Project:	Date: 07/07/2023		
	Designed by: JoshuaS	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Phase	Company Address:		



Catchment Area

Type : Catchment Area

Area (ha)	0.085

Preliminary Sizing

Volumetric Runoff Coefficient	0.750
Percentage Impervious (%)	100
Time of Concentration (mins)	5

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.750
Winter Volumetric Runoff	0.840
Time of Concentration (mins)	5
Percentage Impervious (%)	100

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Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address:		



Soakaway

Type : Soakaway

Dimensions

Exceedance Level (m)	100.000
Depth (m)	0.694
Base Level (m)	99.306
Freeboard (mm)	0
Soakaway Shape	Rectangular
Diameter / Width (m)	5.400
Length (m)	6.000
Porosity (%)	95
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Base Infiltration Rate (m/hr)	0.87217
Side Infiltration Rate (m/hr)	0.87217
Safety Factor	2.0
Total Volume (m^3)	21.361

Inlets

Inlet

Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction

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Report Title: Rainfall Analysis Criteria	Company Address:		

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	0
Junction Flood Risk Margin (mm)	300
Perform No Discharge Analysis	☐

Rainfall

FSR

Type: FSR

Region	England And Wales
M5-60 (mm)	19.0
Ratio R	0.350
Summer	☑
Winter	☑

Return Period

Return Period (years)	Increase Rainfall (%)
100.0	30.000

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200
720	1440
960	1920
1440	2880
2160	4320
2880	5760
4320	8640
5760	11520
7200	14400
8640	17280
10080	20160

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Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Company Address:		

Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. Avg. Level (m)	Max. Avg. Depth (m)	Max. Resident Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
Soakaway	FSR: 100 years: +30 %: 60 mins: Winter	99.953	0.647	19.935	39	6.675	OK

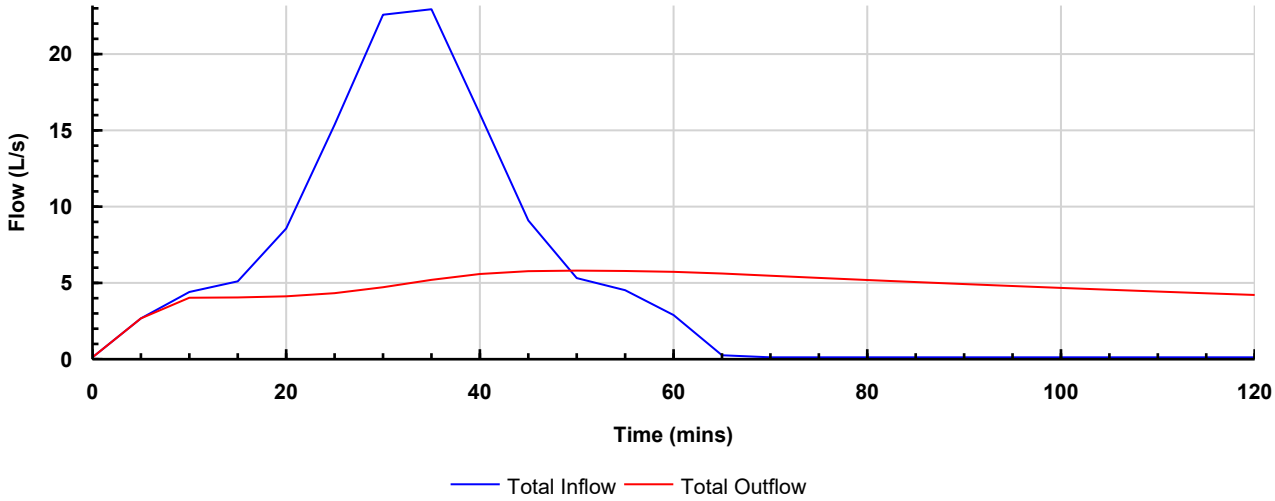
Project:	Date: 07/07/2023		
	Designed by: JoshuaS	Checked by:	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Phase	Company Address:		

Soakaway
Critical Storm: FSR: 100 years: Increase Rainfall (%): +30: 60 mins: Winter

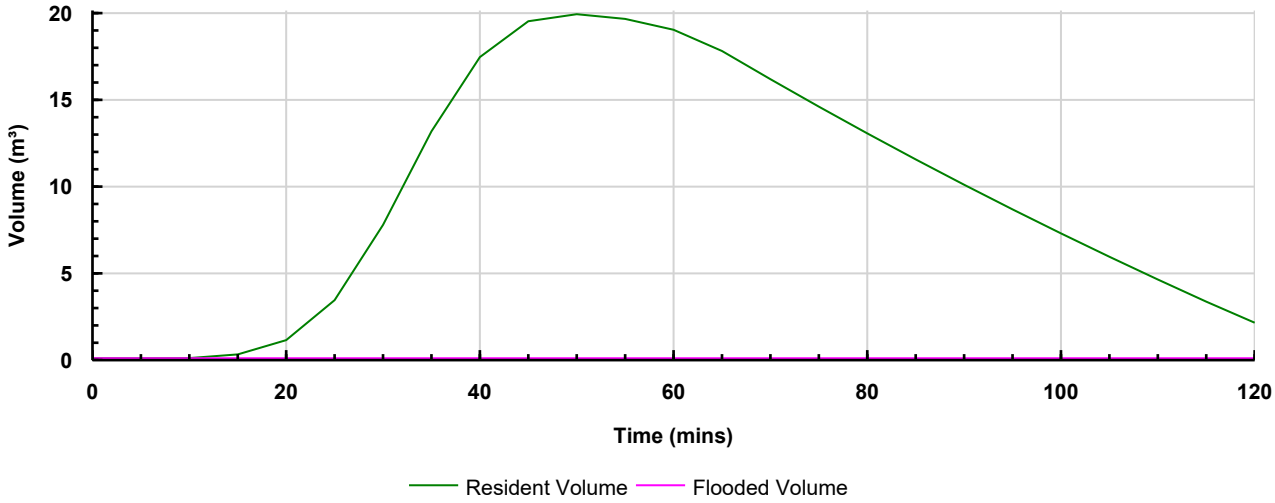
Type : Soakaway

Graphs

Flow Graph



Volume Graph



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