

Design Settings

Rainfall Methodology	FEH-22	Maximum Time of Concentration (mins)	30.00	Preferred Cover Depth (m)	0.400
Return Period (years)	1	Maximum Rainfall (mm/hr)	50.0	Include Intermediate Ground	✓
Additional Flow (%)	0	Minimum Velocity (m/s)	1.00	Enforce best practice design rules	✓
CV	0.750	Connection Type	Level Soffits		
Time of Entry (mins)	5.00	Minimum Backdrop Height (m)	0.200		

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)	Invert Level (m)
1	0.004	5.00	12.900	450	275670.241	197547.454	0.550	12.350
2	0.004	5.00	12.950	450	275679.885	197540.444	0.725	12.225
3			12.840	450	275684.632	197542.878	0.670	12.170
5			12.752	450	275688.744	197549.586	0.667	12.085
6 - Existing Sewer Manhole			12.842	450	275687.870	197555.275	0.810	12.032
Attenaution Tank		5.00	12.752		275689.646	197549.151	0.642	12.110

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	11.923	95.4	150	Circular	12.900	12.350	0.400	12.950	12.225	0.575
1.001	5.335	97.0	150	Circular	12.950	12.225	0.575	12.840	12.170	0.520
1.002	7.868	92.6	150	Circular	12.840	12.170	0.520	12.752	12.085	0.517
1.003	5.756	108.6	150	Circular	12.752	12.085	0.517	12.842	12.032	0.660

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	5	450	Manhole	Adoptable
1.003	5	450	Manhole	Adoptable	6 - Existing Sewer Manhole	450	Manhole	Adoptable

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)
2.000	1.001	40.1	150	Circular	12.752	12.110	0.492	12.752	12.085	0.517

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
2.000	Attenauton Tank		Junction		5	450	Manhole	Adoptable

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
1	275670.241	197547.454	12.900	0.550	450		0	1.000	12.350	150
2	275679.885	197540.444	12.950	0.725	450		1	1.000	12.225	150
3	275684.632	197542.878	12.840	0.670	450		0	1.001	12.225	150
							1	1.001	12.170	150
5	275688.744	197549.586	12.752	0.667	450		1	2.000	12.085	150
							2	1.002	12.085	150
							0	1.003	12.085	150
6 - Existing Sewer Manhole	275687.870	197555.275	12.842	0.810	450		1	1.003	12.032	150

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
Attenauton Tank	275689.646	197549.151	12.752	0.642			0	2.000	12.110	150

Simulation Settings

Rainfall Methodology	FEH-22	Analysis Speed	Normal	Additional Storage (m ³ /ha)	20.0	Check Discharge Volume	x
Rainfall Events	Singular	Skip Steady State	x	Starting Level (m)			
Summer CV	0.750	Drain Down Time (mins)	240	Check Discharge Rate(s)	x		

Storm Durations

15	30	60	120	180	240	360	480	600	720	960	1440
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Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
100	30	10	0

Node 5 Online Orifice Control

Flap Valve	x	Invert Level (m)	12.085	Design Flow (l/s)	1.0	Discharge Coefficient	0.600
Replaces Downstream Link	x	Design Depth (m)	0.667	Diameter (m)	0.024		

Node Attenauton Tank Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	12.110
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.96	Time to half empty (mins)	28

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	2.0	2.0	0.320	2.0	3.6	0.321	0.0	3.6