

Design Settings

Rainfall Methodology	FSR	Maximum Time of Concentration (mins)	30.00
Return Period (years)	100	Maximum Rainfall (mm/hr)	50.0
Additional Flow (%)	40	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)	0.600
CV	0.750	Include Intermediate Ground	✓
Time of Entry (mins)	5.00	Enforce best practice design rules	x

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Depth (m)
1	0.017	5.00	187.290	450	0.750
2	0.017	5.00	187.270	450	0.904
3	0.017	5.00	187.060	450	1.140
Car Park 1	0.147	5.00	187.900	450	2.199
Car Park 2	0.132	5.00	188.180	450	2.610
Flow Control			187.000	1200	1.460
Outfall			185.000	450	1.250
4	0.017	5.00	188.000	450	0.700
5	0.018	5.00	188.000	450	0.700
6	0.009	5.00	188.000	450	1.104
7	0.035	5.00	188.000	450	0.700
8	0.002	5.00	186.790	450	0.700
9	0.001	5.00	187.400	450	1.621
10	0.002	5.00	187.400	450	0.700
11	0.001	5.00	187.550	450	0.700

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	1	2	17.500	0.600	186.540	186.366	0.174	100.6	150	5.29	50.0
1.001	2	3	45.000	0.600	186.366	185.920	0.446	100.9	150	6.04	50.0
1.002	3	Car Park 1	22.000	0.600	185.920	185.701	0.219	100.5	150	6.41	50.0
1.003	Car Park 1	Car Park 2	1.000	0.600	185.701	185.691	0.010	100.0	150	6.42	50.0
1.004	Car Park 2	Flow Control	3.000	0.600	185.570	185.540	0.030	100.0	150	6.47	50.0
1.005	Flow Control	Outfall	50.000	0.600	185.581	183.750	1.831	27.3	150	6.90	50.0
2.000	4	Car Park 1	5.000	0.600	187.300	187.215	0.085	58.8	100	5.08	50.0
3.000	5	6	24.000	0.600	187.300	186.896	0.404	59.4	100	5.40	50.0
3.001	6	Car Park 1	1.000	0.600	186.896	186.879	0.017	58.8	100	5.42	50.0
4.000	7	Car Park 1	1.000	0.600	187.300	187.283	0.017	58.8	100	5.02	50.0
5.000	8	9	18.500	0.600	186.090	185.779	0.311	59.5	100	5.31	50.0
5.001	9	Car Park 2	7.000	0.600	185.779	185.620	0.159	44.0	100	5.41	50.0

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)
6.000	10	Car Park 2	36.000	0.600	186.700	186.095	0.605	59.5	100	5.60	50.0
6.001	11	Car Park 2	6.000	0.600	186.850	186.749	0.101	59.4	100	5.10	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	17.500	100.6	150	Circular	187.290	186.540	0.600	187.270	186.366	0.754
1.001	45.000	100.9	150	Circular	187.270	186.366	0.754	187.060	185.920	0.990
1.002	22.000	100.5	150	Circular	187.060	185.920	0.990	187.900	185.701	2.049
1.003	1.000	100.0	150	Circular	187.900	185.701	2.049	188.180	185.691	2.339
1.004	3.000	100.0	150	Circular	188.180	185.570	2.460	187.000	185.540	1.310
1.005	50.000	27.3	150	Circular	187.000	185.581	1.269	185.000	183.750	1.100
2.000	5.000	58.8	100	Circular	188.000	187.300	0.600	187.900	187.215	0.585
3.000	24.000	59.4	100	Circular	188.000	187.300	0.600	188.000	186.896	1.004
3.001	1.000	58.8	100	Circular	188.000	186.896	1.004	187.900	186.879	0.921
4.000	1.000	58.8	100	Circular	188.000	187.300	0.600	187.900	187.283	0.517
5.000	18.500	59.5	100	Circular	186.790	186.090	0.600	187.400	185.779	1.521
5.001	7.000	44.0	100	Circular	187.400	185.779	1.521	188.180	185.620	2.460
6.000	36.000	59.5	100	Circular	187.400	186.700	0.600	188.180	186.095	1.985
6.001	6.000	59.4	100	Circular	187.550	186.850	0.600	188.180	186.749	1.331

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	1	450	Manhole	Adoptable	2	450	Manhole	Adoptable
1.001	2	450	Manhole	Adoptable	3	450	Manhole	Adoptable
1.002	3	450	Manhole	Adoptable	Car Park 1	450	Manhole	Adoptable
1.003	Car Park 1	450	Manhole	Adoptable	Car Park 2	450	Manhole	Adoptable
1.004	Car Park 2	450	Manhole	Adoptable	Flow Control	1200	Manhole	Adoptable
1.005	Flow Control	1200	Manhole	Adoptable	Outfall	450	Manhole	Adoptable
2.000	4	450	Manhole	Adoptable	Car Park 1	450	Manhole	Adoptable
3.000	5	450	Manhole	Adoptable	6	450	Manhole	Adoptable
3.001	6	450	Manhole	Adoptable	Car Park 1	450	Manhole	Adoptable
4.000	7	450	Manhole	Adoptable	Car Park 1	450	Manhole	Adoptable
5.000	8	450	Manhole	Adoptable	9	450	Manhole	Adoptable
5.001	9	450	Manhole	Adoptable	Car Park 2	450	Manhole	Adoptable
6.000	10	450	Manhole	Adoptable	Car Park 2	450	Manhole	Adoptable
6.001	11	450	Manhole	Adoptable	Car Park 2	450	Manhole	Adoptable

Manhole Schedule

Node	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
1	187.290	0.750	450					
				0	1.000	186.540	150	
2	187.270	0.904	450		1	1.000	186.366	150
				0	1.001	186.366	150	
3	187.060	1.140	450		1	1.001	185.920	150
				0	1.002	185.920	150	
Car Park 1	187.900	2.199	450		1	4.000	187.283	100
				2	3.001	186.879	100	
				3	2.000	187.215	100	
				4	1.002	185.701	150	
				0	1.003	185.701	150	
Car Park 2	188.180	2.610	450		1	6.001	186.749	100
				2	6.000	186.095	100	
				3	5.001	185.620	100	
				4	1.003	185.691	150	
				0	1.004	185.570	150	
Flow Control	187.000	1.460	1200		1	1.004	185.540	150
				0	1.005	185.581	150	
Outfall	185.000	1.250	450		1	1.005	183.750	150
4	188.000	0.700	450					
				0	2.000	187.300	100	
5	188.000	0.700	450					
				0	3.000	187.300	100	
6	188.000	1.104	450		1	3.000	186.896	100
				0	3.001	186.896	100	
7	188.000	0.700	450					
				0	4.000	187.300	100	
8	186.790	0.700	450					
				0	5.000	186.090	100	

Manhole Schedule

Node	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
9	187.400	1.621	450	1	5.000	185.779	100
				0	5.001	185.779	100
10	187.400	0.700	450	0	6.000	186.700	100
				0	6.001	186.850	100
11	187.550	0.700	450	0	6.001	186.850	100

Simulation Settings

Rainfall Methodology	FSR	Analysis Speed	Normal
FSR Region	England and Wales	Skip Steady State	x
M5-60 (mm)	20.000	Drain Down Time (mins)	240
Ratio-R	0.400	Additional Storage (m³/ha)	20.0
Summer CV	0.750	Check Discharge Rate(s)	x
Winter CV	0.840	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 %)
1	0	0	0
30	0	0	0
30	10	0	0
100	0	0	0
100	40	0	0

Node Flow Control Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	x	Sump Available	✓
Invert Level (m)	185.581	Product Number	CTL-SHE-0103-5000-1200-5000
Design Depth (m)	1.200	Min Outlet Diameter (m)	0.150
Design Flow (l/s)	5.0	Min Node Diameter (mm)	1200

Node Car Park 1 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	185.701
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Time to half empty (mins)	240

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	1470.0	0.0	0.400	1470.0	0.0	0.401	0.0	0.0

Node Car Park 2 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	185.570
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Time to half empty (mins)	

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	800.0	0.0	0.400	800.0	0.0	0.401	0.0	0.0

Results for 1 year Critical Storm Duration. Lowest mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	1	10	186.577	0.037	2.4	0.0227	0.0000	OK
15 minute winter	2	11	186.419	0.053	4.8	0.0281	0.0000	OK
15 minute winter	3	11	185.997	0.077	7.0	0.0353	0.0000	OK
180 minute winter	Car Park 1	128	185.759	0.058	9.6	25.6598	0.0000	OK
480 minute winter	Car Park 2	360	185.708	0.138	5.3	33.1713	0.0000	OK
480 minute winter	Flow Control	360	185.706	0.166	3.2	0.1876	0.0000	OK
480 minute winter	Outfall	360	183.781	0.031	3.2	0.0000	0.0000	OK
15 minute winter	4	10	187.340	0.040	2.4	0.0259	0.0000	OK
15 minute winter	5	10	187.339	0.038	2.5	0.0259	0.0000	OK
15 minute winter	6	11	186.954	0.058	3.8	0.0188	0.0000	OK
15 minute winter	7	10	187.370	0.070	4.9	0.0810	0.0000	OK
15 minute summer	8	11	186.103	0.013	0.3	0.0029	0.0000	OK
15 minute winter	9	11	185.793	0.014	0.4	0.0025	0.0000	OK
15 minute winter	10	11	186.713	0.013	0.3	0.0028	0.0000	OK
60 minute winter	11	38	186.858	0.008	0.1	0.0015	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	1	1.000	2	2.4	0.543	0.134	0.0772	
15 minute winter	2	1.001	3	4.7	0.640	0.264	0.3292	
15 minute winter	3	1.002	Car Park 1	7.1	1.393	0.401	0.1194	
180 minute winter	Car Park 1	1.003	Car Park 2	4.2	0.737	0.235	0.0057	
480 minute winter	Car Park 2	1.004	Flow Control	3.2	0.181	0.180	0.0518	
480 minute winter	Flow Control	1.005	Outfall	3.2	1.211	0.093	0.1317	61.1
15 minute winter	4	2.000	Car Park 1	2.4	0.844	0.301	0.0141	
15 minute winter	5	3.000	6	2.5	0.659	0.314	0.0901	
15 minute winter	6	3.001	Car Park 1	3.7	0.870	0.466	0.0042	
15 minute winter	7	4.000	Car Park 1	4.8	0.928	0.612	0.0052	
15 minute summer	8	5.000	9	0.3	0.468	0.038	0.0121	
15 minute winter	9	5.001	Car Park 2	0.4	0.573	0.043	0.0048	
15 minute winter	10	6.000	Car Park 2	0.3	0.469	0.035	0.0211	
60 minute winter	11	6.001	Car Park 2	0.1	0.343	0.013	0.0017	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	1	10	186.599	0.059	5.9	0.0361	0.0000	OK
15 minute winter	2	11	186.453	0.087	11.7	0.0465	0.0000	OK
15 minute winter	3	11	186.057	0.137	17.2	0.0627	0.0000	OK
240 minute winter	Car Park 1	204	185.827	0.126	18.0	55.6483	0.0000	OK
240 minute winter	Car Park 2	200	185.826	0.256	18.4	61.6675	0.0000	SURCHARGED
240 minute winter	Flow Control	200	185.822	0.282	4.7	0.3184	0.0000	SURCHARGED
240 minute winter	Outfall	200	183.788	0.038	4.7	0.0000	0.0000	OK
15 minute winter	4	10	187.371	0.071	5.9	0.0460	0.0000	OK
15 minute winter	5	10	187.366	0.066	6.2	0.0447	0.0000	OK
15 minute winter	6	11	187.033	0.137	9.2	0.0440	0.0000	SURCHARGED
15 minute winter	7	10	187.481	0.181	12.1	0.2095	0.0000	SURCHARGED
15 minute winter	8	11	186.110	0.020	0.7	0.0044	0.0000	OK
240 minute winter	9	200	185.826	0.047	0.2	0.0080	0.0000	OK
15 minute winter	10	11	186.720	0.020	0.7	0.0043	0.0000	OK
15 minute summer	11	12	186.864	0.014	0.3	0.0026	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	1	1.000	2	5.8	0.685	0.328	0.1486	
15 minute winter	2	1.001	3	11.3	0.811	0.641	0.6183	
15 minute winter	3	1.002	Car Park 1	17.2	1.532	0.972	0.2563	
240 minute winter	Car Park 1	1.003	Car Park 2	10.8	0.944	0.608	0.0162	
240 minute winter	Car Park 2	1.004	Flow Control	4.7	0.269	0.267	0.0528	
240 minute winter	Flow Control	1.005	Outfall	4.7	1.357	0.139	0.1748	98.9
15 minute winter	4	2.000	Car Park 1	5.8	1.032	0.735	0.0281	
15 minute winter	5	3.000	6	6.1	0.838	0.779	0.1601	
15 minute winter	6	3.001	Car Park 1	9.0	1.151	1.139	0.0077	
15 minute winter	7	4.000	Car Park 1	11.9	1.516	1.501	0.0077	
15 minute winter	8	5.000	9	0.7	0.568	0.089	0.0229	
240 minute winter	9	5.001	Car Park 2	0.2	0.381	0.022	0.0399	
15 minute winter	10	6.000	Car Park 2	0.7	0.613	0.086	0.0399	
15 minute summer	11	6.001	Car Park 2	0.3	0.477	0.038	0.0038	

Results for 30 year +10% CC Critical Storm Duration. Lowest mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	1	10	186.602	0.062	6.5	0.0381	0.0000	OK
15 minute winter	2	11	186.459	0.093	12.9	0.0497	0.0000	OK
15 minute winter	3	11	186.108	0.188	19.0	0.0860	0.0000	SURCHARGED
360 minute winter	Car Park 1	280	185.847	0.146	14.5	64.6235	0.0000	OK
360 minute winter	Car Park 2	280	185.846	0.276	16.1	66.5293	0.0000	SURCHARGED
360 minute winter	Flow Control	280	185.842	0.302	4.8	0.3411	0.0000	SURCHARGED
360 minute winter	Outfall	280	183.788	0.038	4.8	0.0000	0.0000	OK
15 minute winter	4	10	187.377	0.077	6.5	0.0498	0.0000	OK
15 minute winter	5	10	187.371	0.071	6.8	0.0477	0.0000	OK
15 minute winter	6	10	187.045	0.149	10.1	0.0480	0.0000	SURCHARGED
15 minute winter	7	10	187.501	0.201	13.3	0.2335	0.0000	SURCHARGED
15 minute winter	8	10	186.111	0.021	0.8	0.0045	0.0000	OK
360 minute winter	9	280	185.846	0.067	0.2	0.0114	0.0000	OK
15 minute winter	10	11	186.721	0.021	0.8	0.0045	0.0000	OK
15 minute winter	11	11	186.866	0.016	0.4	0.0029	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	1	1.000	2	6.4	0.699	0.363	0.1605	
15 minute winter	2	1.001	3	12.5	0.812	0.709	0.6537	
15 minute winter	3	1.002	Car Park 1	18.0	1.524	1.015	0.2892	
360 minute winter	Car Park 1	1.003	Car Park 2	8.8	0.896	0.497	0.0175	
360 minute winter	Car Park 2	1.004	Flow Control	4.8	0.274	0.271	0.0528	
360 minute winter	Flow Control	1.005	Outfall	4.8	1.363	0.141	0.1767	123.8
15 minute winter	4	2.000	Car Park 1	6.4	1.049	0.810	0.0305	
15 minute winter	5	3.000	6	6.7	0.899	0.851	0.1652	
15 minute winter	6	3.001	Car Park 1	9.9	1.260	1.247	0.0077	
15 minute winter	7	4.000	Car Park 1	13.0	1.661	1.644	0.0077	
15 minute winter	8	5.000	9	0.8	0.572	0.097	0.0247	
360 minute winter	9	5.001	Car Park 2	0.2	0.192	0.022	0.0469	
15 minute winter	10	6.000	Car Park 2	0.7	0.626	0.093	0.0418	
15 minute winter	11	6.001	Car Park 2	0.4	0.519	0.051	0.0046	

Results for 100 year Critical Storm Duration. Lowest mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	1	10	186.608	0.068	7.6	0.0417	0.0000	OK
15 minute winter	2	11	186.473	0.107	15.1	0.0575	0.0000	OK
15 minute winter	3	11	186.205	0.285	22.3	0.1301	0.0000	SURCHARGED
240 minute winter	Car Park 1	232	185.889	0.187	23.2	82.9603	0.0000	SURCHARGED
240 minute winter	Car Park 2	232	185.887	0.317	24.2	76.4953	0.0000	SURCHARGED
240 minute winter	Flow Control	232	185.883	0.343	4.9	0.3876	0.0000	SURCHARGED
240 minute winter	Outfall	232	183.789	0.039	4.9	0.0000	0.0000	OK
15 minute winter	4	10	187.391	0.091	7.6	0.0584	0.0000	OK
15 minute winter	5	11	187.456	0.156	8.1	0.1050	0.0000	SURCHARGED
15 minute winter	6	11	187.062	0.166	11.0	0.0535	0.0000	SURCHARGED
15 minute winter	7	10	187.549	0.249	15.7	0.2883	0.0000	SURCHARGED
15 minute winter	8	10	186.112	0.022	0.9	0.0048	0.0000	OK
240 minute winter	9	232	185.887	0.108	0.3	0.0185	0.0000	SURCHARGED
15 minute winter	10	11	186.722	0.022	0.9	0.0048	0.0000	OK
15 minute winter	11	12	186.866	0.016	0.4	0.0029	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	1	1.000	2	7.5	0.724	0.425	0.1844	
15 minute winter	2	1.001	3	14.7	0.882	0.831	0.6998	
15 minute winter	3	1.002	Car Park 1	20.9	1.537	1.180	0.3279	
240 minute winter	Car Park 1	1.003	Car Park 2	12.6	0.982	0.711	0.0176	
240 minute winter	Car Park 2	1.004	Flow Control	4.9	0.280	0.277	0.0528	
240 minute winter	Flow Control	1.005	Outfall	4.9	1.372	0.144	0.1795	108.3
15 minute winter	4	2.000	Car Park 1	7.5	1.066	0.943	0.0349	
15 minute winter	5	3.000	6	7.2	0.935	0.919	0.1878	
15 minute winter	6	3.001	Car Park 1	11.0	1.406	1.392	0.0077	
15 minute winter	7	4.000	Car Park 1	15.3	1.952	1.933	0.0077	
15 minute winter	8	5.000	9	0.9	0.600	0.110	0.0266	
240 minute winter	9	5.001	Car Park 2	0.3	0.381	0.033	0.0548	
15 minute winter	10	6.000	Car Park 2	0.8	0.650	0.106	0.0459	
15 minute winter	11	6.001	Car Park 2	0.4	0.519	0.051	0.0046	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	1	12	186.924	0.384	10.7	0.2350	0.0000	SURCHARGED
15 minute winter	2	12	186.874	0.508	19.9	0.2717	0.0000	SURCHARGED
15 minute winter	3	12	186.396	0.476	26.6	0.2176	0.0000	SURCHARGED
360 minute winter	Car Park 1	344	186.012	0.311	23.9	137.7628	0.0000	SURCHARGED
360 minute winter	Car Park 2	344	186.011	0.441	20.6	96.6364	0.0000	SURCHARGED
360 minute winter	Flow Control	344	186.006	0.466	5.1	0.5275	0.0000	SURCHARGED
240 minute winter	Outfall	288	183.789	0.039	5.0	0.0000	0.0000	OK
15 minute winter	4	11	187.505	0.205	10.7	0.1325	0.0000	SURCHARGED
15 minute winter	5	12	187.822	0.522	11.3	0.3516	0.0000	FLOOD RISK
15 minute winter	6	11	187.132	0.236	14.8	0.0761	0.0000	SURCHARGED
15 minute winter	7	11	187.706	0.406	22.0	0.4700	0.0000	FLOOD RISK
15 minute winter	8	10	186.117	0.027	1.3	0.0059	0.0000	OK
360 minute winter	9	344	186.011	0.232	0.3	0.0397	0.0000	SURCHARGED
15 minute winter	10	11	186.727	0.027	1.3	0.0058	0.0000	OK
15 minute winter	11	11	186.869	0.019	0.6	0.0036	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	1	1.000	2	9.8	0.756	0.552	0.3081	
15 minute winter	2	1.001	3	17.2	0.976	0.972	0.7922	
15 minute winter	3	1.002	Car Park 1	26.1	1.543	1.475	0.3873	
360 minute winter	Car Park 1	1.003	Car Park 2	10.6	0.940	0.598	0.0176	
360 minute winter	Car Park 2	1.004	Flow Control	5.1	0.292	0.289	0.0528	
360 minute winter	Flow Control	1.005	Outfall	5.0	1.378	0.146	0.1814	140.2
15 minute winter	4	2.000	Car Park 1	10.3	1.318	1.305	0.0387	
15 minute winter	5	3.000	6	9.6	1.232	1.226	0.1878	
15 minute winter	6	3.001	Car Park 1	14.7	1.881	1.863	0.0077	
15 minute winter	7	4.000	Car Park 1	21.2	2.706	2.679	0.0077	
15 minute winter	8	5.000	9	1.3	0.663	0.161	0.0354	
360 minute winter	9	5.001	Car Park 2	0.2	0.149	0.026	0.0548	
15 minute winter	10	6.000	Car Park 2	1.2	0.727	0.156	0.0608	
15 minute winter	11	6.001	Car Park 2	0.6	0.582	0.076	0.0062	