

Project: Fairfield Court Brookland Tn29 9RX	Date: 29/05/2026		
	Designed by: DAM	Checked by:	Approved By:
	Report Details: Type: Stormwater Controls Storm Phase: Phase		
Company Address: 43a Chertsey Road Woking Gu21 5AJ			



Porous Paving

Type : Porous Paving

Dimensions

Exceedance Level (m)	2.030
Depth (m)	0.450
Base Level (m)	1.580
Paving Layer Depth (mm)	120
Membrane Percolation (m/hr)	0.4
Porosity (%)	30
Length (m)	67.000
Long. Slope (1:X)	98.00
Width (m)	56.548
Total Volume (m³)	375.085

Advanced

Base Infiltration Rate (m/hr)	0.015
Side Infiltration Rate (m/hr)	0.015
Safety Factor	2.0
Conductivity (m/hr)	100.0

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	Report Details: Type: Inflow Summary Storm Phase: Phase		
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Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Existing Building 1	Porous Paving		Time of Concentration	0.003	100	0	100	0.003
Existing Building 2	Porous Paving		Time of Concentration	0.005	100	0	100	0.005
Existing Building 3	Porous Paving		Time of Concentration	0.007	100	0	100	0.007
Porous Hardstanding	Porous Paving		Time of Concentration	0.379	100	0	100	0.379
The Barn	Porous Paving		Time of Concentration	0.017	100	0	100	0.017
The Cottage	Porous Paving		Time of Concentration	0.018	100	0	100	0.018
The Manor	Porous Paving		Time of Concentration	0.024	100	0	100	0.024
TOTAL		0.0		0.453				0.453

Project: Fairfield Court Brookland Tn29 9RX		Date: 29/05/2026			
Report Details: Type: Network Design Criteria Storm Phase: Phase		Designed by: DAM	Checked by:		Approved By:
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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: Fairfield Court Brookland Tn29 9RX	Date: 29/05/2026		
	Designed by: DAM	Checked by:	Approved By:
	Report Title: Rainfall Analysis Criteria		
		Company Address: 43a Chertsey Road Woking Gu21 5AJ	



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

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FEH: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. US Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Porous Paving	FEH: 30 years: +40 %: 120 mins: Winter	2.498	1.694	0.234	0.114	71.8	154.262	0.000	112.435	0.0	0.000	58.873	OK

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Company Address: 43a Chertsey Road Woking Gu21 5AJ					



FEH: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. US Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Porous Paving	FEH: 100 years: +45 %: 240 mins: Winter	2.575	1.741	0.311	0.161	56.0	212.339	0.000	225.117	0.0	0.000	43.389	OK