

Design Settings

Rainfall Methodology	FSR	Maximum Time of Concentration (mins)	30.00
Return Period (years)	1	Maximum Rainfall (mm/hr)	50.0
Additional Flow (%)	0	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)	1.200
CV	1.000	Include Intermediate Ground	✓
Time of Entry (mins)	5.00	Enforce best practice design rules	✓

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Depth (m)
Plot 1	0.090	5.00	74.880	1200	1.880
Plot 2	0.080	5.00	74.800	1200	1.800
Plot 3-9 Road	0.120	5.00	74.000	1200	3.000

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
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Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
1	0	0	0
30	0	0	0
100	45	0	0

Node Plot 1 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.09340	Safety Factor	2.0	Invert Level (m)	73.000
Side Inf Coefficient (m/hr)	0.09340	Porosity	0.95	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	6.0	0.0	1.200	6.0	0.0	1.201	0.0	0.0

Node Plot 2 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.09324	Safety Factor	2.0	Invert Level (m)	73.000
Side Inf Coefficient (m/hr)	0.09324	Porosity	0.95	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	6.0	0.0	1.200	6.0	0.0	1.201	0.0	0.0

Node Plot 3-9 Road Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.09340	Safety Factor	2.0	Invert Level (m)	71.000
Side Inf Coefficient (m/hr)	0.09340	Porosity	0.95	Time to half empty (mins)	

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	70.0	0.0	2.000	70.0	0.0	2.010	0.0	0.0