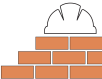


Project:: 26 Wargrave Road	Date: 02/07/2025			Flood & Civil 
	Designed by: JZ	Checked by: MB	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	Company:: FLood & Civil Ltd			



Catchment Area

Type : Catchment Area

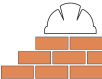
Area (ha)	0.028
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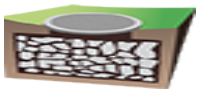
Preliminary Sizing

Volumetric Runoff Coefficient	0.900
Percentage Impervious (%)	100
Time of Concentration (mins)	5

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric	0.900
Winter Volumetric	0.900
Time of	5
Percentage	100

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Soakaway

Type : Soakaway

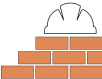
Dimensions

Exceedance Level (m)	41.400
Depth (m)	1.550
Base Level (m)	39.850
Freeboard (mm)	750
Soakaway Shape	Rectangular
Diameter / Width (m)	4.000
Length (m)	5.000
Porosity (%)	95
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Base Infiltration Rate (m/hr)	0.16
Side Infiltration Rate (m/hr)	0.16
Safety Factor	3.0
Total Volume (m³)	15.200

Inlets

Inlet

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

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Report Details: Type: Network Design Criteria Storm Phase: Phase	Company:: FLood & Civil Ltd			

Flow Options

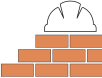
Peak Flow Calculation	(UK) Modified Rational Method
Min. Time of Entry (mins)	5
Max. Travel Time (mins)	30

Pipe Options

Lock Slope Options	None
Design Options	Minimise Excavation
Design Level	Level Soffits
Min. Cover Depth (m)	1.200
Min. Slope (1:X)	500.00
Max. Slope (1:X)	40.00
Min. Velocity (m/s)	1.0
Max. Velocity (m/s)	3.0
Use Flow Restriction	☐
Reduce Channel Depths	☐

Manhole Options

Apply Offset	☐
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Project:: 26 Wargrave Road	Date: 02/07/2025			Flood & Civil 
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Report Title: Rainfall Analysis Criteria	Company:: FLood & Civil Ltd			

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
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Region	England And Wales
M5-60 (mm)	19.1
Ratio R	0.400
Summer	☒
Winter	☒

Return Period

Return Period (years)	Increase Rainfall (%)
1.0	0.000
30.0	0.000
100.0	0.000
100.0	40.000

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

Project:: 26 Wargrave Road	Date: 02/07/2025		
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Report Details: Type: Inflows Summary Storm Phase: Phase	Company:: FLood & Civil Ltd		



FSR: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FSR: 1 years: +0 %: 15 mins: Summer	0.03	4.1	1.870

Project:: 26 Wargrave Road	Date: 02/07/2025		
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FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FSR: 30 years: +0 %: 15 mins: Summer	0.03	10.2	4.582

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FSR: 100 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Inflow

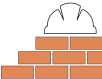
Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FSR: 100 years: +0 %: 15 mins: Summer	0.03	13.2	5.936

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Report Details: Type: Inflows Summary Storm Phase: Phase	Company:: FLood & Civil Ltd		



FSR: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

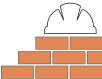
Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FSR: 100 years: +40 %: 15 mins: Summer	0.03	18.4	8.309

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Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Company:: FLood & Civil Ltd			



FSR: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Avg. Depth

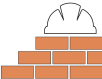
Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. Avg. Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Soakaway	FSR: 1 years: +0 %: 60 mins: Winter	39.955	39.955	39.955	0.105	0.105	2.0	1.987	0.000	0.0	0.000	86.926	OK

Project:: 26 Wargrave Road	Date: 02/07/2025			Flood & Civil 
	Designed by: JZ	Checked by: MB	Approved By:	
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Company:: FLood & Civil Ltd			



FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Avg. Depth

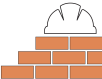
Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. Avg. Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Soakaway	FSR: 30 years: +0 %: 120 mins: Winter	40.197	40.197	40.197	0.347	0.347	3.1	6.584	0.000	0.0	0.000	56.686	OK

Project:: 26 Wargrave Road	Date: 02/07/2025			Flood & Civil 
	Designed by: JZ	Checked by: MB	Approved By:	
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Company:: FLood & Civil Ltd			



FSR: 100 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. Avg. Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Soakaway	FSR: 100 years: +0 %: 180 mins: Winter	40.338	40.338	40.338	0.488	0.488	3.0	9.274	0.000	0.0	0.000	38.984	OK

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Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Company:: FLood & Civil Ltd			



FSR: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. Avg. Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Soakaway	FSR: 100 years: +40 %: 180 mins: Winter	40.593	40.593	40.593	0.743	0.743	4.2	14.110	0.000	0.0	0.000	7.174	OK