

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)	17.000	Minimum Backdrop Height (m)	0.200
Ratio-R	0.400	Preferred Cover Depth (m)	1.200
CV	0.750	Include Intermediate Ground	✓
Time of Entry (mins)	5.00	Enforce best practice design rules	✓

Simulation Settings

Rainfall Methodology	FSR	Analysis Speed	Normal	2 year (l/s)	3.1
FSR Region	England and Wales	Skip Steady State	x	30 year (l/s)	5.6
M5-60 (mm)	17.000	Drain Down Time (mins)	240	100 year (l/s)	7.1
Ratio-R	0.400	Additional Storage (m³/ha)	20.0	Check Discharge Volume	✓
Summer CV	0.950	Check Discharge Rate(s)	✓	100 year 360 minute (m³)	
Winter CV	0.840	1 year (l/s)	2.4		

Storm Durations

15 | 30 | 60 | 120 | 180 | 240 | 360 | 480 | 600 | 720 | 960 | 1440

Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)	Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
1	0	0	0	30	0	0	0
2	0	0	0	100	40	0	0

Pre-development Discharge Rate

Site Makeup	Brownfield	PIMP (%)	95	Betterment (%)	50	Q 30 year (l/s)	5.6
Brownfield Method	MRM	CV	0.750	Q 1 year (l/s)	2.4	Q 100 year (l/s)	7.1
Contributing Area (ha)	0.040	Time of Concentration (mins)	5.00	Q 2 year (l/s)	3.1		