

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	✓
Maximum Rainfall (mm/hr)	0.0		

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Depth (m)
S1	0.045	5.00	38.950	1200	1.000
S2	0.015	5.00	38.800	1200	0.950
SOAKAWAY			38.900	300	1.150
DUMMY	0.000	5.00	38.900	100	0.400
CARPARK 1	0.039		38.900	100	0.450
SIC2	0.000	5.00	38.900	100	0.400
CARPARK 2	0.023		38.900	100	0.450
SIC3	0.000	5.00	38.750	100	0.400
CARPARK 3	0.044		38.750	100	0.450
SIC4	0.000	5.00	39.100	100	0.400
CARPARK 4	0.108		39.100	100	0.450
SIC5	0.000	5.00	39.300	100	0.400
CARPARK 5	0.154		39.300	100	0.450

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	S1	S2	28.000	0.600	37.950	37.850	0.100	280.0	300	5.50	0.0
1.001	S2	SOAKAWAY	14.000	0.600	37.850	37.750	0.100	140.0	300	5.68	0.0
2.000	DUMMY	CARPARK 1	5.000	0.600	38.500	38.450	0.050	100.0	150	5.08	0.0
3.000	SIC2	CARPARK 2	5.000	0.600	38.500	38.450	0.050	100.0	150	5.08	0.0
4.000	SIC3	CARPARK 3	5.000	0.600	38.350	38.300	0.050	100.0	150	5.08	0.0
5.000	SIC4	CARPARK 4	5.000	0.600	38.700	38.650	0.050	100.0	150	5.08	0.0
6.000	SIC5	CARPARK 5	5.000	0.600	38.900	38.850	0.050	100.0	150	5.08	0.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
1.000	0.934	66.0	0.0	0.700	0.650	0.045	0.0	0	0.000
1.001	1.327	93.8	0.0	0.650	0.850	0.060	0.0	0	0.000
2.000	1.005	17.8	0.0	0.250	0.300	0.000	0.0	0	0.000
3.000	1.005	17.8	0.0	0.250	0.300	0.000	0.0	0	0.000
4.000	1.005	17.8	0.0	0.250	0.300	0.000	0.0	0	0.000
5.000	1.005	17.8	0.0	0.250	0.300	0.000	0.0	0	0.000
6.000	1.005	17.8	0.0	0.250	0.300	0.000	0.0	0	0.000

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	28.000	280.0	300	Circular	38.950	37.950	0.700	38.800	37.850	0.650
1.001	14.000	140.0	300	Circular	38.800	37.850	0.650	38.900	37.750	0.850
2.000	5.000	100.0	150	Circular	38.900	38.500	0.250	38.900	38.450	0.300
3.000	5.000	100.0	150	Circular	38.900	38.500	0.250	38.900	38.450	0.300
4.000	5.000	100.0	150	Circular	38.750	38.350	0.250	38.750	38.300	0.300
5.000	5.000	100.0	150	Circular	39.100	38.700	0.250	39.100	38.650	0.300
6.000	5.000	100.0	150	Circular	39.300	38.900	0.250	39.300	38.850	0.300

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	S1	1200	Manhole	Adoptable	S2	1200	Manhole	Adoptable
1.001	S2	1200	Manhole	Adoptable	SOAKAWAY	300	Manhole	Adoptable
2.000	DUMMY	100	Manhole	Adoptable	CARPARK 1	100	Manhole	Adoptable
3.000	SIC2	100	Manhole	Adoptable	CARPARK 2	100	Manhole	Adoptable
4.000	SIC3	100	Manhole	Adoptable	CARPARK 3	100	Manhole	Adoptable
5.000	SIC4	100	Manhole	Adoptable	CARPARK 4	100	Manhole	Adoptable
6.000	SIC5	100	Manhole	Adoptable	CARPARK 5	100	Manhole	Adoptable

Manhole Schedule

Node	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
S1	38.950	1.000	1200				
				0	1.000	37.950	300
S2	38.800	0.950	1200				
				0	1.001	37.850	300
SOAKAWAY	38.900	1.150	300				
				1	1.001	37.750	300
DUMMY	38.900	0.400	100				
				0	2.000	38.500	150
CARPARK 1	38.900	0.450	100				
				1	2.000	38.450	150
SIC2	38.900	0.400	100				
				0	3.000	38.500	150
CARPARK 2	38.900	0.450	100				
				1	3.000	38.450	150

Manhole Schedule

Node	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
SIC3	38.750	0.400	100					
				0	4.000	38.350	150	
CARPARK 3	38.750	0.450	100		1	4.000	38.300	150
SIC4	39.100	0.400	100					
				0	5.000	38.700	150	
CARPARK 4	39.100	0.450	100		1	5.000	38.650	150
SIC5	39.300	0.400	100					
				0	6.000	38.900	150	
CARPARK 5	39.300	0.450	100		1	6.000	38.850	150

Simulation Settings

Rainfall Methodology	FEH-22	Analysis Speed	Normal	Additional Storage (m³/ha)	0.0
Summer CV	0.750	Skip Steady State	x	Check Discharge Rate(s)	x
Winter CV	0.840	Drain Down Time (mins)	10080	Check Discharge Volume	x

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	35	0	0
100	40	0	0

Node SOAKAWAY Online Head/Flow Control

Flap Valve x | Replaces Downstream Link ✓ | Invert Level (m) 37.750

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

Node CARPARK 2 Online Head/Flow Control

Flap Valve x | Replaces Downstream Link ✓ | Invert Level (m) 38.450

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

Node CARPARK 3 Online Head/Flow Control

Flap Valve x Replaces Downstream Link ✓ Invert Level (m) 38.300

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

Node SOAKAWAY Soakaway Storage Structure

Base Inf Coefficient (m/hr)	0.00650	Invert Level (m)	37.650	Depth (m)	0.750
Side Inf Coefficient (m/hr)	0.00650	Time to half empty (mins)	6180	Inf Depth (m)	
Safety Factor	2.0	Pit Width (m)	8.000	Number Required	1
Porosity	0.95	Pit Length (m)	9.000		

Node CARPARK 1 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00650	Invert Level (m)	38.450	Slope (1:X)	5000.0
Side Inf Coefficient (m/hr)	0.00650	Time to half empty (mins)	409	Depth (m)	
Safety Factor	2.0	Width (m)	15.000	Inf Depth (m)	
Porosity	0.30	Length (m)	26.000		

Node CARPARK 2 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00650	Invert Level (m)	38.400	Slope (1:X)	5000.0
Side Inf Coefficient (m/hr)	0.00650	Time to half empty (mins)	1808	Depth (m)	
Safety Factor	2.0	Width (m)	5.000	Inf Depth (m)	
Porosity	0.30	Length (m)	24.000		

Node CARPARK 3 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00650	Invert Level (m)	38.150	Slope (1:X)	5000.0
Side Inf Coefficient (m/hr)	0.00650	Time to half empty (mins)	2168	Depth (m)	
Safety Factor	2.0	Width (m)	10.000	Inf Depth (m)	
Porosity	0.30	Length (m)	19.000		

Node CARPARK 4 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00650	Invert Level (m)	38.600	Slope (1:X)	5000.0
Side Inf Coefficient (m/hr)	0.00650	Time to half empty (mins)	542	Depth (m)	
Safety Factor	2.0	Width (m)	10.000	Inf Depth (m)	
Porosity	0.30	Length (m)	57.000		

Node CARPARK 5 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00650	Invert Level (m)	38.700	Slope (1:X)	5000.0
Side Inf Coefficient (m/hr)	0.00650	Time to half empty (mins)	804	Depth (m)	
Safety Factor	2.0	Width (m)	10.000	Inf Depth (m)	
Porosity	0.30	Length (m)	69.000		

Other (defaults)

Entry Loss (manhole)	0.250	Entry Loss (junction)	0.000	Apply Recommended Losses	x
Exit Loss (manhole)	0.250	Exit Loss (junction)	0.000	Flood Risk (m)	0.300

Approval Settings

Node Size	✓	Minimum Full Bore Velocity (m/s)	
Node Losses	✓	Maximum Full Bore Velocity (m/s)	3.000
Link Size	✓	Proportional Velocity	✓
Minimum Diameter (mm)	150	Return Period (years)	
Link Length	✓	Minimum Proportional Velocity (m/s)	0.750
Maximum Length (m)	100.000	Maximum Proportional Velocity (m/s)	3.000
Coordinates	✓	Surcharged Depth	✓
Accuracy (m)	1.000	Return Period (years)	
Crossings	✓	Maximum Surcharged Depth (m)	0.100
Cover Depth	✓	Flooding	✓
Minimum Cover Depth (m)		Return Period (years)	30
Maximum Cover Depth (m)	3.000	Time to Half Empty	x
Backdrops	✓	Discharge Rates	✓
Minimum Backdrop Height (m)		Discharge Volume	✓
Maximum Backdrop Height (m)	1.500	100 year 360 minute (m ³)	
Full Bore Velocity	✓		

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
2 year 15 minute summer	101.779	28.800
2 year 15 minute winter	71.424	28.800
2 year 30 minute summer	65.026	18.400
2 year 30 minute winter	45.632	18.400
2 year 60 minute summer	43.138	11.400
2 year 60 minute winter	28.660	11.400
2 year 120 minute summer	31.426	8.305
2 year 120 minute winter	20.879	8.305
2 year 180 minute summer	25.628	6.595
2 year 180 minute winter	16.659	6.595
2 year 240 minute summer	20.823	5.503
2 year 240 minute winter	13.835	5.503
2 year 360 minute summer	16.180	4.164
2 year 360 minute winter	10.517	4.164
2 year 480 minute summer	12.750	3.369
2 year 480 minute winter	8.470	3.369
2 year 600 minute summer	10.397	2.844
2 year 600 minute winter	7.104	2.844
2 year 720 minute summer	9.212	2.469
2 year 720 minute winter	6.191	2.469
2 year 960 minute summer	7.471	1.967
2 year 960 minute winter	4.949	1.967
2 year 1440 minute summer	5.328	1.428
2 year 1440 minute winter	3.581	1.428
2 year 2160 minute summer	3.778	1.044
2 year 2160 minute winter	2.603	1.044
2 year 2880 minute summer	3.144	0.843
2 year 2880 minute winter	2.113	0.843

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
2 year 4320 minute summer	2.424	0.634
2 year 4320 minute winter	1.596	0.634
2 year 5760 minute summer	2.051	0.525
2 year 5760 minute winter	1.327	0.525
2 year 7200 minute summer	1.797	0.458
2 year 7200 minute winter	1.160	0.458
2 year 8640 minute summer	1.620	0.413
2 year 8640 minute winter	1.046	0.413
2 year 10080 minute summer	1.493	0.381
2 year 10080 minute winter	0.963	0.381
30 year +35% CC 15 minute summer	406.685	115.078
30 year +35% CC 15 minute winter	285.393	115.078
30 year +35% CC 30 minute summer	265.736	75.194
30 year +35% CC 30 minute winter	186.482	75.194
30 year +35% CC 60 minute summer	176.968	46.767
30 year +35% CC 60 minute winter	117.573	46.767
30 year +35% CC 120 minute summer	109.127	28.839
30 year +35% CC 120 minute winter	72.502	28.839
30 year +35% CC 180 minute summer	83.060	21.374
30 year +35% CC 180 minute winter	53.991	21.374
30 year +35% CC 240 minute summer	64.871	17.144
30 year +35% CC 240 minute winter	43.099	17.144
30 year +35% CC 360 minute summer	48.221	12.409
30 year +35% CC 360 minute winter	31.345	12.409
30 year +35% CC 480 minute summer	37.028	9.785
30 year +35% CC 480 minute winter	24.601	9.785
30 year +35% CC 600 minute summer	29.663	8.114
30 year +35% CC 600 minute winter	20.268	8.114
30 year +35% CC 720 minute summer	25.935	6.951
30 year +35% CC 720 minute winter	17.430	6.951
30 year +35% CC 960 minute summer	20.639	5.435
30 year +35% CC 960 minute winter	13.672	5.435
30 year +35% CC 1440 minute summer	14.323	3.839
30 year +35% CC 1440 minute winter	9.626	3.839
30 year +35% CC 2160 minute summer	9.846	2.721
30 year +35% CC 2160 minute winter	6.784	2.721
30 year +35% CC 2880 minute summer	7.994	2.143
30 year +35% CC 2880 minute winter	5.373	2.143
30 year +35% CC 4320 minute summer	5.924	1.549
30 year +35% CC 4320 minute winter	3.902	1.549
30 year +35% CC 5760 minute summer	4.858	1.244
30 year +35% CC 5760 minute winter	3.144	1.244
30 year +35% CC 7200 minute summer	4.147	1.058
30 year +35% CC 7200 minute winter	2.677	1.058
30 year +35% CC 8640 minute summer	3.656	0.933
30 year +35% CC 8640 minute winter	2.360	0.933
30 year +35% CC 10080 minute summer	3.302	0.842
30 year +35% CC 10080 minute winter	2.131	0.842
100 year +40% CC 15 minute summer	544.698	154.131
100 year +40% CC 15 minute winter	382.244	154.131
100 year +40% CC 30 minute summer	357.448	101.145
100 year +40% CC 30 minute winter	250.840	101.145

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
100 year +40% CC 60 minute summer	240.228	63.485
100 year +40% CC 60 minute winter	159.602	63.485
100 year +40% CC 120 minute summer	144.453	38.175
100 year +40% CC 120 minute winter	95.971	38.175
100 year +40% CC 180 minute summer	108.907	28.025
100 year +40% CC 180 minute winter	70.792	28.025
100 year +40% CC 240 minute summer	84.640	22.368
100 year +40% CC 240 minute winter	56.233	22.368
100 year +40% CC 360 minute summer	62.614	16.113
100 year +40% CC 360 minute winter	40.701	16.113
100 year +40% CC 480 minute summer	47.966	12.676
100 year +40% CC 480 minute winter	31.867	12.676
100 year +40% CC 600 minute summer	38.356	10.491
100 year +40% CC 600 minute winter	26.207	10.491
100 year +40% CC 720 minute summer	33.482	8.973
100 year +40% CC 720 minute winter	22.502	8.973
100 year +40% CC 960 minute summer	26.562	6.994
100 year +40% CC 960 minute winter	17.595	6.994
100 year +40% CC 1440 minute summer	18.328	4.912
100 year +40% CC 1440 minute winter	12.317	4.912
100 year +40% CC 2160 minute summer	12.489	3.451
100 year +40% CC 2160 minute winter	8.605	3.451
100 year +40% CC 2880 minute summer	10.059	2.696
100 year +40% CC 2880 minute winter	6.760	2.696
100 year +40% CC 4320 minute summer	7.349	1.921
100 year +40% CC 4320 minute winter	4.839	1.921
100 year +40% CC 5760 minute summer	5.955	1.524
100 year +40% CC 5760 minute winter	3.854	1.524
100 year +40% CC 7200 minute summer	5.036	1.285
100 year +40% CC 7200 minute winter	3.250	1.285
100 year +40% CC 8640 minute summer	4.405	1.124
100 year +40% CC 8640 minute winter	2.843	1.124
100 year +40% CC 10080 minute summer	3.953	1.008
100 year +40% CC 10080 minute winter	2.551	1.008

Results for 2 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S1	10	38.011	0.061	5.9	0.0691	0.0000	OK
15 minute winter	S2	11	37.910	0.060	7.8	0.0681	0.0000	OK
1440 minute winter	SOAKAWAY	1380	37.838	0.088	0.5	12.8721	0.0000	OK
15 minute summer	DUMMY	1	38.500	0.000	0.0	0.0000	0.0000	OK
240 minute winter	CARPARK 1	184	38.496	0.046	1.3	4.8882	0.0000	OK
15 minute summer	SIC2	1	38.500	0.000	0.0	0.0000	0.0000	OK
600 minute winter	CARPARK 2	435	38.496	0.046	0.4	3.3727	0.0000	OK
15 minute summer	SIC3	1	38.350	0.000	0.0	0.0000	0.0000	OK
480 minute winter	CARPARK 3	440	38.270	-0.030	0.9	6.7326	0.0000	OK
15 minute summer	SIC4	1	38.700	0.000	0.0	0.0000	0.0000	OK
360 minute winter	CARPARK 4	288	38.696	0.046	2.7	15.3532	0.0000	OK
15 minute summer	SIC5	1	38.900	0.000	0.0	0.0000	0.0000	OK
360 minute winter	CARPARK 5	336	38.817	-0.033	3.8	22.7808	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	S1	1.000	S2	5.8	0.577	0.088	0.2818	
15 minute winter	S2	1.001	SOAKAWAY	7.7	0.794	0.083	0.1367	
1440 minute winter	SOAKAWAY	Head/Flow		0.0				0.0
1440 minute winter	SOAKAWAY	Infiltration		0.1				
15 minute summer	DUMMY	2.000	CARPARK 1	0.0	0.000	0.000	0.0036	
240 minute winter	CARPARK 1	Infiltration		0.3				
15 minute summer	SIC2	3.000	CARPARK 2	0.0	0.000	0.000	0.0000	
600 minute winter	CARPARK 2	Head/Flow		0.0				0.0
600 minute winter	CARPARK 2	Infiltration		0.1				
15 minute summer	SIC3	4.000	CARPARK 3	0.0	0.000	0.000	0.0000	
480 minute winter	CARPARK 3	Head/Flow		0.0				0.0
480 minute winter	CARPARK 3	Infiltration		0.2				
15 minute summer	SIC4	5.000	CARPARK 4	0.0	0.000	0.000	0.0000	
360 minute winter	CARPARK 4	Infiltration		0.5				
15 minute summer	SIC5	6.000	CARPARK 5	0.0	0.000	0.000	0.0000	
360 minute winter	CARPARK 5	Infiltration		0.6				

Results for 30 year +35% CC Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S1	1410	38.204	0.254	1.0	0.2877	0.0000	OK
1440 minute winter	S2	1410	38.204	0.354	1.3	0.4008	0.0000	SURCHARGED
1440 minute winter	SOAKAWAY	1410	38.204	0.454	1.2	37.9534	0.0000	OK

240 minute winter	DUMMY	236	38.615	0.115	0.0	0.0009	0.0000	OK
240 minute winter	CARPARK 1	236	38.615	0.165	3.9	18.4650	0.0000	OK

720 minute winter	SIC2	690	38.732	0.232	0.0	0.0019	0.0000	FLOOD RISK
720 minute winter	CARPARK 2	690	38.732	0.282	0.9	11.8659	0.0000	OK

480 minute winter	SIC3	472	38.576	0.226	0.1	0.0018	0.0000	FLOOD RISK
480 minute winter	CARPARK 3	472	38.576	0.276	2.5	24.1672	0.0000	OK

480 minute winter	SIC4	472	38.943	0.243	0.0	0.0019	0.0000	FLOOD RISK
480 minute winter	CARPARK 4	472	38.943	0.293	6.2	57.4901	0.0000	OK

480 minute winter	SIC5	472	39.117	0.217	0.1	0.0017	0.0000	FLOOD RISK
480 minute winter	CARPARK 5	472	39.117	0.267	8.8	84.9176	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)
1440 minute winter	S1	1.000	S2	1.0	0.323	0.015	1.8776	
1440 minute winter	S2	1.001	SOAKAWAY	1.2	0.389	0.013	0.9859	
1440 minute winter	SOAKAWAY	Head/Flow		0.0				0.0
1440 minute winter	SOAKAWAY	Infiltration		0.1				
240 minute winter	DUMMY	2.000	CARPARK 1	0.0	-0.011	-0.002	0.0804	
240 minute winter	CARPARK 1	Infiltration		0.4				
720 minute winter	SIC2	3.000	CARPARK 2	0.0	-0.009	-0.002	0.0880	
720 minute winter	CARPARK 2	Head/Flow		0.0				0.0
720 minute winter	CARPARK 2	Infiltration		0.1				
480 minute winter	SIC3	4.000	CARPARK 3	-0.1	-0.014	-0.003	0.0880	
480 minute winter	CARPARK 3	Head/Flow		0.0				0.0
480 minute winter	CARPARK 3	Infiltration		0.2				
480 minute winter	SIC4	5.000	CARPARK 4	0.0	-0.012	-0.003	0.0880	
480 minute winter	CARPARK 4	Infiltration		0.6				
480 minute winter	SIC5	6.000	CARPARK 5	-0.1	-0.016	-0.003	0.0880	
480 minute winter	CARPARK 5	Infiltration		0.7				

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	S1	2100	38.780	0.830	0.9	0.9387	0.0000	FLOOD RISK
2160 minute winter	S2	2100	38.780	0.930	1.1	1.0518	0.0000	FLOOD RISK
2160 minute winter	SOAKAWAY	2100	38.780	1.030	1.0	51.4074	0.0000	OK
360 minute winter	DUMMY	352	38.674	0.174	0.0	0.0014	0.0000	FLOOD RISK
360 minute winter	CARPARK 1	352	38.674	0.224	3.7	25.2096	0.0000	OK
480 minute winter	SIC2	472	38.857	0.357	0.1	0.0029	0.0000	FLOOD RISK
480 minute winter	CARPARK 2	472	38.857	0.407	1.7	16.3611	0.0000	OK
480 minute winter	SIC3	472	38.724	0.374	0.1	0.0030	0.0000	FLOOD RISK
480 minute winter	CARPARK 3	472	38.724	0.424	3.3	32.6125	0.0000	OK
480 minute winter	SIC4	472	39.061	0.361	0.1	0.0029	0.0000	FLOOD RISK
480 minute winter	CARPARK 4	472	39.061	0.411	8.0	77.7613	0.0000	OK
600 minute winter	SIC5	585	39.256	0.356	0.1	0.0028	0.0000	FLOOD RISK
600 minute winter	CARPARK 5	585	39.256	0.406	9.4	113.6357	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)
2160 minute winter	S1	1.000	S2	0.8	0.298	0.013	1.9717	
2160 minute winter	S2	1.001	SOAKAWAY	1.0	0.331	0.011	0.9859	
2160 minute winter	SOAKAWAY	Head/Flow		0.0				0.0
2160 minute winter	SOAKAWAY	Infiltration		0.1				
360 minute winter	DUMMY	2.000	CARPARK 1	0.0	-0.008	0.002	0.0880	
360 minute winter	CARPARK 1	Infiltration		0.4				
480 minute winter	SIC2	3.000	CARPARK 2	-0.1	-0.011	-0.003	0.0880	
480 minute winter	CARPARK 2	Head/Flow		0.0				0.0
480 minute winter	CARPARK 2	Infiltration		0.1				
480 minute winter	SIC3	4.000	CARPARK 3	-0.1	-0.018	-0.004	0.0880	
480 minute winter	CARPARK 3	Head/Flow		0.0				0.0
480 minute winter	CARPARK 3	Infiltration		0.2				
480 minute winter	SIC4	5.000	CARPARK 4	-0.1	-0.011	-0.003	0.0880	
480 minute winter	CARPARK 4	Infiltration		0.6				
600 minute winter	SIC5	6.000	CARPARK 5	-0.1	-0.008	-0.003	0.0880	
600 minute winter	CARPARK 5	Infiltration		0.7				