

Rainfall Methodology	FEH-22	Maximum Time of Concentration (mins)	30.00	Preferred Cover Depth (m)	1.200
Return Period (years)	10	Maximum Rainfall (mm/hr)	100.0	Include Intermediate Ground	✓
Additional Flow (%)	0	Minimum Velocity (m/s)	1.00	Enforce best practice design rules	x
CV	1.000	Connection Type	Level Soffits		
Time of Entry (mins)	6.00	Minimum Backdrop Height (m)	0.200		

Name	Area (ha)	T of E (mins)	Cover Level (m)	Depth (m)	Invert Level (m)
PP1	0.034	6.00	49.450	0.700	48.750
PP2	0.057		49.350	0.700	48.650

Name	US	DS	Length	ks (mm) /	US IL	DS IL	Fall	Slope	Dia	T of C	Rain
	Node	Node	(m)	n	(m)	(m)	(m)	(1:X)	(mm)	(mins)	(mm/hr)
1.000	PP1	PP2	5.000	0.600	48.750	48.650	0.100	50.0	225	6.04	100.0

Name	Vel	Cap	Flow	US	DS	Σ Area	Σ Add	Pro	Pro
	(m/s)	(l/s)	(l/s)	Depth	Depth	(ha)	Inflow	Depth	Velocity
				(m)	(m)		(l/s)	(mm)	(m/s)
1.000	1.854	73.7	12.3	0.475	0.475	0.034	0.0	62	1.384

Link	Length	Slope	Dia	Link	US CL	US IL	US Depth	DS CL	DS IL	DS Depth
	(m)	(1:X)	(mm)	Type	(m)	(m)	(m)	(m)	(m)	(m)
1.000	5.000	50.0	225	Circular_Default Sewer Type	49.450	48.750	0.475	49.350	48.650	0.475

Link	US	Node	DS	Node
	Node	Type	Node	Type
1.000	PP1	Junction	PP2	Junction

Node	CL (m)	Depth (m)	Connections	Link	IL (m)	Dia (mm)
PP1	49.450	0.700				
			0	1.000	48.750	225
PP2	49.350	0.700				
			1	1.000	48.650	225

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)			

15	30	60	120	180	240	360	480	600	720	960	1440
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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
30 minute summer	PP1	22	48.808	0.058	4.6	0.0962	0.0000	OK
15 minute summer	PP2	14	48.799	0.149	13.1	3.2166	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute summer	PP1	1.000	PP2	4.4	0.403	0.060	0.0891
30 minute summer	PP1	Infiltration		0.2			
15 minute summer	PP2	Infiltration		5.8			

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
30 minute summer	PP1	24	48.999	0.249	22.8	1.7026	0.0000	SURCHARGED
30 minute summer	PP2	24	48.999	0.349	55.6	17.5504	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute summer	PP1	1.000	PP2	23.8	0.630	0.323	0.1989
30 minute summer	PP1	Infiltration		1.1			
30 minute summer	PP2	Infiltration		13.6			

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
60 minute summer	PP1	42	49.076	0.326	19.7	2.9078	0.0000	SURCHARGED
60 minute summer	PP2	42	49.076	0.426	57.8	25.3840	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute summer	PP1	1.000	PP2	30.9	0.816	0.420	0.1989
60 minute summer	PP1	Infiltration		1.4			
60 minute summer	PP2	Infiltration		13.7			