

Design Settings

Rainfall Methodology	FSR	Maximum Time of Concentration (mins)	30.00
Return Period (years)	2	Maximum Rainfall (mm/hr)	50.0
Additional Flow (%)	0	Minimum Velocity (m/s)	1.00
FSR Region	England and Wales	Connection Type	Level Soffits
M5-60 (mm)	20.000	Minimum Backdrop Height (m)	0.200
Ratio-R	0.400	Preferred Cover Depth (m)	1.200
CV	0.750	Include Intermediate Ground	✓
Time of Entry (mins)	5.00	Enforce best practice design rules	✓

Nodes

Name	Area (ha)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
CP1		6.400	1500	479440.149	384798.466	1.520
CP2	0.240	6.250	1500	479479.659	384784.925	1.470
CP3	0.652	6.200	1500	479509.004	384737.530	1.550
CP4	0.806	6.200	1800	479535.687	384675.336	1.730
Basin		6.200	1800	479543.238	384657.369	1.800
FC		6.200	1500	479552.977	384618.272	1.815
S1		6.000	1200	479572.881	384586.251	1.910
HW		6.184		479621.619	384570.039	2.464
Outfall		6.184		479626.952	384568.049	2.884

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	CP1	CP2	41.766	0.600	4.880	4.780	0.100	417.7	600	5.59	50.0
1.001	CP2	CP3	55.744	0.600	4.780	4.650	0.130	428.8	600	6.38	50.0
1.002	CP3	CP4	67.676	0.600	4.650	4.470	0.180	376.0	600	7.28	50.0
1.003	CP4	Basin	25.490	0.600	4.470	4.400	0.070	364.1	600	7.62	50.0
1.004	Basin	FC	3.000	0.600	4.400	4.385	0.015	200.0	600	7.65	50.0
1.005	FC	S1	41.106	0.600	4.385	4.090	0.295	139.3	150	8.46	50.0
1.006	S1	HW	51.364	0.600	4.090	3.720	0.370	138.8	150	9.46	50.0
1.007	HW	Outfall	5.692	0.600	3.720	3.300	0.420	13.6	150	9.50	50.0

Name	US Node	DS Node	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)
1.000	CP1	CP2	1.185	335.0	0.0	0.920	0.870	0.000
1.001	CP2	CP3	1.169	330.6	32.5	0.870	0.950	0.240
1.002	CP3	CP4	1.250	353.3	120.9	0.950	1.130	0.892
1.003	CP4	Basin	1.270	359.1	230.1	1.130	1.200	1.698
1.004	Basin	FC	1.718	485.8	230.1	1.200	1.215	1.698
1.005	FC	S1	0.849	15.0	230.1	1.665	1.760	1.698
1.006	S1	HW	0.851	15.0	230.1	1.760	2.314	1.698
1.007	HW	Outfall	2.751	48.6	230.1	2.314	2.734	1.698

Simulation Settings

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

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 %)	Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
2	0	0	0	100	25	0	0
30	0	0	0				

Node Outfall Surcharged Outfall

Overrides Design Area	x	Depression Storage Area (m ²)	0	Evapo-transpiration (mm/day)	0
Overrides Design Additional Inflow	x	Depression Storage Depth (mm)	0		
Applies to All storms					

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
0	1.500	240	1.500	480	1.500	720	1.500	960	1.500	1200	1.500	1440	1.500
120	1.500	360	1.500	600	1.500	840	1.500	1080	1.500	1320	1.500		

Node FC Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	✓	Sump Available	✓
Invert Level (m)	4.385	Product Number	CTL-SHE-0073-2800-1500-2800
Design Depth (m)	1.500	Min Outlet Diameter (m)	0.100
Design Flow (l/s)	2.8	Min Node Diameter (mm)	1200

Node Basin Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	4.400
Side Inf Coefficient (m/hr)	0.00000	Porosity	1.00	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)	Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	861.7	0.0	0.400	1050.2	0.0	0.800	1249.5	0.0	1.200	1459.6	0.0	1.600	1699.7	0.0
0.100	907.7	0.0	0.500	1099.0	0.0	0.900	1301.0	0.0	1.300	1513.8	0.0	1.700	1757.3	0.0
0.200	954.5	0.0	0.600	1148.5	0.0	1.000	1353.2	0.0	1.400	1568.6	0.0	1.797	1813.8	0.0
0.300	1002.0	0.0	0.700	1198.7	0.0	1.100	1406.1	0.0	1.500	1624.1	0.0			

Node CP2 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Width (m)	106.000	Depth (m)	0.400
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	5.750	Length (m)	80.000	Inf Depth (m)	
Safety Factor	2.0	Time to half empty (mins)	4	Slope (1:X)	120.0		

Node CP4 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Width (m)	116.000	Depth (m)	0.400
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	5.700	Length (m)	59.000	Inf Depth (m)	
Safety Factor	2.0	Time to half empty (mins)	2	Slope (1:X)	120.0		

Node CP3 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Width (m)	116.000	Depth (m)	0.400
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	5.700	Length (m)	46.000	Inf Depth (m)	
Safety Factor	2.0	Time to half empty (mins)	4	Slope (1:X)	120.0		

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
2 year 15 minute summer	113.088	32.000	2 year 360 minute winter	10.728	4.247
2 year 15 minute winter	79.360	32.000	2 year 480 minute summer	13.041	3.446
2 year 30 minute summer	71.963	20.363	2 year 480 minute winter	8.664	3.446
2 year 30 minute winter	50.500	20.363	2 year 600 minute summer	10.662	2.916
2 year 60 minute summer	47.608	12.581	2 year 600 minute winter	7.285	2.916
2 year 60 minute winter	31.630	12.581	2 year 720 minute summer	9.468	2.537
2 year 120 minute summer	32.732	8.650	2 year 720 minute winter	6.363	2.537
2 year 120 minute winter	21.746	8.650	2 year 960 minute summer	7.701	2.028
2 year 180 minute summer	26.292	6.766	2 year 960 minute winter	5.101	2.028
2 year 180 minute winter	17.090	6.766	2 year 1440 minute summer	5.485	1.470
2 year 240 minute summer	21.257	5.618	2 year 1440 minute winter	3.686	1.470
2 year 240 minute winter	14.123	5.618	30 year 15 minute summer	324.274	91.758
2 year 360 minute summer	16.505	4.247	30 year 15 minute winter	227.561	91.758

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
30 year 30 minute summer	210.449	59.550	100 year +25% CC 15 minute winter	367.297	148.104
30 year 30 minute winter	147.684	59.550	100 year +25% CC 30 minute summer	342.721	96.978
30 year 60 minute summer	139.646	36.904	100 year +25% CC 30 minute winter	240.506	96.978
30 year 60 minute winter	92.778	36.904	100 year +25% CC 60 minute summer	228.970	60.510
30 year 120 minute summer	82.496	21.801	100 year +25% CC 60 minute winter	152.122	60.510
30 year 120 minute winter	54.808	21.801	100 year +25% CC 120 minute summer	132.626	35.049
30 year 180 minute summer	61.915	15.933	100 year +25% CC 120 minute winter	88.113	35.049
30 year 180 minute winter	40.246	15.933	100 year +25% CC 180 minute summer	98.691	25.397
30 year 240 minute summer	48.127	12.718	100 year +25% CC 180 minute winter	64.152	25.397
30 year 240 minute winter	31.974	12.718	100 year +25% CC 240 minute summer	76.401	20.191
30 year 360 minute summer	35.808	9.215	100 year +25% CC 240 minute winter	50.759	20.191
30 year 360 minute winter	23.276	9.215	100 year +25% CC 360 minute summer	56.743	14.602
30 year 480 minute summer	27.675	7.314	100 year +25% CC 360 minute winter	36.884	14.602
30 year 480 minute winter	18.387	7.314	100 year +25% CC 480 minute summer	43.852	11.589
30 year 600 minute summer	22.324	6.106	100 year +25% CC 480 minute winter	29.134	11.589
30 year 600 minute winter	15.253	6.106	100 year +25% CC 600 minute summer	35.398	9.682
30 year 720 minute summer	19.645	5.265	100 year +25% CC 600 minute winter	24.186	9.682
30 year 720 minute winter	13.203	5.265	100 year +25% CC 720 minute summer	31.184	8.358
30 year 960 minute summer	15.803	4.161	100 year +25% CC 720 minute winter	20.958	8.358
30 year 960 minute winter	10.468	4.161	100 year +25% CC 960 minute summer	25.160	6.625
30 year 1440 minute summer	11.134	2.984	100 year +25% CC 960 minute winter	16.667	6.625
30 year 1440 minute winter	7.483	2.984	100 year +25% CC 1440 minute summer	17.779	4.765
100 year +25% CC 15 minute summer	523.398	148.104	100 year +25% CC 1440 minute winter	11.948	4.765

Results for 2 year Critical Storm Duration. Lowest mass balance: 98.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	CP1	11	5.573	0.693	60.0	1.2246	0.0000	SURCHARGED
15 minute summer	CP2	11	5.644	0.864	144.7	1.5266	0.0000	SURCHARGED
15 minute summer	CP3	11	5.483	0.833	227.4	1.4719	0.0000	SURCHARGED
15 minute summer	CP4	11	5.540	1.070	368.1	2.7228	0.0000	SURCHARGED
1440 minute winter	Basin	1410	4.918	0.518	17.0	510.8539	0.0000	OK
1440 minute winter	FC	1410	4.918	0.533	2.0	0.9421	0.0000	SURCHARGED
1440 minute winter	S1	1410	4.808	0.718	2.0	0.8119	0.0000	SURCHARGED
1440 minute winter	HW	1410	4.801	1.081	2.0	0.0000	0.0000	SURCHARGED
15 minute summer	Outfall	1	4.800	1.500	0.0	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Link Vol (m³)
15 minute summer	CP1	1.000	CP2	-60.0	11.7645
15 minute summer	CP2	1.001	CP3	133.2	15.7018
15 minute summer	CP3	1.002	CP4	271.2	19.0628
15 minute summer	CP4	1.003	Basin	403.0	3.7540
1440 minute winter	Basin	1.004	FC	2.0	0.7850
1440 minute winter	FC	Hydro-Brake®	S1	2.0	
1440 minute winter	S1	1.006	HW	2.0	0.9043
1440 minute winter	HW	1.007	Outfall	2.0	0.1002

Results for 30 year Critical Storm Duration. Lowest mass balance: 98.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	CP1	8	6.131	1.251	119.2	2.2112	0.0000	FLOOD RISK
15 minute summer	CP2	13	5.875	1.095	265.6	19.8924	0.0000	SURCHARGED
15 minute summer	CP3	11	5.864	1.214	442.1	58.1656	0.0000	SURCHARGED
15 minute summer	CP4	10	5.750	1.280	763.7	7.5349	0.0000	SURCHARGED
1440 minute winter	Basin	1440	5.356	0.956	32.7	1045.7330	0.0000	SURCHARGED
1440 minute winter	FC	1440	5.356	0.971	2.4	1.7164	0.0000	SURCHARGED
60 minute summer	S1	42	4.814	0.724	2.4	0.8184	0.0000	SURCHARGED
60 minute winter	HW	42	4.804	1.084	2.2	0.0000	0.0000	SURCHARGED
15 minute summer	Outfall	1	4.800	1.500	0.0	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Link Vol (m³)
15 minute summer	CP1	1.000	CP2	145.3	11.7645
15 minute summer	CP2	1.001	CP3	223.3	15.7018
15 minute summer	CP3	1.002	CP4	571.8	19.0628
15 minute summer	CP4	1.003	Basin	779.4	5.4380
1440 minute winter	Basin	1.004	FC	2.4	0.8450
1440 minute winter	FC	Hydro-Brake®	S1	2.4	
60 minute summer	S1	1.006	HW	2.2	0.9043
60 minute winter	HW	1.007	Outfall	2.2	0.1002

Results for 100 year +25% CC Critical Storm Duration. Lowest mass balance: 98.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	CP1	11	6.104	1.224	212.8	2.1626	0.0000	FLOOD RISK
15 minute summer	CP2	14	5.966	1.186	304.2	55.4432	0.0000	FLOOD RISK
15 minute summer	CP3	13	5.948	1.298	603.3	131.2186	0.0000	FLOOD RISK
15 minute summer	CP4	11	5.832	1.362	876.2	32.9059	0.0000	SURCHARGED
1440 minute winter	Basin	1440	5.808	1.408	54.6	1702.7690	0.0000	SURCHARGED
1440 minute winter	FC	1440	5.808	1.423	2.4	2.5152	0.0000	SURCHARGED
30 minute summer	S1	37	4.828	0.738	2.4	0.8342	0.0000	SURCHARGED
60 minute summer	HW	38	4.804	1.084	2.8	0.0000	0.0000	SURCHARGED
15 minute summer	Outfall	1	4.800	1.500	2.8	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Link Vol (m³)
15 minute winter	CP1	1.000	CP2	-212.8	11.7645
15 minute summer	CP2	1.001	CP3	337.4	15.7018
15 minute summer	CP3	1.002	CP4	591.8	19.0628
15 minute summer	CP4	1.003	Basin	981.0	7.0644
1440 minute winter	Basin	1.004	FC	2.4	0.8450
1440 minute winter	FC	Hydro-Brake®	S1	2.4	
30 minute summer	S1	1.006	HW	2.5	0.9043
60 minute summer	HW	1.007	Outfall	2.8	0.1002

Design Settings

Rainfall Methodology	FSR	Maximum Time of Concentration (mins)	30.00
Return Period (years)	2	Maximum Rainfall (mm/hr)	50.0
Additional Flow (%)	0	Minimum Velocity (m/s)	1.00
FSR Region	England and Wales	Connection Type	Level Soffits
M5-60 (mm)	20.000	Minimum Backdrop Height (m)	0.200
Ratio-R	0.400	Preferred Cover Depth (m)	1.200
CV	0.750	Include Intermediate Ground	✓
Time of Entry (mins)	5.00	Enforce best practice design rules	✓

Nodes

Name	Area (ha)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
CP1		6.400	1500	479440.149	384798.466	1.520
CP2	0.240	6.250	1500	479479.659	384784.925	1.470
CP3	0.652	6.200	1500	479509.004	384737.530	1.550
CP4	0.806	6.200	1800	479535.687	384675.336	1.730
Basin		6.200	1800	479543.238	384657.369	1.800
FC		6.200	1500	479552.977	384618.272	1.815
S1		6.000	1200	479572.881	384586.251	1.910
HW		6.184		479621.619	384570.039	2.464
Outfall		6.184		479626.952	384568.049	2.884

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	CP1	CP2	41.766	0.600	4.880	4.780	0.100	417.7	600	5.59	50.0
1.001	CP2	CP3	55.744	0.600	4.780	4.650	0.130	428.8	600	6.38	50.0
1.002	CP3	CP4	67.676	0.600	4.650	4.470	0.180	376.0	600	7.28	50.0
1.003	CP4	Basin	25.490	0.600	4.470	4.400	0.070	364.1	600	7.62	50.0
1.004	Basin	FC	3.000	0.600	4.400	4.385	0.015	200.0	600	7.65	50.0
1.005	FC	S1	41.106	0.600	4.385	4.090	0.295	139.3	150	8.46	50.0
1.006	S1	HW	51.364	0.600	4.090	3.720	0.370	138.8	150	9.46	50.0
1.007	HW	Outfall	5.692	0.600	3.720	3.300	0.420	13.6	150	9.50	50.0

Name	US Node	DS Node	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)
1.000	CP1	CP2	1.185	335.0	0.0	0.920	0.870	0.000
1.001	CP2	CP3	1.169	330.6	32.5	0.870	0.950	0.240
1.002	CP3	CP4	1.250	353.3	120.9	0.950	1.130	0.892
1.003	CP4	Basin	1.270	359.1	230.1	1.130	1.200	1.698
1.004	Basin	FC	1.718	485.8	230.1	1.200	1.215	1.698
1.005	FC	S1	0.849	15.0	230.1	1.665	1.760	1.698
1.006	S1	HW	0.851	15.0	230.1	1.760	2.314	1.698
1.007	HW	Outfall	2.751	48.6	230.1	2.314	2.734	1.698

Simulation Settings

Rainfall Methodology	FEH-22	Winter CV	1.000	Drain Down Time (mins)	1440	Check Discharge Rate(s)	x
Rainfall Events	Singular	Analysis Speed	Detailed	Additional Storage (m ³ /ha)	0.0	Check Discharge Volume	x
Summer CV	1.000	Skip Steady State	x	Starting Level (m)			

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 %)
10	0	0	0

Node FC Online Head/Flow Control

Flap Valve x | Replaces Downstream Link ✓ | Invert Level (m) 4.385

Head (m)	Flow (l/s)	Head (m)	Flow (l/s)
0.001	0.000	1.415	0.000

Node Basin Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	4.400
Side Inf Coefficient (m/hr)	0.00000	Porosity	1.00	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)	Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	861.7	0.0	0.400	1050.2	0.0	0.800	1249.5	0.0	1.200	1459.6	0.0	1.600	1699.7	0.0
0.100	907.7	0.0	0.500	1099.0	0.0	0.900	1301.0	0.0	1.300	1513.8	0.0	1.700	1757.3	0.0
0.200	954.5	0.0	0.600	1148.5	0.0	1.000	1353.2	0.0	1.400	1568.6	0.0	1.797	1813.8	0.0
0.300	1002.0	0.0	0.700	1198.7	0.0	1.100	1406.1	0.0	1.500	1624.1	0.0			

Node CP2 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Width (m)	106.000	Depth (m)	0.400
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	5.750	Length (m)	80.000	Inf Depth (m)	
Safety Factor	2.0	Time to half empty (mins)	4	Slope (1:X)	120.0		

Node CP4 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Width (m)	116.000	Depth (m)	0.400
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	5.700	Length (m)	59.000	Inf Depth (m)	
Safety Factor	2.0	Time to half empty (mins)	1	Slope (1:X)	120.0		

Node CP3 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Width (m)	116.000	Depth (m)	0.400
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	5.700	Length (m)	46.000	Inf Depth (m)	
Safety Factor	2.0	Time to half empty (mins)	2	Slope (1:X)	120.0		

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
10 year 15 minute summer	241.545	68.349	10 year 180 minute summer	47.625	12.256	10 year 600 minute summer	17.585	4.810
10 year 15 minute winter	169.505	68.349	10 year 180 minute winter	30.958	12.256	10 year 600 minute winter	12.015	4.810
10 year 30 minute summer	155.067	43.879	10 year 240 minute summer	37.339	9.868	10 year 720 minute summer	15.495	4.153
10 year 30 minute winter	108.819	43.879	10 year 240 minute winter	24.807	9.868	10 year 720 minute winter	10.413	4.153
10 year 60 minute summer	102.317	27.039	10 year 360 minute summer	28.037	7.215	10 year 960 minute summer	12.484	3.287
10 year 60 minute winter	67.977	27.039	10 year 360 minute winter	18.225	7.215	10 year 960 minute winter	8.270	3.287
10 year 120 minute summer	62.510	16.520	10 year 480 minute summer	21.755	5.749	10 year 1440 minute summer	8.809	2.361
10 year 120 minute winter	41.530	16.520	10 year 480 minute winter	14.453	5.749	10 year 1440 minute winter	5.920	2.361

Results for 10 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 winter	CP1	9	6.092	1.212	73.3	2.1413	0.0000	SURCHARGED
15 minute summer	CP2	9	5.839	1.059	292.2	10.8840	0.0000	SURCHARGED
15 minute summer	CP3	11	5.821	1.171	384.4	32.4257	0.0000	SURCHARGED
15 minute winter	CP4	9	5.729	1.259	684.6	4.6154	0.0000	SURCHARGED
1440 minute winter	Basin	2850	5.249	0.849	25.7	905.1220	0.0000	SURCHARGED
1440 minute winter	FC	2370	5.249	0.864	0.1	1.5260	0.0000	SURCHARGED
15 minute summer	S1	1	4.090	0.000	0.0	0.0000	0.0000	OK
15 minute summer	HW	1	3.720	0.000	0.0	0.0000	0.0000	OK
15 minute summer	Outfall	1	3.300	0.000	0.0	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Link Vol (m³)
15 minute winter	CP1	1.000	CP2	75.1	11.7645
15 minute summer	CP2	1.001	CP3	260.0	15.7018
15 minute summer	CP3	1.002	CP4	519.3	19.0628
15 minute winter	CP4	1.003	Basin	696.8	4.5569
1440 minute winter	Basin	1.004	FC	0.1	0.8450
1440 minute winter	FC	Head/Flow	S1	0.0	
15 minute summer	S1	1.006	HW	0.0	0.0000
15 minute summer	HW	1.007	Outfall	0.0	0.0000