



Design Settings

Rainfall Methodology	FEH-22	Time of Entry (mins)	3.00	Connection Type	Level Soffits	Enforce best practice design rules ✓
Return Period (years)	100	Maximum Time of Concentration (mins)	3.00	Minimum Backdrop Height (m)	0.200	
Additional Flow (%)	0	Maximum Rainfall (mm/hr)	50.0	Preferred Cover Depth (m)	1.200	
CV	1.000	Minimum Velocity (m/s)	1.00	Include Intermediate Ground	✓	

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Width (mm)	Depth (m)
RWP-1	0.003	3.00	41.500			0.600
RWP-2	0.003	3.00	41.500			0.600
CHANNEL	0.002	3.00	41.500			0.600
SWMH-01			41.500	1200	1235	1.900
CWMH-01			41.500	1200		1.920

Links (Results)

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)
PIPE 1	1.223	9.6	0.0	0.500	0.694	0.003	0.0	0	0.000
PIPE 2	1.223	9.6	0.0	0.500	0.569	0.003	0.0	0	0.000
PIPE 3	1.223	9.6	0.0	0.500	0.546	0.002	0.0	0	0.000
PIPE 4	1.092	8.6	0.0	1.800	1.820	0.008	0.0	0	0.000

Manhole Schedule

Node	CL (m)	Depth (m)	Dia (mm)	Width (mm)	Connections	Link	IL (m)	Dia (mm)	
RWP-1	41.500	0.600			◦				
					0	PIPE 1	40.900	100	
RWP-2	41.500	0.600			◦				
					0	PIPE 2	40.900	100	
CHANNEL	41.500	0.600			◦				
					0	PIPE 3	40.900	100	
SWMH-01	41.500	1.900	1200	1235		1	PIPE 3	40.854	100
						2	PIPE 2	40.831	100
						3	PIPE 1	40.706	100
						0	PIPE 4	39.600	100
CWMH-01	41.500	1.920	1200		○	1	PIPE 4	39.580	100



Node SWMH-01 Online Hydro-Brake® Control

Flap Valve	x	Design Depth (m)	1.085	Sump Available	✓	Min Node Diameter (mm)	1200
Replaces Downstream Link	✓	Design Flow (l/s)	0.8	Product Number	CTL-SHE-0041-8000-1085-8000		
Invert Level (m)	39.600	Objective	(HE) Minimise upstream storage	Min Outlet Diameter (m)	0.075		