute winter	DS RG1A	1.005_1	Dummy8	-29.3	-0.307	-0.058	0.2493	

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	HL MH1	176	17.470	1.540	64.6	2.7215	0.0000	SURCHARGED
15 minute winter	EX-HL MH2	10	15.870	0.177	114.7	0.3119	0.0000	OK
180 minute winter	EX-HL MH3	176	15.142	0.461	67.5	0.8139	0.0000	SURCHARGED
180 minute winter	EX-HL MH5	176	15.137	1.582	113.6	5.4793	0.0000	SURCHARGED
180 minute winter	EX- HL MH8	176	15.137	1.057	52.9	1.8676	0.0000	OK
180 minute winter	EX-HL MH6	176	15.136	1.590	130.4	5.5094	0.0000	SURCHARGED
180 minute winter	HL MH7	176	15.136	1.796	161.2	6.2225	0.0000	SURCHARGED
180 minute winter	EX- Assumed Out	176	13.437	0.206	66.3	0.0000	0.0000	OK
180 minute winter	Car Park	176	17.471	0.425	76.6	130.3428	0.0000	SURCHARGED
2160 minute winter	HL MH16	2100	18.556	0.276	5.5	209.2073	0.0000	SURCHARGED
2160 minute winter	HL MH25	2100	18.555	1.065	0.7	0.9225	0.0000	FLOOD RISK
15 minute winter	EX-HL MH9	10	17.356	0.156	51.0	0.2755	0.0000	OK
360 minute winter	HW03	352	18.514	0.214	2.5	0.2415	0.0000	FLOOD RISK
360 minute winter	HW02	352	18.514	0.164	3.3	0.1850	0.0000	OK
120 minute winter	HW01	118	19.130	0.330	11.0	0.3734	0.0000	SURCHARGED
120 minute winter	US POND2	118	19.130	0.223	17.8	0.0000	0.0000	OK
120 minute winter	US POND3	118	19.244	0.244	20.6	0.0000	0.0000	OK
120 minute winter	HW04	116	19.244	0.344	11.6	0.3890	0.0000	FLOOD RISK
120 minute winter	HL MH15	118	18.106	0.029	2.4	0.0252	0.0000	OK
180 minute winter	HL MH10	176	17.470	0.877	15.0	0.7597	0.0000	SURCHARGED
180 minute winter	DS RG1	180	17.471	0.601	34.2	92.5230	0.0000	OK
180 minute winter	HL MH11	176	17.471	0.258	15.0	0.2231	0.0000	OK
180 minute winter	DS RG2	176	17.471	0.671	37.4	37.1082	0.0000	OK
180 minute winter	DS RG3	180	17.471	0.831	46.8	79.6517	0.0000	SURCHARGED
120 minute winter	HL MH13	116	19.244	0.375	2.4	0.3245	0.0000	FLOOD RISK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	HL MH1	1.005	EX-HL MH2	18.7	1.374	0.063	0.1907	
15 minute winter	EX-HL MH2	1.006	EX-HL MH3	113.0	1.572	0.463	4.7813	
180 minute winter	EX-HL MH3	1.007	EX-HL MH5	67.5	1.999	0.245	2.4946	
180 minute winter	EX-HL MH5	1.008	EX-HL MH6	82.3	0.457	0.212	112.8951	
180 minute winter	EX- HL MH8	7.003	EX-HL MH5	47.4	0.561	0.019	125.9579	
180 minute winter	EX-HL MH6	1.009	HL MH7	157.4	0.628	0.046	28.6849	
180 minute winter	HL MH7	1.010	EX- Assumed Out	66.3	1.667	1.567	0.6384	1165.0
180 minute winter	Car Park	4.000	HL MH1	51.4	1.205	0.315	1.8662	
2160 minute winter	HL MH16	6.001	HL MH25	0.7	0.114	0.023	0.4594	
2160 minute winter	HL MH25	6.002	EX-HL MH9	0.7	0.521	0.035	0.0224	
15 minute winter	EX-HL MH9	1.001_2	EX- HL MH8	50.2	1.818	0.715	0.4505	
360 minute winter	HW03	2.000_1	HL MH14	2.0	0.230	0.160	0.0957	
360 minute winter	HW02	Flow through Pond	HW03	2.5	0.022	0.003	14.4464	
120 minute winter	HW01	8.000	HL MH23	3.2	0.535	0.072	0.0852	
120 minute winter	US POND2	Flow through Pond	HW01	11.0	0.063	0.008	39.8050	
120 minute winter	US POND3	Flow through Pond	HW04	11.6	0.056	0.010	46.6533	
120 minute winter	HW04	1.000	HL MH13	2.4	0.282	0.057	0.1855	
120 minute winter	HL MH15	1.001	HL MH11	2.4	0.799	0.035	0.0776	
180 minute winter	HL MH10	1.004	HL MH1	14.3	0.571	0.072	0.9393	
180 minute winter	DS RG1	2.000	Dummy6	-20.7	-0.299	-0.041	0.4559	
180 minute winter	HL MH11	1.002	HL MH10	15.0	0.596	0.075	5.9184	
180 minute winter	DS RG2	6.000_1	Dummy7	-37.4	0.381	-0.010	0.8006	
180 minute winter	DS RG3	5.000_1	HL MH1	-46.8	-1.177	-1.106	0.2987	
120 minute winter	HL MH13	1.001_1	HL MH15	2.4	0.781	0.036	0.0421	

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	EX Pitch	53	17.886	0.343	252.8	266.6659	0.0000	FLOOD RISK
15 minute winter	Dummy	10	19.333	0.133	58.8	0.0000	0.0000	OK
360 minute winter	HL MH14	352	18.513	0.240	2.0	0.2074	0.0000	FLOOD RISK
15 minute winter	Dummy4	10	19.342	0.142	68.0	0.0000	0.0000	OK
15 minute winter	HL MH17	10	19.467	0.814	85.2	0.7050	0.0000	SURCHARGED
15 minute winter	HL MH18	10	19.327	1.252	166.3	1.0838	0.0000	FLOOD RISK
15 minute winter	HL MH19	10	18.781	1.167	248.5	1.0110	0.0000	FLOOD RISK
15 minute winter	HL PC	10	18.441	1.014	198.2	1.1468	0.0000	SURCHARGED
15 minute winter	HL MH20	10	18.097	0.760	195.9	0.6581	0.0000	SURCHARGED
15 minute summer	Dummy1	9	17.817	0.644	196.1	0.0000	0.0000	SURCHARGED
15 minute winter	HL MH21	8	18.730	0.930	142.2	0.8054	30.9806	FLOOD
15 minute winter	HL MH22	10	18.761	1.094	51.8	0.9471	0.0000	FLOOD RISK
120 minute winter	HL MH23	118	19.129	0.629	3.2	0.5449	0.0000	FLOOD RISK
15 minute winter	DP1	10	18.480	0.112	28.1	0.0000	0.0000	OK
180 minute winter	Dummy5	180	17.471	0.481	19.3	0.0000	0.0000	OK
15 minute winter	DP3	10	18.369	0.123	40.8	0.0000	0.0000	OK
180 minute winter	Dummy6	180	17.471	0.601	23.3	0.0000	0.0000	OK
15 minute winter	DP5	10	18.301	0.068	29.1	0.0000	0.0000	OK
180 minute winter	HL MH24	176	17.471	0.651	6.4	0.5638	0.0000	SURCHARGED
180 minute winter	Dummy7	176	17.471	0.781	39.4	0.0000	0.0000	OK
15 minute summer	AC2	1	18.800	0.000	0.0	0.0000	0.0000	OK
180 minute winter	HL MH26	180	17.471	0.471	9.0	0.4079	0.0000	SURCHARGED
180 minute winter	HL MH12	180	17.471	0.230	6.2	0.1992	0.0000	SURCHARGED
2160 minute winter	AC1	2100	18.556	0.156	0.0	0.0441	0.0000	SURCHARGED
15 minute winter	DP4	10	18.325	0.075	45.0	0.0000	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)
60 minute winter	EX Pitch	7.000_2	EX- HL MH8	46.8	1.498	2.152	0.2574	
15 minute winter	Dummy	8.000_1	US POND2	58.5	2.036	0.360	0.2608	
360 minute winter	HL MH14	2.001	HL MH11	2.0	0.607	0.125	0.0379	
15 minute winter	Dummy4	13.000	US POND3	67.8	2.721	0.398	0.2143	
15 minute winter	HL MH17	9.000	HL MH18	83.5	1.201	0.411	1.2260	
15 minute winter	HL MH18	9.001	HL MH19	164.9	2.342	1.445	1.2293	
15 minute winter	HL MH19	9.002	HL PC	198.2	2.815	1.262	0.3079	
15 minute winter	HL PC	9.003	HL MH20	195.9	2.783	1.247	0.3183	
15 minute winter	HL MH20	9.004	Dummy1	195.7	1.775	1.201	2.7166	
15 minute summer	Dummy1	DUMMY	Car Park	195.0	1.778	1.765	3.7680	
15 minute winter	HL MH21	9.000_1	HL MH22	-51.6	1.060	-0.327	0.4674	
15 minute winter	HL MH22	2.001_1	HL MH19	-51.8	-0.736	-0.330	0.1875	
120 minute winter	HL MH23	10.001	HW02	1.9	1.179	0.059	0.0446	
15 minute winter	DP1	11.000	HL MH12	27.8	1.489	0.431	0.2406	
180 minute winter	Dummy5	DUMMY2	DS RG1	14.0	0.429	0.028	10.5938	
15 minute winter	DP3	6.000	HL MH26	40.5	1.969	0.478	0.2254	
180 minute winter	Dummy6	6.001_1	DS RG1A	-15.5	0.383	-0.021	11.9348	
15 minute winter	DP5	10.000	HL MH24	29.0	3.019	0.172	0.0915	
180 minute winter	HL MH24	10.001_1	Dummy7	6.2	0.286	0.082	0.2450	
180 minute winter	Dummy7	DUMMY3	DS RG3	-26.2	0.393	-0.052	11.4874	
15 minute summer	AC2	1.000_2	HL MH16	0.0	0.000	0.000	0.2587	
180 minute winter	HL MH26	6.001_2	Dummy6	8.8	0.674	0.114	0.2368	
180 minute winter	HL MH12	4.001	Dummy5	12.0	0.483	0.088	0.1477	
2160 minute winter	AC1	1.000_1	HL MH16	0.0	-0.002	-0.001	0.4141	
15 minute winter	DP4	15.000	SU03	44.9	2.782	0.228	0.1067	

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	SU03	176	17.471	0.151	9.9	0.0000	0.0000	OK
180 minute winter	HL MH24A	176	17.471	0.471	9.9	0.4079	0.0000	SURCHARGED
180 minute winter	Dummy8	180	17.471	0.671	36.0	0.0000	0.0000	OK
180 minute winter	DS RG1A	180	17.471	0.671	34.7	54.8083	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)
180 minute winter	SU03	13.001	HL MH24A	9.9	1.466	0.096	0.2784	
180 minute winter	HL MH24A	12.002	Dummy8	9.8	0.637	0.103	0.2398	
180 minute winter	Dummy8	1.006_1	DS RG2	-25.9	0.720	-0.052	4.5631	
180 minute winter	DS RG1A	1.005_1	Dummy8	35.6	-0.305	0.071	0.4487	