

DRAINAGE REPORT

IN SUPPORT OF

THE CONSTRUCTION OF A NEW DWELLING

IN

GARDEN LAND OF NO.144 ST EDITHS MARSH

PREPARED BY

BRETT MARTIN LTD



Rev -

May 2026

Mark Burbidge: Paddock View 144B St Ediths Marsh, Bronham SN15 2DG	Date: 07/01/2026		
	Designed by: GF	Checked by: MS	Approved By:
Report Details: Type: Inflows Storm Phase: Phase	Brett Martin Ltd: Speedwell Industrial Estate Stephenson Road Staveley S43 3JP		



Catchment Area

Type : Catchment Area

Area (ha)	0.022
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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	Brett Martin Ltd: Speedwell Industrial Estate Stephenson Road Staveley S43 3JP		



Cellular Storage

Type : Cellular Storage

Dimensions	
Exceedance Level (m)	0.600
Depth (m)	0.347
Base Level (m)	-0.347
Number of Crates Long	7
Number of Crates Wide	9
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	1.2
Crate Width (m)	0.6
Crate Height (m)	0.347
Total Volume (m³)	15.553
Inlets	
Inlet	
Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area
Bypass Destination	(None)
Capacity Type	No Restriction
Advanced	
Base Infiltration Rate (m/hr)	0.0045
Side Infiltration Rate (m/hr)	0.0045
Safety Factor	1.0

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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)
Catchment Area	Cellular Storage		Time of Concentration	0.022	100	0	100	0.022
TOTAL		0.0		0.022				0.022

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Report Title: Rainfall Analysis Criteria	Brett Martin Ltd: Speedwell Industrial Estate Stephenson Road Staveley S43 3JP		



Runoff Type	Dynamic
Output Interval (mins)	1
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)	21.0
Ratio R	0.400
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
240	480
360	720
480	960
960	1920
1440	2880
10080	20160

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

Stormwater Control	Storm Event	Max. Avg. Level (m)	Max. Avg. Depth (m)	Max. Residual Volume (m³)	Percentage Available (%)	Status
Cellular Storage	FSR: 100 years: +30 %: 960 mins: Winter	0.384	0.731	15.334	1.410	OK

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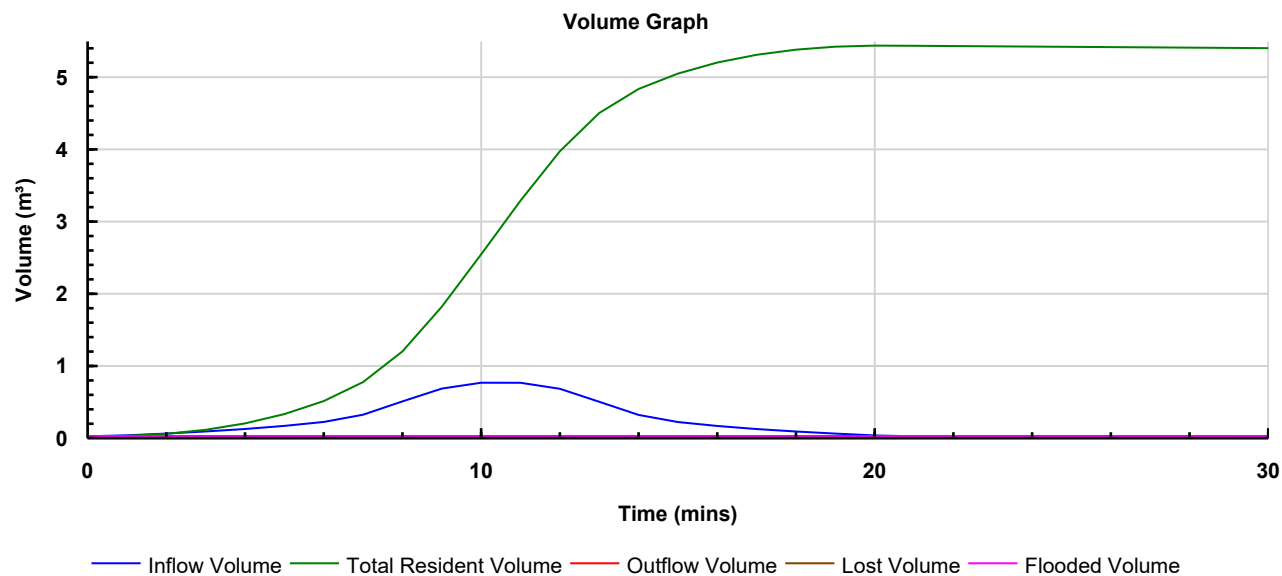
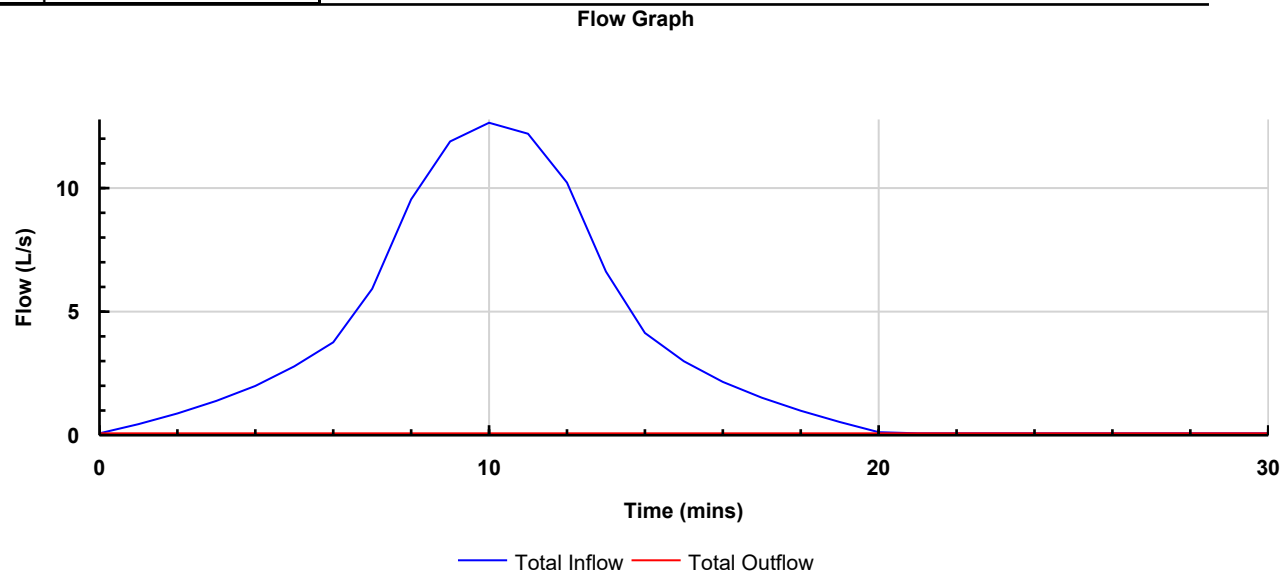
Phase

FSR: 100 years: Increase Rainfall (%): +30: 15 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
TOTAL	12.6	5.507	0.0	0.000

Graphs



Mark Burbidge: Paddock View 144B St Ediths Marsh, Bronham SN15 2DG	Date: 07/01/2026		
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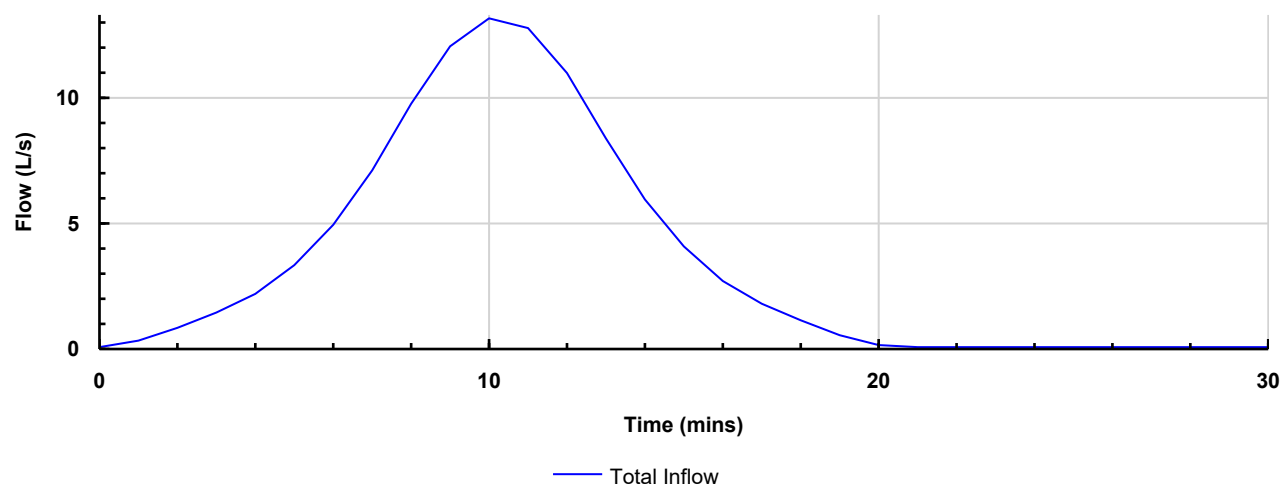
Catchment Area
Critical Storm: FSR: 100 years: Increase Rainfall (%): +30: 15 mins: Winter

Type : Catchment Area

Inflow	
Max. Inflow (L/s)	13.2
Total Inflow Volume (m³)	6.170

Graphs

Flow Graph



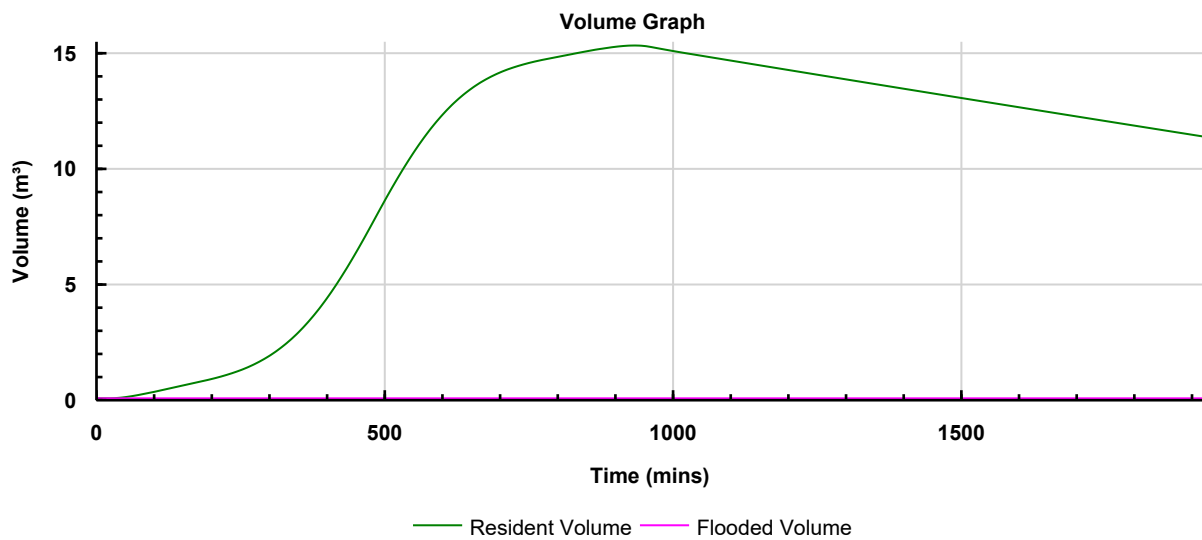
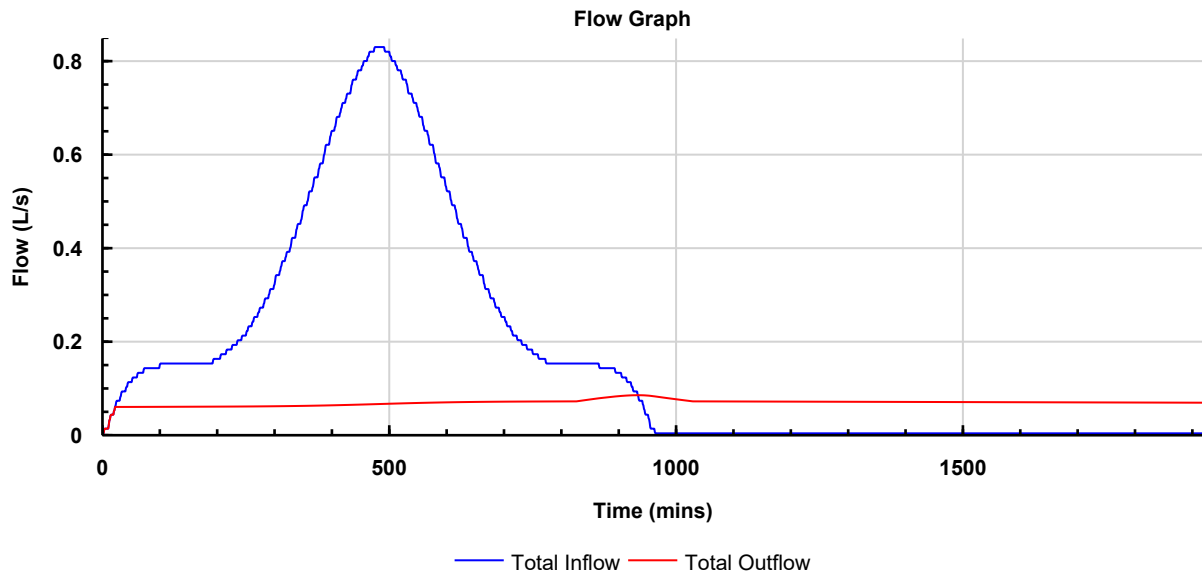
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Cellular Storage
Critical Storm: FSR: 100 years: Increase Rainfall (%): +30: 960 mins: Winter

Type : Cellular Storage

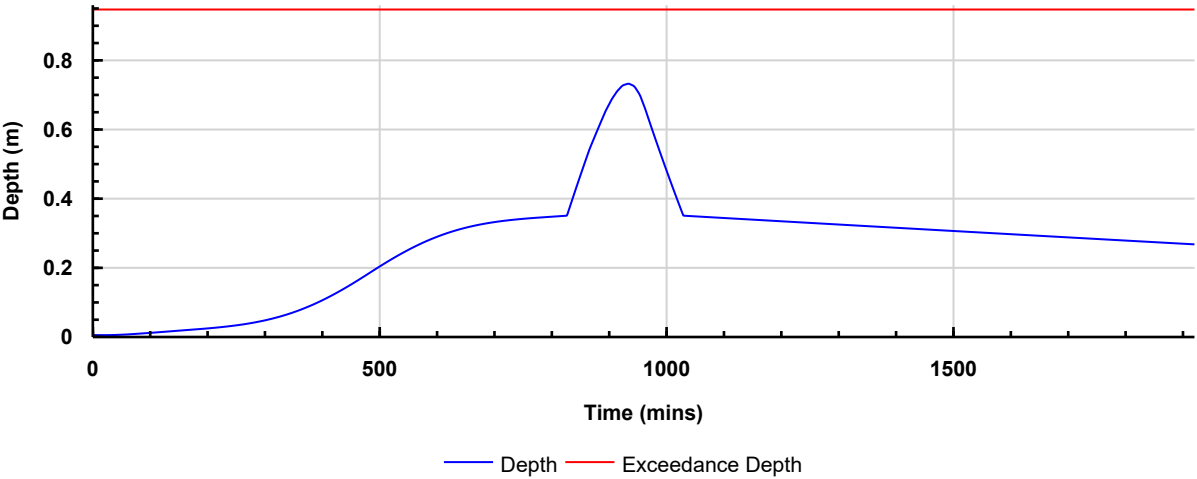
Graphs



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Depth Graph





Quotation Number	Q2330959-2
Order Account	02007-024
Client Name	TECHNICAL QUOTATION (*SAM AUSTIN*)
Site Reference	
Date	28/04/2026



QuoteLine

Thank you for the opportunity to quote
you on your upcoming project.

Dear Customer,

Every effort has been made to ensure this estimate is accurate and it is based on the drawing(s) supplied. It is advised that all items and quantities are checked prior to placing an order.

Should you require any further information, please contact us on **bptechnical@brettmartin.com** or **01246 280000**.

Next Steps:



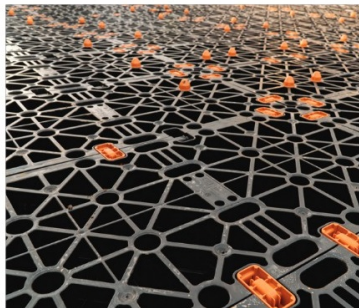
Check your quotation carefully.



If you are happy with the quote, raise a purchase order showing the quotation number and send it to **bpsales@brettmartin.com**.



If you need amendments, please send these to **bptechnical@brettmartin.com** and we will adjust your quotation accordingly.



Invoice To:

TECHNICAL QUOTATION (*SAM AUSTIN*)
Brett Martin Building Products Ltd
Brierley Close
Speedwell Industrial Estate,
Staveley
CHESTERFIELD
Derbyshire
S43 3JP
GBR

Deliver To:

TECHNICAL QUOTATION (*SAM AUSTIN*)
Brett Martin Building Products Ltd
Brierley Close
Speedwell Industrial Estate,
Staveley
CHESTERFIELD
Derbyshire
S43 3JP
GBR

Brett Martin Plumbing & Drainage

Speedwell Ind Estate
Staveley
Derbyshire
S43 3JP
VAT Reg No: 760987585
EORI: GB 760987585000
t. 01246 280000
f. 01246 280001

Created Date	Order account	Requisition	Quote Valid Until	Sales Person
28/04/2026	02007-024		30/04/2026	Marcin Stefaniszyn

Description	Quantity	Unit price	Disc. (%)	Net price	Amount
B8250 Tank as Drawn: 8.40m x 5.40m x 0.35m = 15.74m³ Proposed Tank Size using Brett Martin Stormcrate55 8.40m x 5.40m x 0.347m = 15.74m³ Consisting of: 7 crates x 9 crates x 1 crates = 63 crates	63.00	£ 36.0000 ea	0.00	£ 36.0000 ea	£ 2,268.00
BRETT Geo-textile membrane & tapes for soakaway consisting of: 1nr TNW 2.25M X 50M (112.5m²)	1.00	£ 175.0600 ea	0.00	£ 175.0600 ea	£ 175.06

Net amount: £ 2,443.06
VAT: £ 488.61

Total: £ 2,931.67

Subject to our August 2019 T&Cs E& OE

Prices: Valid for 2 days from the date of this quotation.
Minimum order value applies

DISCLAIMER: PLEASE READ CAREFULLY

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3. It is the responsibility of the user to ensure that the product is suitable for its intended purpose and that actual conditions of use are appropriate. The user assumes all risk and liability in connection with the use of our products.
4. For all StormCrate applications, it is essential to conduct structural and hydraulic calculations prior to installation, with some applications requiring additional analysis. Brett Martin Ltd will not accept responsibility for ensuring that these calculations are completed. It is the customer's responsibility to ensure that a suitably qualified and competent individual is appointed to carry out these calculations and to validate the site against StormCrate product performance for each application or project. Brett Martin Ltd does not conduct these calculations before providing quotes or product information.
5. When a product is priced based on a drawing that references other manufacturer's products, Brett Martin Ltd will provide a quote for similar products we supply, which may differ in size, performance, certification, or other aspects to the other manufacturer's products. It is the customer's responsibility to confirm that the proposed products meet the intended application requirements.
6. All prices quoted are based on current trade list prices at the time of quotation and are subject to change. We recommend that customers reconfirm prices before placing an order. Although every effort is made to provide accurate estimates, they are based on the drawings and information provided. We advise that all items and quantities are checked thoroughly before placing an order.
7. Brett Martin Ltd follows a policy of continuous product development and reserves the right to amend product specifications without prior notice.