APPENDIX B

SITE INVESTIGATION REPORT

INTERPRETATIVE SITE INVESTIGATION

constructiveevaluation
site investigation • building pathology

At

Ramsbury Manor, Marlborough

On behalf of

The Ramsbury Manor Foundation

PROJECT REFERENCE: GI24.1109

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constructiveevaluation
site investigation • building pathology

Interpretative Site Investigation Report

by

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Foreword

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1.0 Introduction

In September 2024 Constructive Evaluation (CE) Limited was commissioned by Greenwood Projects on behalf of The Ramsbury Manor Foundation (the Client) to carry out a Site Investigation at Ramsbury Manor, Marlborough, SN8 2RG hereafter referred to as the "site".

The purpose of this investigation and report is to provide geotechnical design parameters and hydrogeological information for the encountered strata in order to aid in foundation design, drainage design, and pavement design for the proposed development of a collection of new buildings intended for use as stores and workshops with parking and an access road.

Attention is drawn to the fact that whilst every effort has been made to ensure the accuracy of the data supplied and any analysis derived from it, there is a potential for variations in ground and groundwater conditions between and beyond the specific locations investigated. No liability can be accepted for any such variations. Furthermore, any recommendations are specific to the Client's requirements as detailed herein and no liability will be accepted should these be used by third parties without prior consultation with Constructive Evaluation Ltd.

1.1 Summary of Site Investigation

An outline of the intrusive works instructed are summarised below:

- Two windowless sampler (WLS) boreholes to a maximum depth of 8.0mbgl/refusal, with standard penetration testing (SPT) at 1 metre intervals,
- One cable percussive (CP) borehole to a maximum depth of 8.0mbgl/refusal, with alternating SPT and U100 sampling at 1 metre intervals and changing into 1.5 metre intervals after 5.0m bgl,
- Two soil infiltration tests within mechanically excavated trial pits to 2.0mbgl in accordance with BRE Digest 365 standards,
- Eight hand excavated trial pits to 0.50m bgl for CBR laboratory testing,
- Soil sampling for geotechnical laboratory testing.

2.0 Site Background

2.1 Published Geology

Reference to the publications of the British Geological Survey (BGS), indicate the site is underlain by bedrock of the Seaford Chalk Formation. Superficial deposits for the area are recorded as the Beenham Grange Gravel Member and Head Deposits.

Beenham Grange Gravel Member – Gravel, variably sandy and clayey. Sedimentary superficial deposit formed between 116 and 11.8 thousand years ago during the Quaternary period.

Head Deposits – Clay, silt, sand and gravel. Sedimentary superficial deposit formed between 2.588 million years ago and the present during the Quaternary period.

Seaford Chalk Formation – Firm white chalk with visible semi-continuous nodular and tabular flint seams. Hardgrounds and thin marls are known from the lowest beds. Some flint nodules are large to very large. Sedimentary bedrock formed between 89.8 and 83.6 million years ago during the Cretaceous period.

2.2 Dissolution Features

Dissolution features are caused by the passing of higher acidity ground water through fissures within calcium carbonate rich rocks such as chalk. Features such as these are generally located on the edges of chalk outcrops and closely associated with the presence of overlying higher acidity clay deposits such as the Lambeth Group and Clay-with-Flints. The pH of the ground water is increased as it passes through the superficial deposits causing the underlying calcareous rock to dissolve increasing the size of the fissures and causing voids to grow. These voids can become infilled with poorly consolidated materials which are generally of a lower density than the surrounding chalk. Should water discharge through them at a later stage then the infill can wash out and a void appear, causing potential collapses. Consequently, dissolution features pose a hazard to foundations and the likelihood of some, or all the below hazards should be assessed:

- Very large lateral variations in chalk level, e.g. absent at founding level,
- Loose and metastable superficial deposits, or cavities within superficial deposits overlying pipes and collapses,
- Caves within the chalk,
- Dissolution-widened discontinuities in the chalk affecting its load-carrying behaviour,
- Loose and metastable chalk caused by collapse, e.g. cave collapse.

Destabilisation of metastable deposits can induce upward micro-void migration and general reconsolidation of the material to a higher bulk density. These movements finally lead to the appearance of a depression or subsidence sinkhole at the ground surface. Similarly, destabilisation of a metastable cavity results in the upward migration reaching the surface and producing a sinkhole. Should features such as soft spots or deep areas of silt, sand or clay be identified within the chalk during the future works on site, then an assessment and investigation should be conducted to better understand the extent of the feature(s) and identify the remedial options.

2.3 Physical Site Setting

Based on Ordnance Survey 1:25000 maps of the area, the subject site is located 850m west of Ramsbury within Marlborough, SN8 2RG. It has an approximate grid reference of SU 25983 71390 with an approximate area of 1.7 hectares. The site was accessed via White's Hill Road from the southeast. Approximately 1km west of the small village of Ramsbury, the site lies within a rural setting surrounded by ancient woodland (Oldfield Copse and Lashes Copse) to the northwest, open natural fields and some arable fields to the north. The River Kennet runs east to west and has formed a small natural lake approximately 280m to the south of the site. The Site Location Plan is presented within **Figure 1**.

Based on Ordnance Survey maps and aerial photography of the area, the investigation area occupies the southeast corner of an approximately rhombus-shaped grass covered field. The site slopes south-eastward from approximately 134m AOD to 123m AOD resulting in a gradient of approximately 4.5 degrees.

The majority of the site is covered by grass except for a private drive passing east to southwest within the nearside of the southern boundary, the road comprises blacktop and is bordered by a row of trees along both sides along its length. The trees noted are of mature deciduous nature, but the species were unknown. Additionally, a pair of mature deciduous trees occupy the northwest corner of the investigation area, and a series of individual deciduous trees were recorded south of the private drive.

No surface water features, ditches or drain runs were recorded on site or in the local vicinity.

The site is bound by a thick tree line bordering White's Hill road to the north, by the junction between White's Hill road and the private drive to the east, and by open grassy and sporadic mature trees to the south and west.

Site Photographs are presented in **Appendix A**.

2.4 Historic Data

BGS records indicate a borehole (SU27SE4) at Manor Farm located approximately 75m to the east of the site. A summary of the borehole is presented within Table 1.

The historic borehole log is presented within **Appendix B**.

Table 1: Borehole SU27SE4 Summary (1938)

Material	Thickness (m)	Top Depth (m)	Bottom Depth (m)
Soil	0.22	0.0	0.22
Yellow Chalk and Flint	0.91	0.22	1.13
White Chalk with Flints	75.7	1.13	76.2
Blue and Yellow Marl	56.0	76.2	132.2
Green Sand	6.0	132.2	138.2

3.0 Fieldwork

The following intrusive works were carried out over three day shifts between 17/09/2024 and 19/09/2024, supervised by an Engineering Geologist from CE:

- Two windowless sampler boreholes (WLS1 and WLS2) to a maximum depth of 8.0mbgl,
- One cable percussive borehole (CP1) with alternating SPT and U100 sampling to a maximum depth of 8.0mbgl,
- Two mechanically excavated trial pits (TP1 and TP2) to a maximum depth of 2.0m bgl for soil infiltration testing,
- Eight manually excavated trial pits (TP3 to TP10) to a maximum depth of 0.50mbgl,
- Soil sampling for geotechnical and environmental laboratory testing.

The Site Investigation Plan showing the final exploratory positions is provided in **Figure 2.**

The ground investigation was undertaken in accordance with the scope of works agreed with our Client and in relation to statutory guidance including BS5930:2015+A1:2020 Code of Practice for Ground Investigations and BS10175: 2011+A2: 2017 Investigation of Potentially Contaminated Sites: Code of Practice.

3.1 Soil Sample Collection

All intrusive locations were logged, visual and/or olfactory evidence of contamination noted, and representative soil samples removed in accordance with current protocol for geotechnical parameters.

4.0 Ground Conditions

4.1 In-situ Stratigraphical Units

The following table provides a summary of encountered geological strata within the site.

Table 2: Summary of In-situ Stratigraphical Units.

Material	Top Depth (min/max) (m bgl)	Base Depth (min/max) (m bgl)	Description
Topsoil	0.00	0.30	Grass over brown slightly gravelly sandy CLAY.
Head Deposits	0.35	0.70/2.10	Brown slightly gravelly clayey SAND. Soft brown mottled white gravelly CLAY.
Seaford Chalk Formation (CIRIA Grade Dm)*	0.70	2.00	Structureless CHALK recovered as white silty sandy GRAVEL.
Seaford Chalk Formation (CIRIA Grade Undetermined)	0.70/2.10	8.00#	Structureless CHALK recovered as white slightly gravelly sandy SILT.

Note: * = Trial Pits only, # = base of investigation

The ground conditions comprised topsoil across the site to a maximum depth of 0.35m bgl, comprised of slightly gravelly sandy clay. Underlying the topsoil in all locations were Head Deposits comprising either a slightly gravelly clayey sand or gravelly clay to a maximum depth of 2.1m bgl. Within WLS1 Head deposits are observed to 2.1m bgl, and in WLS2 to 1.2m bgl. Within TP1, the Head Deposits were comprised of slightly sandy clayey gravel to 0.7m bgl.

The Seaford Chalk Formation underlies the Head Deposits in the boreholes and the mechanical trial pits to the base of the investigation at 8.0m bgl. The remaining trial pits did not extend deep enough to encounter the Seaford Chalk Formation. Within the trial pits the chalk was recovered as white silty sandy gravel with the gravels being of flint supported within a silt matrix, resulting in a CIRIA Grade of Dm.

The dynamic nature of the drilling methods employed for the boreholes are more likely to disturb encountered chalk leading to less certainty of the in-situ conditions of the chalk and in the identification of any structure within it. Chalk recovered from the boreholes was described as possible structureless chalk recovered as slightly gravelly sandy silt CIRIA Grade Undetermined.

Stratigraphic logs are provided in **Appendix C**.

4.2 Groundwater

Groundwater was not encountered during the site works. However, it should be noted that any groundwater would not necessarily be readily observed due to the short timescale of the investigation. Furthermore, groundwater levels may vary both seasonally and in the long-term.

4.3 Field Evidence of Contamination

No visual or olfactory evidence of contamination was observed during the site investigation. Anthropogenic materials were observed throughout the shallow investigation.

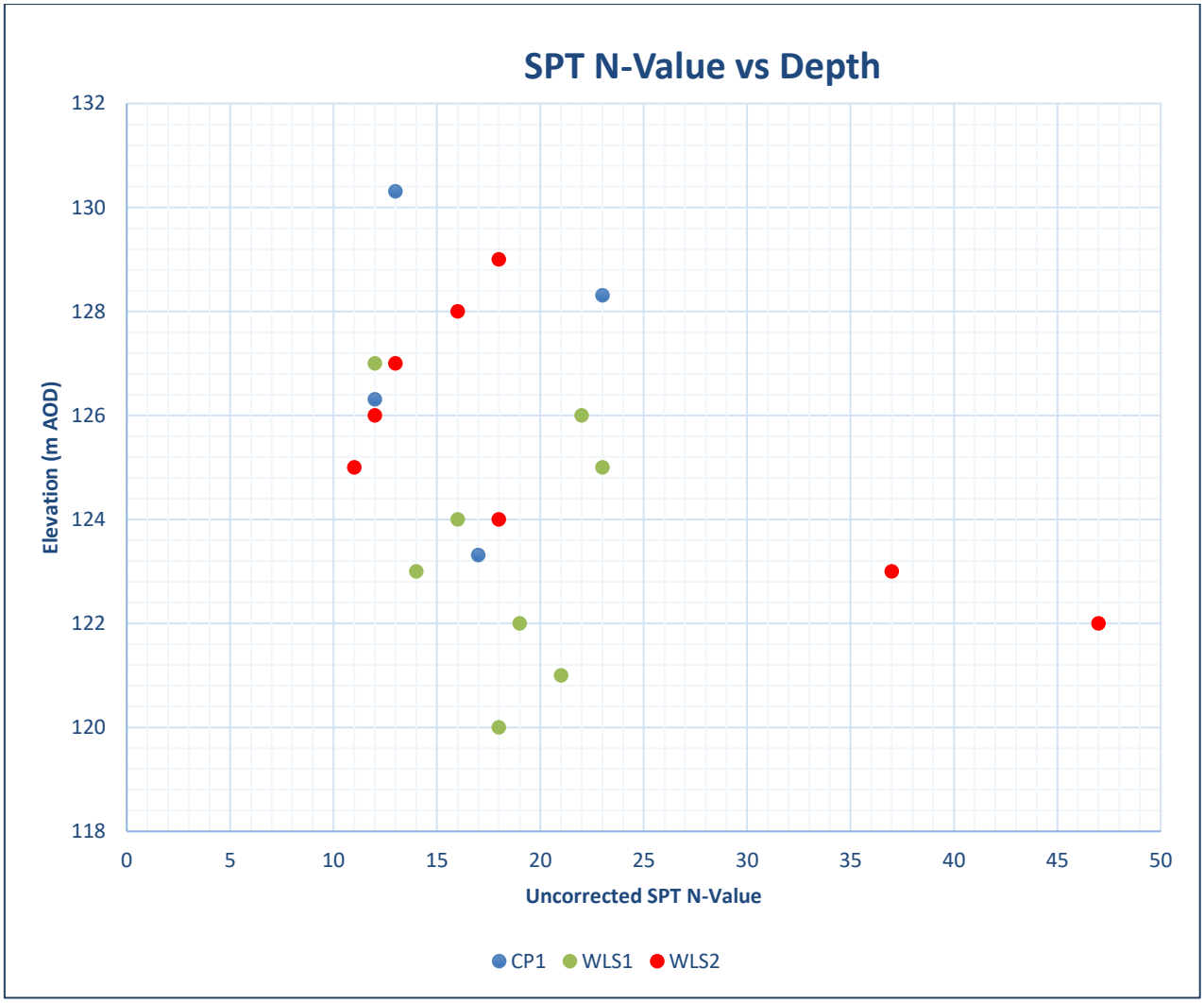
5.0 In-situ Testing

5.1 Standard Penetration Testing

Standard penetration testing (SPT) was completed throughout the drilling of boreholes WLS1 and WLS2 at 1m centres. CP1 had SPT's taken at 1m, 3m, 5m and 8mbgl alternating with U100 samples.

This form of testing is completed using a 63.5kg drop hammer weight, over a 750mm drop, measuring the blow counts for six, 75mm increments. The first two values are recorded as seating blows, with the remaining four values, added together to provide an 'N-value'.

The results of the SPT testing are presented in the graph below:



Two tests were carried out within the Head Deposits returning SPT N-values of N=12 and N=18.

18no tests were carried out with the Seaford Chalk Formation returning a range of SPT N-values between N=11 to N=47.

Whilst there is no clear correlation between SPT 'N' Values and chalk strength it is worth identifying that 'N' Values towards the base of WLS2 were considerably higher than the other recorded 'N' Values. This could indicate the presence of higher strength chalk, though it could also indicate the presence of flint.

5.2 Infiltration Testing

Infiltration testing was undertaken in accordance with BRE Digest 365 within the mechanically excavated trial pits TP1 and TP2 completed over three day shifts between 17th September to 19th September 2024, supervised by an Engineering Technician of CE. The results are outlined within Table 3.

Table 3: Infiltration Test Results

Trial Pit ID	Cycle/ Test no.	Pit Depth (m bgl)	Time at 75% (mins)	Time at 25% (mins)	Permeability Coefficient (m/s)	Drainage Conditions
TP1	1	2.00	12	102	1.70068E-05	Good
TP1	2	2.00	14.5	118	1.47885E-05	Good
TP1	3	2.00	23	116	1.591E-05	Good
TP2	1	2.00	13.5	55	3.70466E-05	Good
TP2	2	2.00	14	114	1.51246E-05	Good
TP2	3	2.00	5.5	53	3.06592E-05	Good

Both trial pits were successful in completing three full cycles of soil infiltration testing, targeting soils between 1.1m and 2.0m bgl. The testing completed within both trial pits started with infiltration rates faster than the final cycle. All infiltration results within the Seaford Chalk Formation are calculated as Good[1].

Infiltration test results are provided in **Appendix D**.

[1] Soil Mechanics in Engineering Practice. Table 14.1. Terzaghi, K., Peck, R.B., Mesri, G.

6.0 Geotechnical Laboratory Testing

6.1 Water Content and Atterberg Limits

Three samples of material were scheduled for the determination of their water content and plasticity index (PI). These were selected from Head Deposits from TP2, WLS1 and WLS2 at depths ranging from 0.5m to 1.1m bgl.

NMC values were found to range between 11-16%. Atterberg limits testing indicates liquid limit values of 27-57% and plastic limits of 16-23%. Considering the portion of the sample retained upon the 425µm sieve (31-70%) the modified plasticity index results are 7-17%.

The materials tested indicate a low to high clay plasticity classification. Using the modified plasticity index this indicates a worst-case, low volume change potential at WLS1 at 0.8m bgl in accordance with NHBC guidance, Chapter 4.2 'Building near Trees'.

The results of these tests are summarised in Table 6.

Table 6: Summary of NMC and Atterberg test results

Sample Location	Depth (m bgl)	Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Modified Plasticity Index (%)	Volume Change Potential
TP2	0.5	11.2	51	23	28	8.4	<Low
WLS1	0.8	16.0	45	20	25	17.3	Low
WLS2	1.1	12.4	27	16	11	7.4	<Low

6.2 Saturated Water Content

One sample was submitted for determination of its saturated water content. This sample was selected from chalk materials from CP1.

Results of these tests are summarised in Table 7.

Table 7: Summary of saturated moisture content test results

Sample Location	Depth (m bgl)	Natural Moisture Content (%)	Saturated Moisture Content (%)	Bulk Density (Mg/m^3)	Dry Density (Mg/m^3)	Porosity (%)
CP1	6.5-6.95	20.7	18	2.21	1.83	32

6.3 California Bearing Ratio

Seven samples of the underlying soils were scheduled for determination of their California Bearing Ratio (CBR) characteristics by means of the laboratory-soaked method. Table 8 summarises the results of these tests.

Table 8: Summary of California Bearing Ratio test results

Location ID	Depth (m bgl)	Water Content (Top) (%)	CBR Value (Top) (%)	Water Content (Base) (%)	CBR Value (Base) (%)
TP3	0.5	22	2.2	21	2.2
TP4	0.5	19	4.3	18	4.0
TP5	0.5	21	3.1	21	4.0
TP7	0.5	18	2.3	19	2.3
TP8	0.5	24	5.7	22	7.5
TP9	0.5	20	3.1	18	2.4
TP10	0.5	23	3.4	20	5.3

6.4 Sulphate and pH Analysis

The Head Deposits and Seaford Chalk Formation are not considered to contain naturally high levels of sulphates. However, when the bedrock contains sulphates, construction activities that may substantially disturb previously unweathered strata and expose sulphur minerals such as pyrite to air, water and bacteria can result in the relatively rapid oxidisation of such minerals producing high levels of sulphates.

One sample of material from the Head Deposits and one sample of material from the Seaford Chalk Formation soils were scheduled for the determination of pH, water- and acid-soluble sulphate concentration and total potential sulphate (TPS). In accordance with the BRE[2] methodology and the number of samples tested, the soil beneath the site has been classified based on the highest measured total potential sulphate contents. Results of the sulphate and pH analysis are summarised in Table 9.

Table 9: Summary of Sulphate and pH test results

Location ID	Depth (m bgl)	pH	Total Acid Soluble Sulphate (%)	Water Soluble Sulphate (g/l)	Total Sulphur (%)
TP1	1.0	9.0	0.023	<0.01	0.01
WLS2	1.0	8.9	0.018	<0.01	0.01

Geotechnical laboratory test results are provided in **Appendix E.**

[2] Building Research Establishment Special Digest 1: 2005. Concrete in aggressive ground. Part 1: Assessing the aggressive chemical environment.

7.0 Geotechnical Discussion

7.1 Head Deposits

The Head Deposits were found to be underlying the topsoil and continued until 2.1m bgl in WLS1. The soils can be split as either slightly gravelly clayey sands or gravelly clays.

In-situ testing indicated an SPT 'N' value range of N=12 to N=18. Atterberg testing indicates a modified plasticity of 7.4-17.3%.

Within the sand strata, BS8002:2005 indicates a bulk unit weight of between 18kN/m^2 and 20kN/m^2. With CIRIA Report R143 suggesting an internal angle of friction of around 30° to 36°. A cohesion value of 0.0kN/m^2 is assumed for non-cohesive soils.

Within the clay strata CIRIA Report R143 indicates that an undrained shear strength can be determined from the recorded SPT value(s) (N) and the Stroud Correlation Factor (f_1) using the following equation:

$$\mathbf{C_u = f_1 \times N_{60}}$$

Using Figure B3 from CIRIA R143, and a plasticity index of 28%, an f_1 value of 5.0 can be applied to an SPT 'N' value of 12 to determine an undrained shear strength value (C_u) of 60kN/m^2. This is considered to be a moderately conservative value for the encountered soils.

Effective stress parameters can be determined from correlations with modified Plasticity Index (I_p) in accordance with British Standard BS8002:2015, using the following equation:

$$\mathbf{Angle\ of\ Shearing\ Resistance = (42° - 12.5Log(I_p))}$$

For a modified Plasticity Index of 17% this equates to an effective shearing resistance of 26.6°. It is recommended that a maximum cohesion of 0kN/m^2 is also applied for design in drained conditions.

7.2 Seaford Chalk Formation

The Seaford Chalk Formation was found to be underlying the Head Deposit soils and continued until borehole termination at 8.0m bgl.

In-situ testing indicated an uncorrected SPT 'N' value range of N=11 to N=47. Considering the two highest results as anomalies the SPT 'N' value range is narrowed to be between N=11 and N=23, with a generally uniform N-value with depth. It should be noted that SPT through bands of flint will record abnormally high SPT N-values and may not be representative of the chalk strength and density.

One sample from CP1; 6.5-6.95m bgl recorded saturated moisture content of 18%, a bulk density of 2.21Mg/m^3 (21.7kN/m^3) and porosity of 32%. These results are indicative of a high density chalk.

The percussive nature of the cable percussive method and windowless sampling method means the recovered material is in a highly disturbed state and as such it is rarely possible to provide a full CIRIA Grade. Furthermore, geotechnical laboratory testing of the chalk was not possible due to the disturbed state of the recovered samples and lack of suitable material.

Exposure within the trial pits was noted as being sufficient to distinguish between structureless and structured chalk but it was not possible to accurately identify or measure discontinuities and as such a full CIRIA classification has not been provided.

7.3 Recommended Geotechnical Parameters

Table 11 presents the recommended geotechnical parameters for use in design. These have been determined from both the in-situ and laboratory testing along with observations made during the site investigation.

Parameters of the chalk have been provided in accordance with published values based on the ground conditions encountered.

Table 11: Recommended geotechnical parameters

Strata	Bulk Unit Weight (kN/m^3)	Undrained Shear Strength (kN/m^2)	Angle of Friction (°)	Cohesion (kN/m^2)
Head Deposits	18	60	24	0
Seaford Chalk Formation	21	200	31	0

8.0 Geotechnical Appraisal

8.1 Shallow Foundations

Trees were noted along the eastern boundary of the proposed area, and to the north and south mostly comprising semi-mature and mature deciduous species. The mature height and water demand of the tree species should be identified.

Foundation deepening for cohesive soils should therefore be determined in line with NHBC chapter 4.2 "Building Near Trees". Should deepening be required then the underlying cohesive soils within the Head Deposits should be considered to have a low volume change potential. Deepening can stop once competent chalk strata is encountered.

The percentage particles less than 425um is provide in Appendix E (30-69%), two of the tests provide a modified PI of <10%, thus outside the guideline limits to be covered by NHBC. It is stressed that only three tests have been completed for the site, and it is likely the site will have further cohesive materials that may be of different conditions. The three tests from the chosen locations from this investigation do not sufficiently cover the site. Within the NHBC guidance the use of the modified PI is caveated assuming that sufficient investigation and testing is carried out. Three results in this case would not qualify for reliance upon the use of the modified method.

At the time of writing this report expected structure and foundation loads were not known. Due to the potential ground bearing loads produced by the proposed construction, and the relatively low-strength and thickness of Head Deposits, shallow foundations within these soils are not expected to be suitable. Nevertheless, for preliminary estimations only, an allowable bearing capacity of around 45kN/m^2 should be achievable. This estimate has been based on a 1m square pad founded at 1m below ground level and is suitable for preliminary estimates only.

The bearing capacity presented above are for preliminary assessments only and should not be relied upon for design. A full design check in accordance with current British Standards should be undertaken at detailed design stage once load conditions and foundations sizing area known. The above bearing capacity incorporates a global factor of safety of 3.0 which should limit settlements to around 25mm, however in accordance with current British Standards a full settlement assessment must be undertaken as part of the detailed design.

If foundations are designed within the shallow Head Deposits, the use of void former or compressible material should be considered around the inside face of foundations and around ground beams which are situated within this material within the zones of tree root influence to mitigate against seasonal volume changes.

It should be noted that the NHBC guidance, Chapter 4.2 'Building near Trees' notes that foundations deeper than 2.5m within the zone of influence of trees are outside of the scope of the document and may require specific assessment by the engineer.

If shallow foundations are proposed to bear onto Chalk at depths of 1.5mbgl or greater the following moderately conservative allowable bearing capacities may be used.

Low Density Chalk – CIRIA Grade Dm – 200kN/m^2

Low Density Chalk – CIRIA Grade Dc – 225kN/m^2

Low Density Chalk – CIRIA Grades A-C – 240kN/m^2

Medium and High Density Chalk – CIRIA Grades A-C – 300kN/m^2

If structureless chalk, CIRIA Grade Dm is expected shallow foundations may not be suitable as the amount of settlement could be expected to exceed design tolerances.

It should be noted that the depth and grade of weathering in the chalk can vary significantly both laterally and vertically and as such further investigation under the proposed footprint of the structures is advised.

We would recommend further investigation be targeted towards methods that allow for recovery or viewing of high-quality intact chalk and subsequent provision of a full CIRIA Chalk grading.

A full design check of the foundations should be undertaken in accordance with current British Standards at detailed design stage once load conditions and foundations sizing are known.

8.2 Floor Slab

The floor slab design will depend on the final foundation designs and is dependent on the underlying materials, including bearing capacity and the presence of any cohesive or Made Ground soils.

Owing to the presence of worst-case low shrinkage potential soils, it is recommended that a fully suspended floor slab is adopted for the new development.

8.3 Excavations and Groundwater

Groundwater was not recorded during the investigation. Given the elevation of the site it is likely that groundwater will be at depth.

Where groundwater or surface water is encountered within any excavations during the construction phase it should be dealt with appropriately and removed using good engineering practices. Should standing water be encountered then pumping from sumps should maintain a suitably dry working environment. Trench shoring may be required if personnel access is required.

Chalk is a relatively easy material to excavate, however any chalk that has been remoulded or 'puttied' by mechanical excavators should be removed, if necessary, by hand trimming. Suitable temporary works measures need to be in place to allow the work to be carried out in a safe and controlled manner. These temporary works may include temporary shoring or battering of temporary slopes to a safe angle; the exact methodology should be selected based on the proposed construction and be assessed in advance by a competent temporary works engineer.

8.4 Concrete in Aggressive Ground

Based on the results of the testing, oxidisable sulphates (OS) within the Head Deposits and Seaford Chalk Formation are generally <0.3%, indicating significant volumes of pyrite are not present.

For both soils, using the highest sulphate class calculated from both the water-soluble sulphate and TPS, the underlying soils are classified as Design Sulphate Class DS-1 and assuming static groundwater within the Head Deposits, the ACEC class is AC-1s.

8.5 Infiltration Testing

Soil infiltration testing was completed in the chalk found within TP1 and TP2 between 1.1mbgl and 2.0mbgl.

Of the two positions tested, the lowest infiltration rates recorded were $1.48E^{-05}$ and $1.51E^{-05}$ m/s. These rates would classify the target zone as 'Good' after Casagrande and Fadum (1940)[3].

Chalk is the major aquifer for potable water in the Southeast of the UK and therefore must be treated sensitively. It is a dual-porosity aquifer, having intergranular pores in the intact material of low permeability, and a fracture porosity with far higher permeability, with yields typical of 45-125 l/s depending on the intersection of fissures which tend to occur within zones of fluctuations in the top 80m of the saturation zone.

BRE guidance suggest as a standard that within low to medium density chalk soakaways should be located at least 10m from any structures.

8.6 Road and Pavement Design

Seven laboratory California Bearing Ratio (CBR) tests were undertaken from samples 0.5m below ground level within the Head Deposits, which returned values of between 2.2% and 7.5%. Due to the inherent variability typically encountered during road design, it is recommended that some conservatism is applied to the pavement design. It is therefore recommended that a CBR value of 2% is used in design.

In addition, it is recommended that all formation soils should be checked and prepared prior to any construction and that any soft spots should be removed and replaced with granular fill

8.7 Dissolution Features

Following a review of the surrounding geology, it is considered that the risk of dissolution features being present on site is low. During the site investigation no evidence of dissolution features was identified in any of the excavated trial pits or boreholes. There were no identifiable depressions across the surface of the site, and no suggestions of significantly weaker materials at depth.

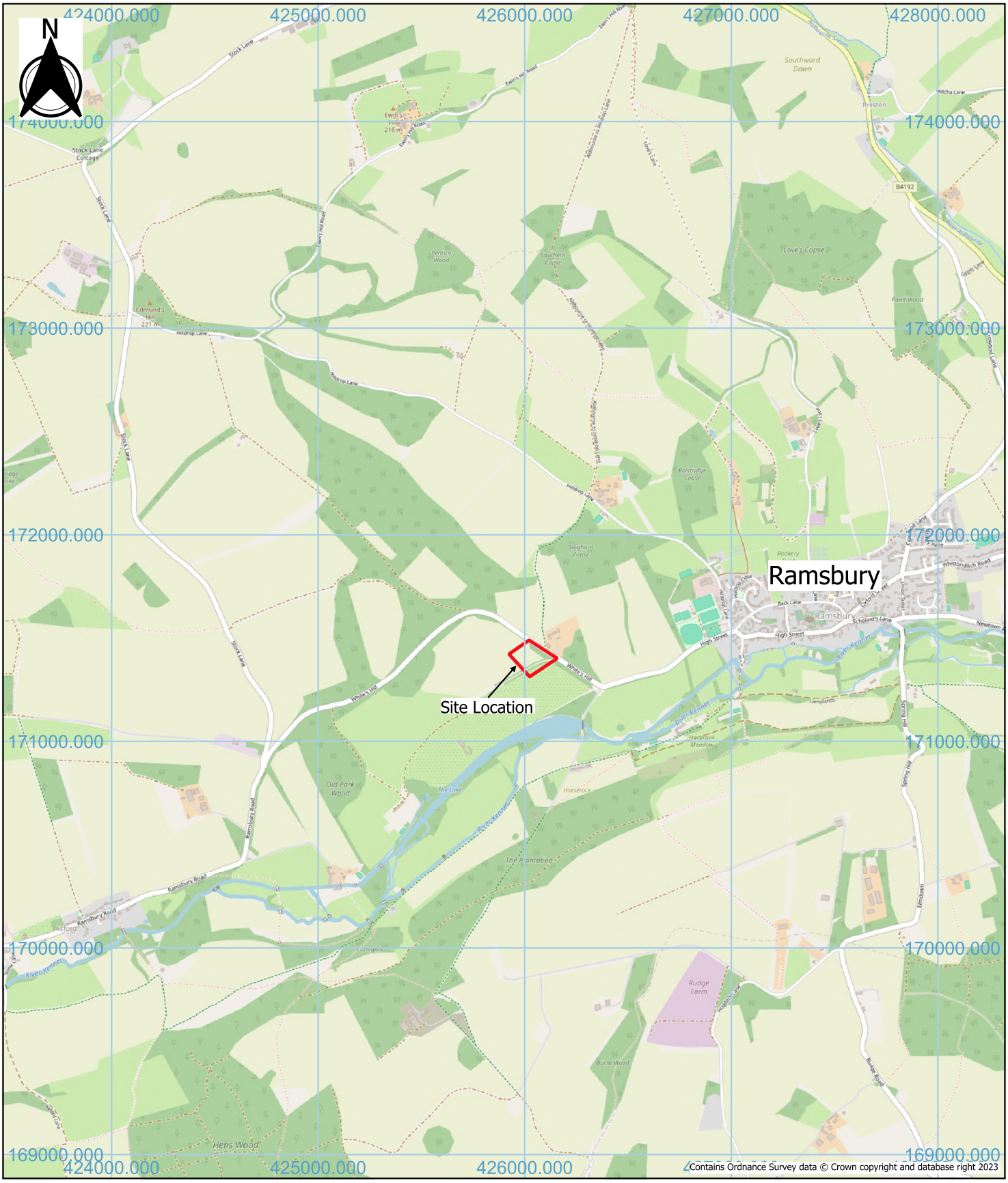
During construction a watch should be maintained for deep areas of fill or softer ground within the chalk. Should solution features be encountered then further investigation maybe required and mitigation measures considered.

[3] Casagrande, A. and Fadum, R.E. (1940). "Notes on soil testing for engineering purposes,"

FIGURES

Figure 1 – Site Location Plan

Figure 2 – Site Investigation Plan



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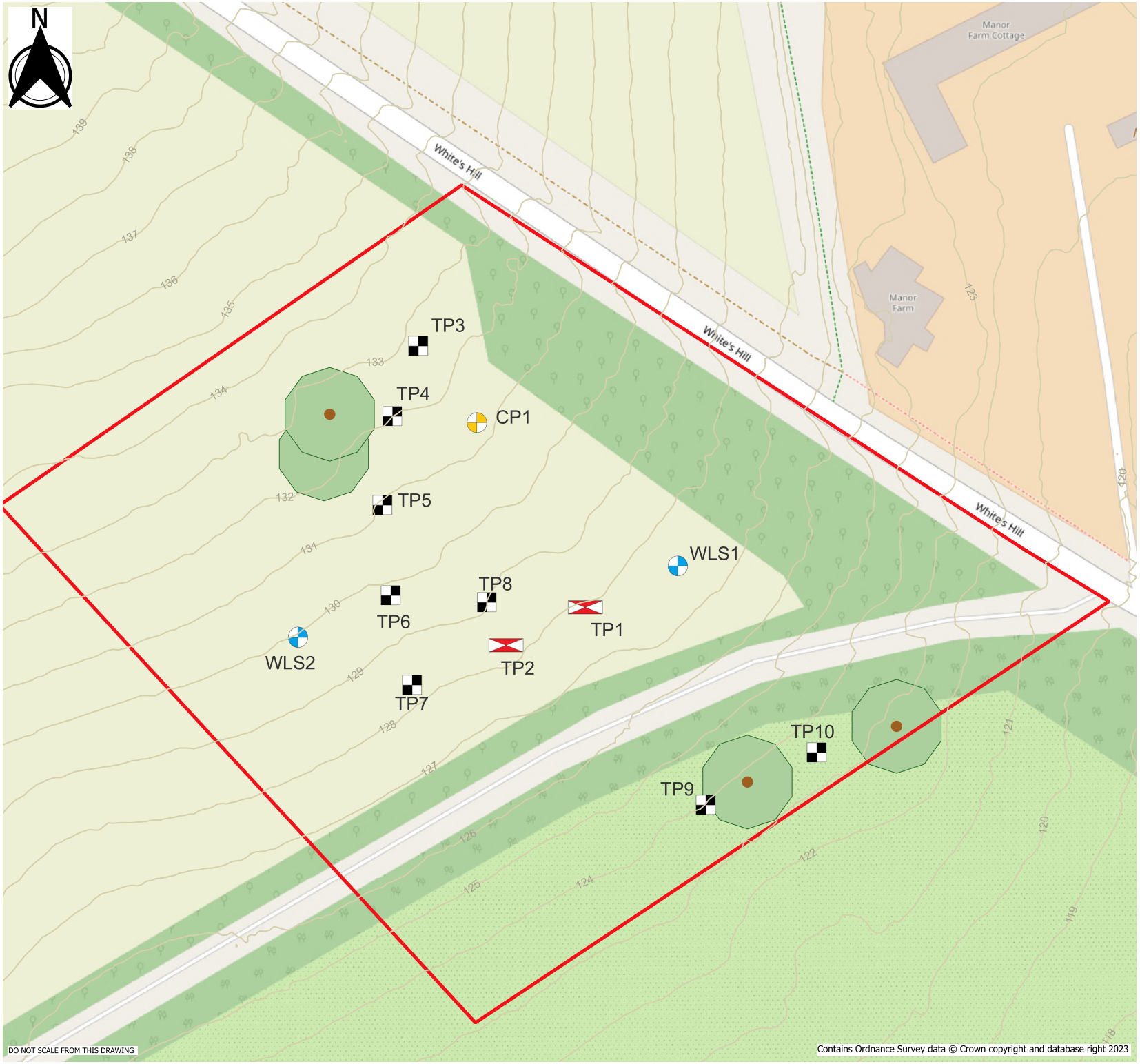
site investigation • building pathology

Units 15 & 16, Ford Lane Business Park, Ford, Arundel BN18 0UZ

Client	Greenwood Projects
Project	GI24.1109 - Ramsbury Manor
Title	Site Location Plan

Dimension	Size	Geolocation
m	A4	426031 , 171417

Figure 1



constructiveevaluation
site investigation • building pathology

Units 15 & 16, Ford Lane Business Park, Ford, Arundel BN18 0UZ

Client	Greenwood Projects
Project	GI24.1109 - Ramsbury Manor
Title	Site Investigation Plan

Dimension	Size	Geolocation
m	A4	426017 , 171404

Legend

- Site Boundary
- Hand Excavated Trial Pit
- Mechanical Trial Pit inc BRE
- Cable Percussive Borehole
- Windowless Sampling Borehole
- Trees / Vegetation
- Topographic Contours (m AOD)

0 25 50 m

Figure 2

APPENDICES

Appendix A – Site Photographs

Appendix B – BGS Historic Borehole Log

Appendix C – Stratigraphic Logs

Appendix D – Soil Infiltration Test Results

Appendix E – Geotechnical Laboratory Testing

Appendix F – Report Terms and Conditions

APPENDIX A

Site Photographs

Site Photographs

Project Ref: GI24.1109

Site Name: Ramsbury Manor, Marlborough

1.

2.

1) Looking West
2) Looking Northwest
3) TP1 Location
4) TP1 Spoil

3.

4.

Site Photographs

Project Ref: GI24.1109

Site Name: Ramsbury Manor, Marlborough

5.

6.

7.

8.

5) TP1 trial pit

6) TP1 0.0-2.0mbgl

7) TP1 Location

8) TP2 Location

Site Photographs

Project Ref: GI24.1109

Site Name: Ramsbury Manor, Marlborough

9.

10.

11.

12.

9) TP2 Spoil

10) TP2 0.0-2.0mbgl

11) CP1 and WLS1 Locations

12) CP1 Position

Site Photographs

Project Ref: GI24.1109

Site Name: Ramsbury Manor, Marlborough

13.

14.

15.

16.

13) WLS1 Position

14) WLS1

15) CP1 Location

16) CP1

Site Photographs

17.

18.

19.

20.

17) WLS2 Location

18) TP3 0.0-0.50mbgl

19) TP4 0.0-0.50mbgl

20) TP4 Location

Site Photographs

Project Ref: GI24.1109

Site Name: Ramsbury Manor, Marlborough

21.

22.

23.

24.

21) TP6 0.0-0.50mbgl

22) TP6 Position

23) TP9 0.0-0.50mbgl

24) TP9 Location

Site Photographs

25.

26.

27.

28.

25) TP1 Infiltration testing

26) TP1 Infiltration testing

27) TP2 Infiltration testing

28) TP1 and TP2 positions

Site Photographs

29.

30.

29) TP1 Reinstated

30) TP2 Reinstated

APPENDIX B

BGS Historic Borehole Log

British Geological Survey

RECORD OF WELL (SHAFT OR BORE) 267

N.S. 3.4 N.W. 216
1" O.S. [illegible]
Grid Ref. [illegible]
1212

At Swindon M.C.

Town or Village Ramsbury County Wilts Six-inch quarter sheet [illegible]

Exact site (About 15 feet from No.1)

in parish of

A rough sketch-map or tracing of a map is very desirable.

Level of ground surface above sea-level (O.D.) 277 ft. If well starts below ground surface, state how far ft.

Shaft ft., diameter ft. Bore ~~12"~~ XX, Diameter of bore: at top 12 ins.; at bottom 12 ins.

Details of permanent lining tubes (internal diameters preferred)

Water struck at depths of (feet)

Rest-level of water ~~below~~ ABOVE top of well 73'6" ~~feet~~ Suction at feet. Yield on 10 hours' ~~test~~ TEST 2000/2500 gallons per hour (with pump of capacity g.p.h.); depressing water level to feet below top. Time of recovery hrs. Amount normally pumped daily g.p.h. for hours.

Quality (attach copy of analysis if available)

Sunk by [illegible] for ~~Mr~~ Marlborough R.D.C. Date of well 1938

Information from [illegible]

(For Survey use only). GEOLOGICAL CLASSIFICATION.	NATURE OF STRATA (and any additional remarks).	THICKNESS Feet.	THICKNESS Inches.	DEPTH Feet.	DEPTH Inches.
	No.2 Bore				
	Soil		9		9
	Yellow Chalk and Flint	3	-	3	9
	White Chalk	8	-	11	9
	Flints	2	3	14	-
U Ck 105	Chalk and Flints	66	-	80	-
	Flint	3	-	83	-
	Chalk and Flints	22	-	105	-
	Softer Chalk	10	-	115	-
	Flints	6	-	121	-
	Chalk and Flints	9	-	130	-
M & L Ck	Chalk	120	-	250	-
299	Blue Marl	36	-	286	-
	Yellow Marl	10	-	296	-
	Blue Marl	138	-	404	-
Upper Greensand	Green Sand	20	-	424	-
20					
	Tubed 147 ft. 2 ins. (all 12").				
	Ample supply.				

GEOLOGICAL SURVEY AND MUSEUM, SOUTH KENSINGTON, LONDON, S.W.7.

For Survey use only

Date received	G.S.M. Office File No.	Site marked on 1" map (use symbol)
1939		

(7093) Wt.38064/0349 5.00 12/38 A.&E.W.Ltd. Gp.686

British Geological Survey

267/240

SU 27 SE/4
267
26 13 71 47

(For Survey use only) GEOLOGICAL CLASSIFICATION	NATURE OF STRATA If measurements start below ground surface, state how far	THICKNESS Feet	THICKNESS Inches	DEPTH Feet	DEPTH Inches
	In Chalk	43	11½	43	11½

Station Datum point Observation well Date

British Geological Survey

RECORD OF WELL

For Survey use only Licence No.

N.....

267/240

SU 27/45

At Ramsbury Manor Farm

SU 2612/7147

Town or Village Ramsbury

County Wiltshire

EXACT SITE OF WELL

Six-inch sheet 29 NE/E Six-inch National Grid sheet.....

For Ramsbury Manor Estate State whether owner, tenant, builder, contractor, consultant, etc.:—.....

Address (if different from above).....

Level of ground surface above sea level (O.D.) 406.61 ft. ~~If~~ well top is ~~not~~ at ground level, ~~state how far~~ .... } above* / below*; .....ft.

* DELETE WHICHEVER IS INAPPLICABLE

SHAFT ~~6'6"~~ c.46ft ~~ft.~~; diameter c 3½ ft.; HEADINGS (please attach details—dimensions and directions)

BORE.....ft.; diameter of bore: at top.....in.; at bottom.....in.

Full details of permanent lining tubes (position, length, diameter, plain, slotted etc.).....

.....

.....

Water struck at depths of.....ft. below well top.

TEST CONDITIONS

Rest level of water 38' 10" ~~ft.~~ ~~above~~ / below* well top. Suction at.....ft. Yield on..... hours'* / days'* test pumping at.....galls. per.....with depression to.....ft. below well top.

Recovery to rest level in..... mins.* / hours* Capacity of pump.....g.p.h. Date of measurements June 64

NORMAL CONDITIONS

DESCRIPTION OF PERMANENT PUMPING EQUIPMENT:

Make and/or type.....Motive power.....

Capacity.....galls. per hour. Suction at.....ft. below well top.

Amount pumped.....galls. per day. Estimated consumption.....galls. per week.

Well made by.....Date of sinking.....

Information from.....

ADDITIONAL NOTES ANALYSIS (please attach copy if available)

Disused. Observation well for Sound Bottom Pumping Test.

Measured monthly by Swindon Corp.
OD measuring point = 406.61 (N)
(concrete at top of borehole).
26/8/64

Depth from Swindon Corp (phone) previous 43'.11½"
PERL 17.12.64

LOG OF STRATA OVERLEAF.

For Survey use only

Date Received .....

Section 6 .....

Pumping test .....

Observ. well ✓

Recorder .....

E.R. log .....

Site marked on

1" map O

6" map O 4. 10.61 (use symbol)

Record forwarded

to .....

date .....

GEOLOGICAL SURVEY, WATER DIVISION, SOUTH KENSINGTON, LONDON, S.W.7.

23/11/59 (3697) Wt.54188—P.S.47 10M 1/60 M.P.Ltd. G.722

British Geological Survey

(For Survey use only) Geological Classification	NATURE OF STRATA If measurements start below ground surface, state how far	Thickness Feet	Thickness Inches	Depth Feet	Depth Inches
	In Chalk	43	11½	43	11½

British Geological Survey

SU27/45

Ramsbury Manor Farm Ramsbury. This is JWG, 24/45 264/240.
Visited. At the backdoor of the Farmhouse some equipment still in situ, not in use. RWL. 12.6 m

JWG 18.9.49

British Geological Survey

267/240

Station Ramsbury Manor Farm

Datum point ..... O.D. .....

Observation well during test on Sound Bottom Borehole

267/240
SU 27/45

Date and Time	Water Level	Rate G.P.H.	Notes	Date and Time	Water Level	Rate G.P.H.	Notes
7th Mar.	370.24			27th Sept	365.28		
14th "	369.86			4th Oct.	365.51		
21st "	369.67			11th "	365.63		
28th "	369.53			18th "	365.53		
4th Apr.	369.24			25th "	366.32		
11th "	368,97			1st Nov.	368.78		
20th "	368.28			8th "	370.69		
28th "	368.36			15th "	370.90		
29th "	367.86			22nd "	370.82		
2nd May	368.11			29th "	371.01		
8th "	367.96			6th Dec.	372.65		
10th "	367.73			13th "	374.15		
21st "	367.24			20th "	373.57		
31st "	-			29th "	372.15		
8th June	367.15			4th Jan 61	371.44		
21st "	366.90			10th "	371.40		
29th "	366.94			17th "	371.11		
12th July	366.61			24th "	371.22		
15th "	-			31st "	371.15		
19th "	366.42			7th Feb.	370.61		
26th "	366.24			14th "	370.28		
3rd Aug.	366.02			20th "	-		
9th "	366.19			21st "	370.28		
23rd "	365.78			28th "	370.59		
25th "	-			7th Mar.	370.24		
7th Sept	365.65			28th June	367.27		
14th "	365.42			30th "	367.24		
20th "	365.36			3rd July	367.13		

DB 88844/1/3633 1m 1/61 R

British Geological Survey

267/240

Station Ramsbury Manor Farm

Datum point ..... O.D. .....

Observation well during test on Sound Bottom Borehole

267/240
Su 27/45

Date and Time	Water Level	Rate G.P.H.	Notes	Date and Time	Water Level	Rate G.P.H.	Notes
6th July	367.11						
11th "	366.90						
13th "	366.94						
18th "	366.82						
25th "	366.61						
1st Aug.	366.42						
9th "	366.25						
22nd "	365.90						
5th Sept	365.61						
19th "	365.38						

DB 88844/1/3633 1m 1/61 R

British Geological Survey

267/240

SU 27/45

Station H.

Datum point ..... O.D. 406.61

Observation well during test on Aquifer

Date and Time	Water Level	Rate G.P.H.	Notes	Date and Time	Water Level	Rate G.P.H.	Notes
29 June 15-30	38.83			June 10 11.05	39-2¾		
30 9.30	38.85			21.42	39-3⅝		
12.30	38.83			June 11 9-45	39-4⅛		
19.30	38.85			16.50	39-4		
				June 12 17.10	39-3¾		
31st June 9.00	38-5½						
17.30	38-5½		Test started 1500 bo	June 13 11.2	39-2¼		
21.30	38-5½						
1 June 9-40	38-5¾			June 14 10.15	39-3⅝		Test finished
17-20	38-5¾		Rate increased 1500 bo				
~~00-35~~	~~38-5¾~~			JUNE 15 10.10	39-4¼		
21.15	38-5¾			16.00	39-4¼		
2 June 9.40	38-10¼			16 11.50	39-3½		
17.00	38-10			17 10.10	39-3½		
3 June 9.45	38-10½			18 11.20	39-2⅞		
17.05	38-10½			19 15.35	39-2		
4 June 9-35	38-11⅜			20 17.05	39-2¼		
16.10	38-11¾			21 16.10	39-2⅛		
June 5 am	39-1		(39.08)	22 10.40	39-3		
pm	39-0		(39.0)	23	—		
June 6 10.03	39-0⅝		(39.05)	24 10.20	39-3¼		
15.53	39-0⅞		(39.07)	25	—		
June 7 10.50	39-2			26 15.25	39-3¼		
17.45	39-2¼		.	27 ~~11.00~~	—		
8 11.35	39-1			28 1600	39-4		
15.23	39-1						
9 10.50	39-1¾						
14.10	39-1¾						
JW 16.33	39-2¼						

APPENDIX C

Stratigraphic Logs

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Borehole Log

Borehole No.
CP1
Sheet 1 of 1

Project Name:	Ramsbury Manor	Project No. GI24.1109	Co-ords:	426024E - 171440N	Hole Type CP
Location:	Marlborough SN8 2RG		Level:	131.31	Scale 1:46
Client:	Greenwood Projects		Dates:	17/09/2024	Logged By LS

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.30	131.01		Grass over brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is fine to coarse angular to sub-angular of flint. Abundant rootlets. (TOPSOIL)
		1.00 1.00	D SPT	N=13 (1,3/3,3,3,4)				Brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse sub-angular to sub-rounded nodular flint. (HEAD DEPOSITS)
		2.00 2.00 - 2.45	D U	Ublow=45	2.00	129.31		Possible structureless CHALK recovered as white slightly gravelly sandy SILT. Sand is fine to coarse. Gravel is very weak low density fine to medium angular to sub-angular of chalk and flint. (SEAFORD CHALK FORMATION, CIRIA GRADE UNDETERMINED)
		2.50	D					
		3.00 3.00	D SPT	N=23 (9,10/5,5,4,9)				
		4.00 4.00 - 4.45	D U	Ublow=60				
		5.00 5.00	D SPT	N=12 (1,3/3,2,3,4)				
		6.00	D					
		6.50 - 6.95	U	Ublow=38				
		7.00	D					
		8.00 8.00	D SPT	N=17 (6,6/6,4,4,3)	8.00	123.31		End of Borehole at 8.000m

Remarks

1. CAT scanned prior to manual excavation of inspection pit. 2. No groundwater was observed. 3. The borehole reached a maximum depth of 8.0mbgl on completion. 4. Borehole was backfilled with bentonite and arisings.

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Borehole Log

Borehole No.
WLS1
Sheet 1 of 1

Project Name:	Ramsbury Manor	Project No. GI24.1109	Co-ords:	426067E - 171410N	Hole Type WLS
Location:	Marlborough SN8 2RG		Level:	128.00	Scale 1:46
Client:	Greenwood Projects		Dates:	17/09/2024	Logged By LS

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.30	127.70		Grass over brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is fine to coarse angular to sub-angular of flint. Abundant rootlets. (TOPSOIL)
		0.80	D		0.80	127.20		Brown slightly gravelly clayey SAND. Sand is fine to coarse . Gravel is angular to subangular fine to coarse of flint. (HEAD DEPOSITS)
		1.00	SPT	N=12 (3,3/2,3,3,4)	1.00	127.00		Very soft brown slightly gravelly CLAY. Gravel is angular to subangular fine to coarse of flints. (HEAD DEPOSITS)
		1.50	D					Soft brown gravelly CLAY. Gravel is angular to subangular fine to coarse of flints. (HEAD DEPOSITS)
		2.00	SPT	N=22 (4,4/5,6,5,6)	2.10	125.90		Possible structureless CHALK recovered as white slightly gravelly sandy SILT. Sand is fine to coarse. Gravel is very weak low density fine to medium angular to sub-angular of chalk and flint. (SEAFORD CHALK FORMATION, CIRIA GRADE UNDETERMINED)
		2.50	D					
		3.00	SPT	N=23 (5,5/5,5,6,7)				
		3.50	D					
		4.00	SPT	N=16 (4,4/3,3,5,5)				
		4.50	D					
		5.00	SPT	N=14 (5,3/3,3,4,4)				
		5.50	D					
		6.00	SPT	N=19 (3,3/4,6,5,4)				
		6.50	D					
		7.00	SPT	N=21 (5,5/6,5,5,5)				
		7.50	D					
		8.00	SPT	N=18 (4,3/5,4,4,5)	8.00	120.00		End of Borehole at 8.000m

Remarks

1. CAT scanned prior to manual excavation of inspection pit. 2. No groundwater was observed. 3. Maximum depth of 8.0mbgl on completion of borehole. 4. Backfilled with bentonite and arisings.

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Borehole Log

Borehole No.
WLS2
Sheet 1 of 1

Project Name:	Ramsbury Manor	Project No. GI24.1109	Co-ords:	425987E - 171395N	Hole Type WLS
Location:	Marlborough SN8 2RG		Level:	130.00	Scale 1:46
Client:	Greenwood Projects		Dates:	17/09/2024	Logged By LS

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.30	129.70		Grass over brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is fine to coarse angular to sub-angular of flint. Abundant rootlets. (TOPSOIL)
		0.50	D					
					0.90	129.10		Brown slightly gravelly clayey SAND. Sand is fine to coarse. Gravel is fine to coarse sub-angular to sub-rounded of flint. (HEAD DEPOSITS)
		1.00	SPT	N=18 (7,9/6,4,4,4)				
		1.10	D		1.20	128.80		Brown mottled white gravelly CLAY. Gravel is angular to subangular fine to coarse of flint and chalk. (HEAD DEPOSITS)
		1.50	D					Possible structureless CHALK recovered as white slightly gravelly sandy SILT. Sand is fine to coarse. Gravel is very weak low density fine to medium angular to sub-angular of chalk and flint. (SEAFORD CHALK FORMATION, CIRIA GRADE UNDETERMINED)
		2.00	SPT	N=16 (4,4/4,4,4,4)				
		3.00	SPT	N=13 (3,4/3,3,3,4)				
		3.50	D					
		4.00	SPT	N=12 (3,3/4,2,3,3)				
		4.50	D					
		5.00	SPT	N=11 (3,3/3,2,3,3)				
		5.50	D					
		5.90	D					
		6.00	SPT	N=18 (6,7/6,4,4,4)				
		6.40	D					
		7.00	SPT	N=37 (8,7/7,7,10,13)				
		7.80	D					
		8.00	SPT	N=47 (10,9/11,11,13,12)	8.00	122.00		End of Borehole at 8.000m

Remarks

1. CAT scanned prior to manual excavation of inspection pit. 2. No groundwater was observed. 3. Maximum depth of 8.0mbgl on completion of borehole. 4. Backfilled with bentonite and arisings.

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Trial Pit Log

Trialpit No
TP1
Sheet 1 of 1

Project Name: Ramsbury Manor	Project No. GI24.1109	Co-ords: 426047.21 - 171401.16 Level: 127.93	Date 17/09/2024
Location: Marlborough SN8 2RG		Dimensions (m): Depth 2.00, 1, 0.4	Scale 1:10
Client: Greenwood Projects			Logged LS

Water Strike	Samples and In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.30	127.63		Grass over brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is fine to coarse angular to sub-angular of flint. Abundant rootlets. (TOPSOIL)
	0.50	D		0.70	127.23		Brown slightly sandy clayey GRAVEL. Sand is fine to coarse. Gravel is fine to coarse angular to sub-angular of nodular flint and white chalk.
	1.00	D		2.00	125.93		Structureless CHALK recovered as white silty sandy GRAVEL with moderate cobble content sub-angular to sub-rounded of nodular flint. Sand is fine to coarse. Gravel is fine to medium angular to sub-angular of flint. (SEAFORD CHALK FORMATION, CIRIA GRADE Dm) End of pit at 2.00 m

Remarks: 1. CAT scanned prior to mechanical excavation. 2. No groundwater was observed. 3. Maximum depth of 2.00mbgl on completion. 4. BRE Digest 365 infiltration testing was completed with three cycles. 5. Backfilled with arisings.

Stability: Trial pit remained stable.

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Trial Pit Log

Trialpit No **TP2**

Sheet 1 of 1

Project Name: Ramsbury Manor	Project No. GI24.1109	Co-ords: 426030.42 - 171393.18 Level: 128.33	Date 17/09/2024
Location: Marlborough SN8 2RG		Dimensions (m): Depth 2.00 — 1 × 0.4	Scale 1:10
Client: Greenwood Projects			Logged LS

Water Strike	Samples and In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.30	128.03		Grass over brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is fine to coarse angular to sub-angular of flint. Abundant rootlets. (TOPSOIL)
	0.50	D		0.70	127.63		Brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse sub-angular to sub-rounded nodular flint. (HEAD DEPOSITS)
				2.00	126.33		Structureless CHALK recovered as white silty sandy GRAVEL with moderate cobble content sub-angular to sub-rounded of nodular flint. Sand is fine to coarse. Gravel is fine to medium angular to sub-angular of flint. (SEAFORD CHALK FORMATION, CIRIA GRADE Dm) End of pit at 2.00 m

1

2

Remarks: 1. CAT scanned prior to mechanical excavation. 2. No groundwater was observed. 3. Maximum depth of 2.00mbgl on completion. 4. BRE Digest 365 infiltration testing was completed with three cycles. 5. Backfilled with arisings.

Stability: Trial pit remained stable.

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Trial Pit Log

Trialpit No
TP3
Sheet 1 of 1

Project Name:	Ramsbury Manor	Project No. GI24.1109	Co-ords: 426011.94 - 171456.38 Level: 132.79	Date 18/09/2024
Location:	Marlborough SN8 2RG	Dimensions (m): Depth 0.50	0.3 / 0.3	Scale 1:10
Client:	Greenwood Projects			Logged LS

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
							Grass over brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is fine to coarse angular to sub-angular of flint. Abundant rootlets. (TOPSOIL)
				0.30	132.49		Brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse sub-angular to sub-rounded nodular flint. (HEAD DEPOSITS)
	0.50	B		0.50	132.29		End of pit at 0.50 m

1

2

Remarks: 1. CAT scanned prior to manual excavation. 2. No groundwater was observed. 3. Maximum depth of the trial pit reached at 0.50mbgl on completion. 4. Backfilled with arisings.

Stability: Trial pit remained stable.

AGS

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Trial Pit Log

Trialpit No
TP4
Sheet 1 of 1

Project Name: Ramsbury Manor	Project No. GI24.1109	Co-ords: 426006.48 - 171441.47 Level: 132.00	Date 18/09/2024
Location: Marlborough SN8 2RG		Dimensions (m): 0.3 × 0.3, Depth 0.50	Scale 1:10
Client: Greenwood Projects			Logged LS

Water Strike	Samples and In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Grass over brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is fine to coarse angular to sub-angular of flint. Abundant rootlets. (TOPSOIL)
				0.30	131.70		Brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse sub-angular to sub-rounded nodular flint. (HEAD DEPOSITS)
	0.50	B		0.50	131.50		End of pit at 0.50 m

1

2

Remarks: 1. CAT scanned prior to manual excavation. 2. No groundwater was observed. 3. Maximum depth of the trial pit reached at 0.50mbgl on completion. 4. Backfilled with arisings.

Stability: Trial pit remained stable.

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Trial Pit Log

Trialpit No
TP5
Sheet 1 of 1

Project Name:	Ramsbury Manor	Project No. GI24.1109	Co-ords: 426004.38 - 171422.79 Level: 130.91	Date 18/09/2024
Location:	Marlborough SN8 2RG	Dimensions (m): Depth 0.50	0.3 / 0.3	Scale 1:10
Client:	Greenwood Projects			Logged LS

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
							Grass over brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is fine to coarse angular to sub-angular of flint. Abundant rootlets. (TOPSOIL)
				0.35	130.56		Brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse sub-angular to sub-rounded nodular flint. (HEAD DEPOSITS)
	0.50	D		0.50	130.41		End of pit at 0.50 m

1

2

Remarks: 1. CAT scanned prior to manual excavation. 2. No groundwater was observed. 3. Maximum depth of the trial pit reached at 0.50mbgl on completion. 4. Backfilled with arisings.

Stability: Trial pit remained stable.

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Trial Pit Log

Trialpit No
TP6
Sheet 1 of 1

Project Name: Ramsbury Manor	Project No. GI24.1109	Co-ords: 426006.06 - 171403.68 Level: 129.77	Date 18/09/2024
Location: Marlborough SN8 2RG		Dimensions (m): 0.3 × 0.3, Depth 0.50	Scale 1:10
Client: Greenwood Projects			Logged LS

Water Strike	Samples and In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.32	129.45		Grass over brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is fine to coarse angular to sub-angular of flint. Abundant rootlets. (TOPSOIL)
	0.50	D		0.50	129.27		Brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse sub-angular to sub-rounded nodular flint. (HEAD DEPOSITS) End of pit at 0.50 m

Remarks: 1. CAT scanned prior to manual excavation. 2. No groundwater was observed. 3. Maximum depth of the trial pit reached at 0.50mbgl on completion. 4. Backfilled with arisings.

Stability: Trial pit remained stable.

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Trial Pit Log

Trialpit No
TP7
Sheet 1 of 1

Project Name:	Ramsbury Manor	Project No. GI24.1109	Co-ords: 426010.68 - 171384.79 Level: 128.30	Date 18/09/2024
Location:	Marlborough SN8 2RG	Dimensions (m): Depth 0.50	0.3 / 0.3	Scale 1:10
Client:	Greenwood Projects			Logged LS

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	128.00		Grass over brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is fine to coarse angular to sub-angular of flint. Abundant rootlets. (TOPSOIL)
	0.50	D		0.50	127.80		Brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse sub-angular to sub-rounded nodular flint. (HEAD DEPOSITS)
							End of pit at 0.50 m

1

2

Remarks: 1. CAT scanned prior to manual excavation. 2. No groundwater was observed. 3. Maximum depth of the trial pit reached at 0.50mbgl on completion. 4. Backfilled with arisings.

Stability: Trial pit remained stable.

AGS

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Trial Pit Log

Trialpit No
TP8
Sheet 1 of 1

Project Name: Ramsbury Manor	Project No. GI24.1109	Co-ords: 426026.43 - 171402.21 Level: 128.99	Date 18/09/2024
Location: Marlborough SN8 2RG		Dimensions (m): 0.3 × 0.3, Depth 0.50	Scale 1:10
Client: Greenwood Projects			Logged LS

Water Strike	Samples and In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.32	128.67		Grass over brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is fine to coarse angular to sub-angular of flint. Abundant rootlets. (TOPSOIL)
	0.50	B		0.50	128.49		Brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse sub-angular to sub-rounded nodular flint. (HEAD DEPOSITS) End of pit at 0.50 m

Remarks: 1. CAT scanned prior to manual excavation. 2. No groundwater was observed. 3. Maximum depth of the trial pit reached at 0.50mbgl on completion. 4. Backfilled with arisings.

Stability: Trial pit remained stable.

AGS

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Trial Pit Log

Trialpit No
TP9
Sheet 1 of 1

Project Name:	Ramsbury Manor	Project No. GI24.1109	Co-ords: 426072.62 - 171359.38 Level: 124.00	Date 18/09/2024
Location:	Marlborough SN8 2RG	Dimensions (m): Depth 0.50	0.3 / 0.3	Scale 1:10
Client:	Greenwood Projects			Logged LS

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.35	123.65		Grass over brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is fine to coarse angular to sub-angular of flint. Abundant rootlets. (TOPSOIL)
	0.50	D		0.50	123.50		Brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse sub-angular to sub-rounded nodular flint. (HEAD DEPOSITS)
							End of pit at 0.50 m

1

2

Remarks: 1. CAT scanned prior to manual excavation. 2. No groundwater was observed. 3. Maximum depth of the trial pit reached at 0.50mbgl on completion. 4. Backfilled with arisings.

Stability: Trial pit remained stable.

AGS

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Trial Pit Log

Trialpit No
TP10
Sheet 1 of 1

Project Name: Ramsbury Manor	Project No. GI24.1109	Co-ords: 426096.13 - 171370.51 Level: 123.42	Date 18/09/2024
Location: Marlborough SN8 2RG		Dimensions (m): 0.3 × 0.3, Depth 0.50	Scale 1:10
Client: Greenwood Projects			Logged LS

Water Strike	Samples and In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.30	123.12		Grass over brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is fine to coarse angular to sub-angular of flint. Abundant rootlets. (TOPSOIL)
	0.50	D		0.50	122.92		Brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse sub-angular to sub-rounded nodular flint. (HEAD DEPOSITS)
							End of pit at 0.50 m

1

2

Remarks: 1. CAT scanned prior to manual excavation. 2. No groundwater was observed. 3. Maximum depth of the trial pit reached at 0.50mbgl on completion. 4. Backfilled with arisings.

Stability: Trial pit remained stable.

AGS

APPENDIX D

Soil Infiltration Test Results

Soakaway Test Results & Soil Infiltration Rate

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Site: Ramsbury Manor, Marlborough

Ref: GI24.1109 **Trial Hole: TP1** **Test 1**

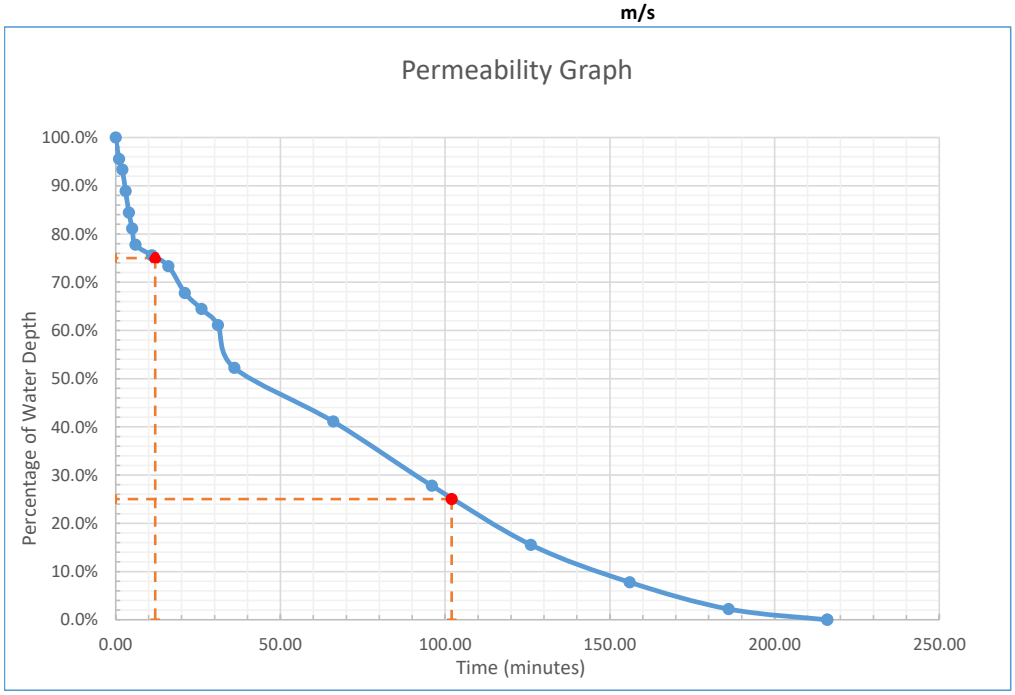
Time in minutes	Depth in metres to water surface	Head of Water from Base of Pit	Percentage of water depth at start
0.00	1.100	0.900	100.0%
1.00	1.140	0.860	95.6%
2.00	1.160	0.840	93.3%
3.00	1.200	0.800	88.9%
4.00	1.240	0.760	84.4%
5.00	1.270	0.730	81.1%
6.00	1.300	0.700	77.8%
11.00	1.320	0.680	75.6%
16.00	1.340	0.660	73.3%
21.00	1.390	0.610	67.8%
26.00	1.420	0.580	64.4%
31.00	1.450	0.550	61.1%
36.00	1.530	0.470	52.2%
66.00	1.630	0.370	41.1%
96.00	1.750	0.250	27.8%
126.00	1.860	0.140	15.6%
156.00	1.930	0.070	7.8%
186.00	1.980	0.020	2.2%
216.00	2.000	0.000	0.0%
216.00			0.0%

INFILTRATION CALCULATED FROM 75%-25% WATER DEPTH RANGE

Pit Size	
Length	1.00
Width	0.30
Depth	2.00

Time in mins	
12	75%
102	25%

Infiltration Rate from 75%-25% **1.70068E-05 m/s**



Soakaway Test Results & Soil Infiltration Rate

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site investigation • building pathology

Site: Ramsbury Manor, Marlborough

Ref: GI24.1109 **Trial Hole: TP1** **Test 2**

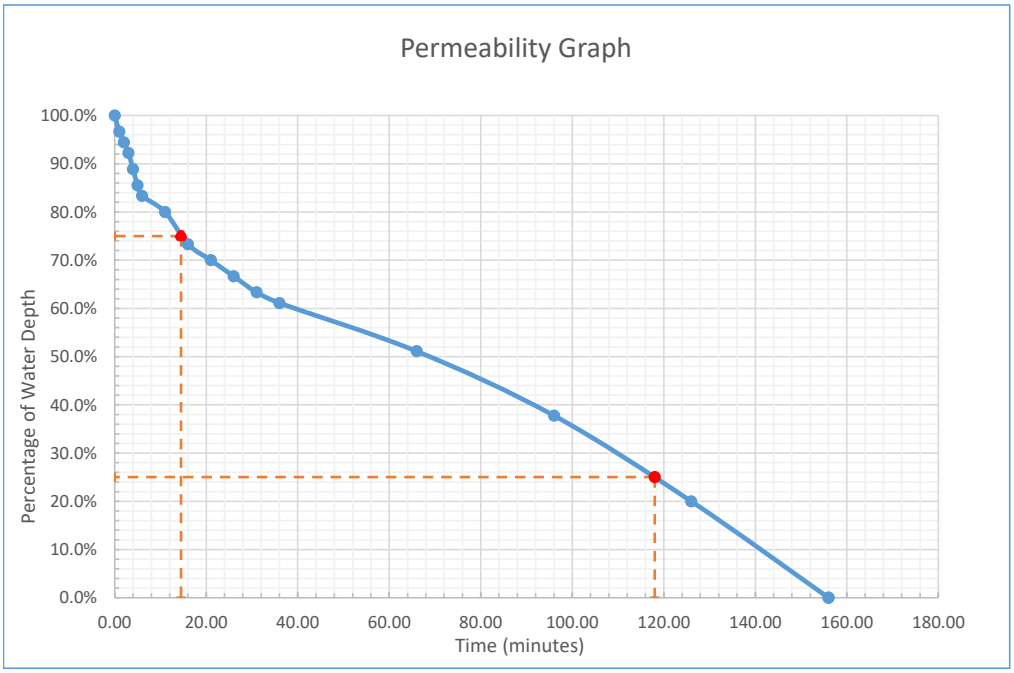
Time in minutes	Depth in metres to water surface	Head of Water from Base of Pit	Percentage of water depth at start
0.00	1.100	0.900	100.0%
1.00	1.130	0.870	96.7%
2.00	1.150	0.850	94.4%
3.00	1.170	0.830	92.2%
4.00	1.200	0.800	88.9%
5.00	1.230	0.770	85.6%
6.00	1.250	0.750	83.3%
11.00	1.280	0.720	80.0%
16.00	1.340	0.660	73.3%
21.00	1.370	0.630	70.0%
26.00	1.400	0.600	66.7%
31.00	1.430	0.570	63.3%
36.00	1.450	0.550	61.1%
66.00	1.540	0.460	51.1%
96.00	1.660	0.340	37.8%
126.00	1.820	0.180	20.0%
156.00	2.000	0.000	0.0%
156.00			0.0%

INFILTRATION CALCULATED FROM 75%-25% WATER DEPTH RANGE

Pit Size	
Length	1.00
Width	0.30
Depth	2.00

Time in mins	
14.5	75%
118	25%

Infiltration Rate from 75%-25% **1.47885E-05 m/s**



Soakaway Test Results & Soil Infiltration Rate

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Site: Ramsbury Manor, Marlborough

Ref: GI24.1109 **Trial Hole: TP1** **Test 3**

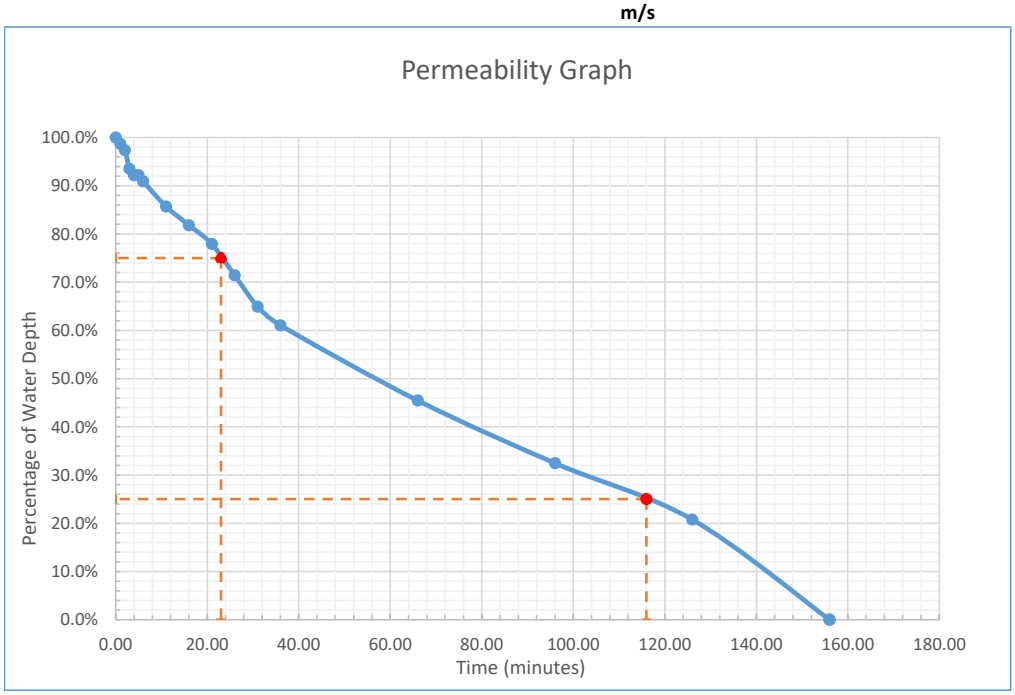
Time in minutes	Depth in metres to water surface	Head of Water from Base of Pit	Percentage of water depth at start
0.00	1.230	0.770	100.0%
1.00	1.240	0.760	98.7%
2.00	1.250	0.750	97.4%
3.00	1.280	0.720	93.5%
4.00	1.290	0.710	92.2%
5.00	1.290	0.710	92.2%
6.00	1.300	0.700	90.9%
11.00	1.340	0.660	85.7%
16.00	1.370	0.630	81.8%
21.00	1.400	0.600	77.9%
26.00	1.450	0.550	71.4%
31.00	1.500	0.500	64.9%
36.00	1.530	0.470	61.0%
66.00	1.650	0.350	45.5%
96.00	1.750	0.250	32.5%
126.00	1.840	0.160	20.8%
156.00	2.000	0.000	0.0%
156.00			0.0%

INFILTRATION CALCULATED FROM 75%-25% WATER DEPTH RANGE

Pit Size	
Length	1.00
Width	0.30
Depth	2.00

Time in mins	
23	75%
116	25%

Infiltration Rate from 75%-25% **1.591E-05 m/s**



Soakaway Test Results & Soil Infiltration Rate

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Site: Ramsbury Manor, Marlborough

Ref: GI24.1109 **Trial Hole: TP2** **Test 1**

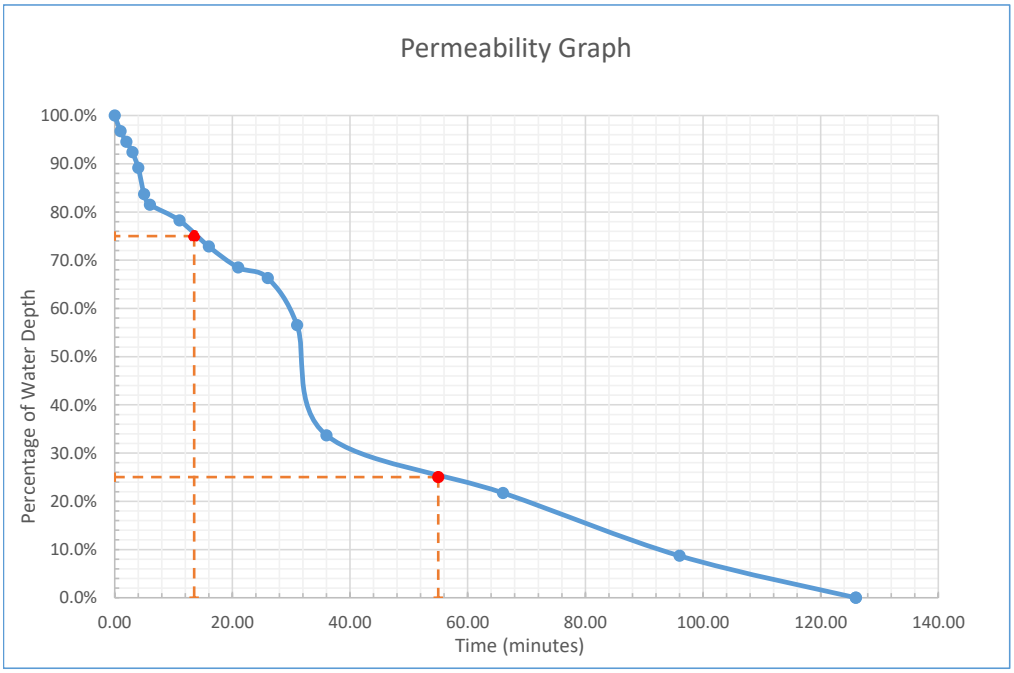
Time in minutes	Depth in metres to water surface	Head of Water from Base of Pit	Percentage of water depth at start
0.00	1.080	0.920	100.0%
1.00	1.110	0.890	96.7%
2.00	1.130	0.870	94.6%
3.00	1.150	0.850	92.4%
4.00	1.180	0.820	89.1%
5.00	1.230	0.770	83.7%
6.00	1.250	0.750	81.5%
11.00	1.280	0.720	78.3%
16.00	1.330	0.670	72.8%
21.00	1.370	0.630	68.5%
26.00	1.390	0.610	66.3%
31.00	1.480	0.520	56.5%
36.00	1.690	0.310	33.7%
66.00	1.800	0.200	21.7%
96.00	1.920	0.080	8.7%
126.00	2.000	0.000	0.0%
126.00			0.0%

INFILTRATION CALCULATED FROM 75%-25% WATER DEPTH RANGE

Pit Size	
Length	1.00
Width	0.30
Depth	2.00

Time in mins	
13.5	75%
55	25%

Infiltration Rate from 75%-25% **3.70466E-05 m/s**



Soakaway Test Results & Soil Infiltration Rate

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Site: Ramsbury Manor, Marlborough

Ref: GI24.1109 **Trial Hole: TP2** **Test 2**

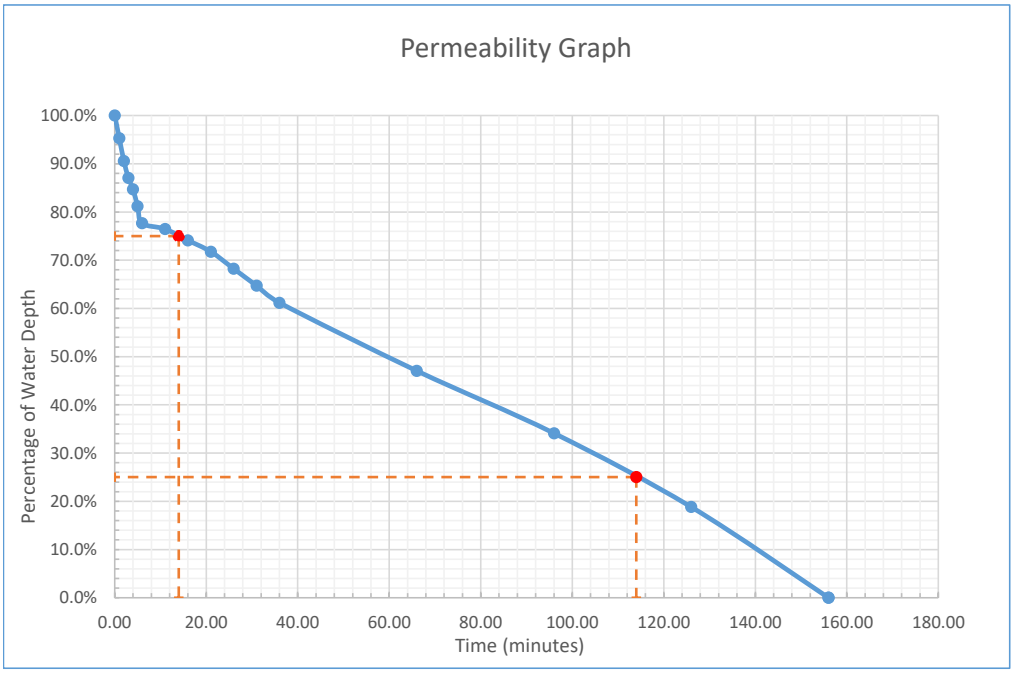
Time in minutes	Depth in metres to water surface	Head of Water from Base of Pit	Percentage of water depth at start
0.00	1.150	0.850	100.0%
1.00	1.190	0.810	95.3%
2.00	1.230	0.770	90.6%
3.00	1.260	0.740	87.1%
4.00	1.280	0.720	84.7%
5.00	1.310	0.690	81.2%
6.00	1.340	0.660	77.6%
11.00	1.350	0.650	76.5%
16.00	1.370	0.630	74.1%
21.00	1.390	0.610	71.8%
26.00	1.420	0.580	68.2%
31.00	1.450	0.550	64.7%
36.00	1.480	0.520	61.2%
66.00	1.600	0.400	47.1%
96.00	1.710	0.290	34.1%
126.00	1.840	0.160	18.8%
156.00	2.000	0.000	0.0%
156.00			0.0%

INFILTRATION CALCULATED FROM 75%-25% WATER DEPTH RANGE

Pit Size	
Length	1.00
Width	0.30
Depth	2.00

Time in mins	
14	75%
114	25%

Infiltration Rate from 75%-25% **1.51246E-05 m/s**



Soakaway Test Results & Soil Infiltration Rate

constructiveevaluation
site investigation • building pathology

Site: Ramsbury Manor, Marlborough

Ref: GI24.1109 **Trial Hole: TP2** **Test 3**

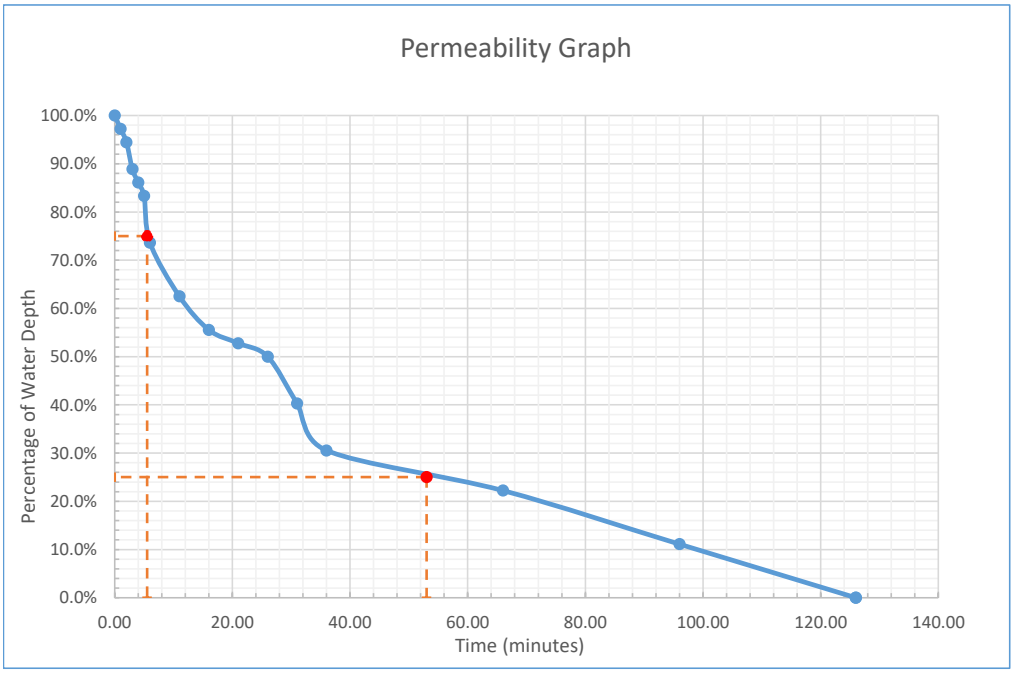
Time in minutes	Depth in metres to water surface	Head of Water from Base of Pit	Percentage of water depth at start
0.00	1.280	0.720	100.0%
1.00	1.300	0.700	97.2%
2.00	1.320	0.680	94.4%
3.00	1.360	0.640	88.9%
4.00	1.380	0.620	86.1%
5.00	1.400	0.600	83.3%
6.00	1.470	0.530	73.6%
11.00	1.550	0.450	62.5%
16.00	1.600	0.400	55.6%
21.00	1.620	0.380	52.8%
26.00	1.640	0.360	50.0%
31.00	1.710	0.290	40.3%
36.00	1.780	0.220	30.6%
66.00	1.840	0.160	22.2%
96.00	1.920	0.080	11.1%
126.00	2.000	0.000	0.0%
126.00			0.0%

INFILTRATION CALCULATED FROM 75%-25% WATER DEPTH RANGE

Pit Size	
Length	1.00
Width	0.30
Depth	2.00

Time in mins	
5.5	75%
53	25%

Infiltration Rate from 75%-25% **3.06592E-05 m/s**



APPENDIX E

Geotechnical Laboratory Testing

GEOLABS Limited
Bucknalls Lane
Garston
Watford
Hertfordshire
WD25 9XX

Tel: +44(0) 1923 892 190
Fax: +44(0) 1923 892 191
email: admin@geolabs.co.uk
web: www.geolabs.co.uk

Constructive Evaluation Limited
Unit15/16 Ford Lane Industrial Estate
Ford Lane
Ford
Arundel
West Sussex
BN18 0UZ

For the attention of Mr L Saxton

21 October 2024
Report No : GEO/41280/01

		Date samples received	24/09/2024
Our ref	**GEO / 41280**	Date written instructions received	24/09/2024
Your ref	**GI24.1109**	Date testing commenced	25/09/2024
Order ref	**GI24.1109**	**Date of sample disposal**	**18/11/2024**

Project **RAMSBURY MANOR, MALBOROUGH**

Further to your instructions we have pleasure in enclosing the results of the tests you requested in the attached figures.

LABORATORY TEST REPORT

Item No	Test Quantity	Description
1	~	Liquid & Plastic Limits Summary
~	3	Water Content
~	3	Liquid & Plastic Limits
2	1	Saturation Water Content
3	~	Geochemical Test Summary
~	2	BRE SD1 Suite B - Natural ground + pyrite
4	7	California Bearing Ratio

Any opinions or interpretations expressed herein are outside the scope of UKAS accreditation. All results contained in this report are provisional unless signed by an approved signatory. The results contained in this report relate only to samples received in the laboratory and are tested 'as received' unless otherwise stated. This report should not be reproduced, except in full, without the written approval of the laboratory. The results reported are applicable only to the test items received by the laboratory.

All the necessary data required by the documented test procedures has been recorded and will be stored for a period of not less than 6 years. This data will be issued to yourselves at your request. All samples will be disposed of after the date shown above. Written confirmation will be required to retain the samples beyond this period and a storage charge may be applied.

We trust that the above meets your requirements and should you require any further information or assistance, please do not hesitate to contact us.

Yours faithfully
on behalf of **GEOLABS Limited**

[redacted]

S Burke
Senior Technician

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Registered Office: Bucknalls Lane Garston Watford Hertfordshire WD25 9XX Registered in England and Wales No: 3177641

BS EN ISO 17892-12 : 2018+A2:2022

SUMMARY OF LIQUID AND PLASTIC LIMIT TESTS

Location	Depth m	Sample Ref	Sample Type	Description	Water Content BS EN ISO 17892-1 : 2014 +A1:2022 %	Liquid Limit %	Plastic Limit %	Plasticity Index %	Percentage Passing 425µm %	Atterberg Classification	Test Type	Sample Condition
TP2	0.50		D	Orange brown sandy gravelly CLAY.	11.2	51	23	28	30	CH	2	3
WLS1	0.80		D	Orange brown sandy gravelly CLAY with rare roots.	16.0	45	20	25	69	CI	2	3
WLS2	1.10		D	Orange brown and white sandy gravelly silty CLAY. Gravel is flint and chalk.	12.4	27	16	11	67	CL	2	3

Test Type: 2 - 4 point 80g / 30° fall cone method.

Sample condition: 1 - As Received
2 - Air Dried
3 - Washed & Air Dried

Checked and Approved by:

[redacted]

S Burke - Senior Technician
21/10/2024

Project Number:

GEO / 41280

Project Name:

RAMSBURY MANOR, MALBOROUGH
GI24.1109

GEOLABS®
UKAS TESTING 1982

1125 - SMC Summary - 41280.XLSM

BS 1377-2 : 2022 : 4.2

SATURATION WATER CONTENT OF CHALK

Location	Depth m	Sample Ref	Sample Type	Description	Water Content BS EN ISO 17892-1 : 2014 %	Bulk Density BS EN ISO 17892-2 : 2014 : 5.2 Mg/m³	Dry Density BS EN ISO 17892-2 : 2014 : 5.2 Mg/m³	Saturation Water Content %	Porosity %
CP1	6.50-6.95		U	White CHALK	20.7	2.21	1.83	18	32

Notes

GL Version 22.220908-1125

Tested by SB
Checked and Approved by

[redacted]

S Burke - Senior Technician
21/10/2024

Project Number:

GEO / 41280

Project Name:

RAMSBURY MANOR, MALBOROUGH

GI24.1109

GEOLABS®

1240 - Chemical Test Summary - 41280.XLSM

SUMMARY OF CHEMICAL TESTS ON SOIL

Location	Depth m	Sample Ref	Sample Type	pH Value	Total Acid Soluble Sulphate as SO4 %	Water Soluble Sulphate as SO4 2:1 Water:Soil Extract g/l	Total Sulphur %	Water Soluble Chloride g/l	Water Soluble Nitrate g/l	Magnesium g/l	Organic Content %	Mass Loss on Ignition %	Carbonate Content %
TP1	1.00		D	9.0	0.023	< 0.010	0.010	-	-	-	-	-	-
WLS2	1.00		D	8.9	0.018	< 0.010	0.010	-	-	-	-	-	-

Tested by Eurofins Chemtest Ltd : MCERTS / UKAS No 2183

Checked and Approved by:

[redacted]

S Burke - Senior Technician
21/10/2024

Project Number:

GEO / 41280

Project Name:

RAMSBURY MANOR, MALBOROUGH
GI24.1109

GEOLABS®

BS 1377-2 : 2022 : Clause 15

CALIFORNIA BEARING RATIO

Location	TP10
Sample Depth	0.50 m
Sample Type	D

Description:

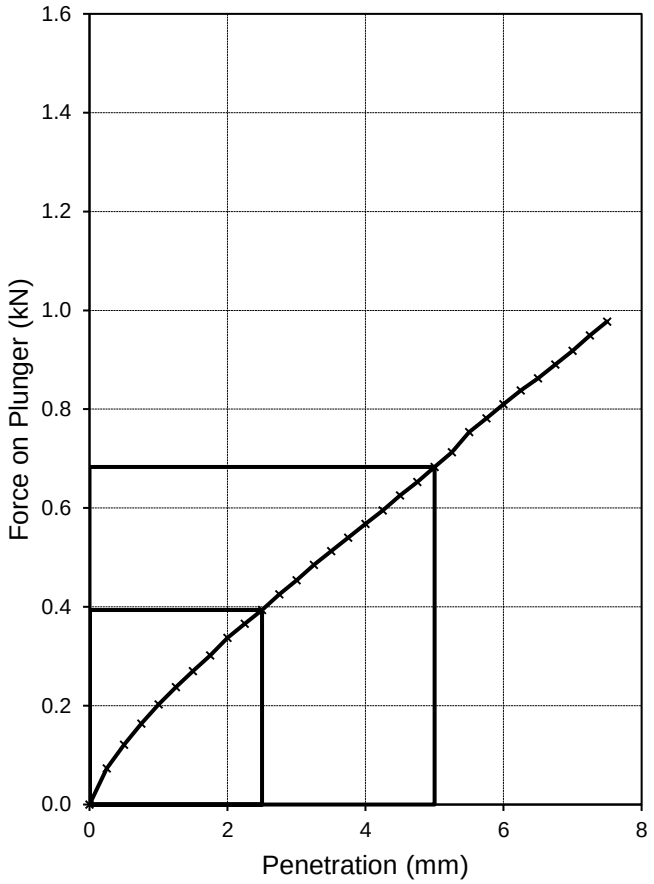
Dark brown sandy silty gravelly CLAY with rare roots.

PREPARATION DETAILS

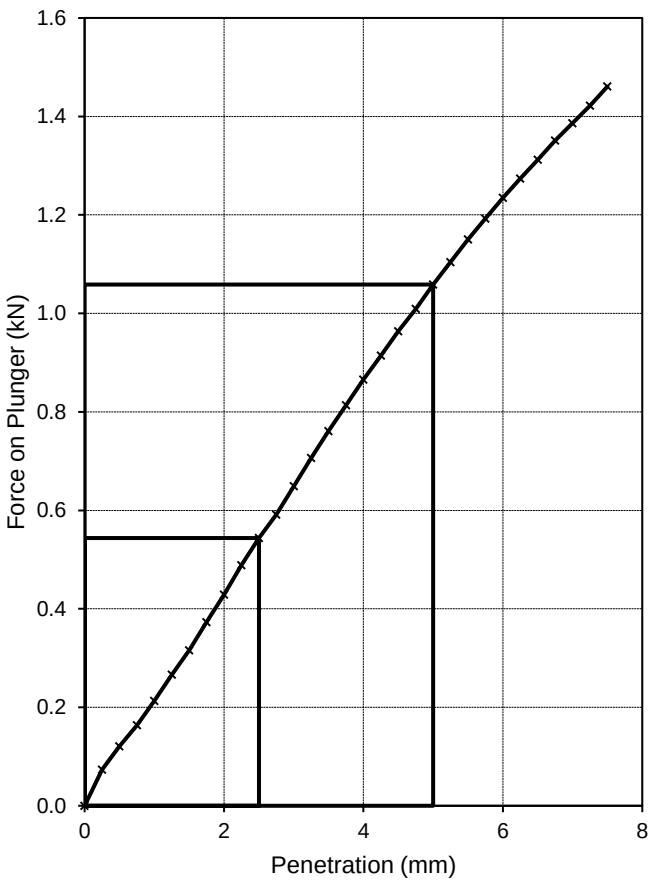
The specimen was soaked for 4 days, after which swelling equilibrium had been reached with 0.2 % vertical swell.
The specimen was prepared at the as received water content of 21%
The specimen was prepared by dynamic compaction using a 4.5 kg rammer
Soaked specimen bulk density 1.99 Mg/m³ (1.98 Mg/m³ before soaking)
Soaked specimen dry density 1.64 Mg/m³ (1.64 Mg/m³ before soaking)
17.2 % of the sample was retained on a 20mm sieve

Test Details	Top	Base
Surcharge	10.0 kg	50.0 kg
Seating load	8 N	8 N
Water content	23 %	20 %
CBR Value	3.4 %	5.3 %

Top of Specimen



Base of Specimen



Tested by LH
Checked and Approved by

[redacted]

S Burke - Senior Technician
21/10/2024

Project Number:

GEO / 41280

Project Name:

RAMSBURY MANOR, MALBOROUGH
GI24.1109

GEOLABS

UKAS TESTING 1982

BS 1377-2 : 2022 : Clause 15

CALIFORNIA BEARING RATIO

Location	TP3
Sample Depth	0.50 m
Sample Type	B

Description:

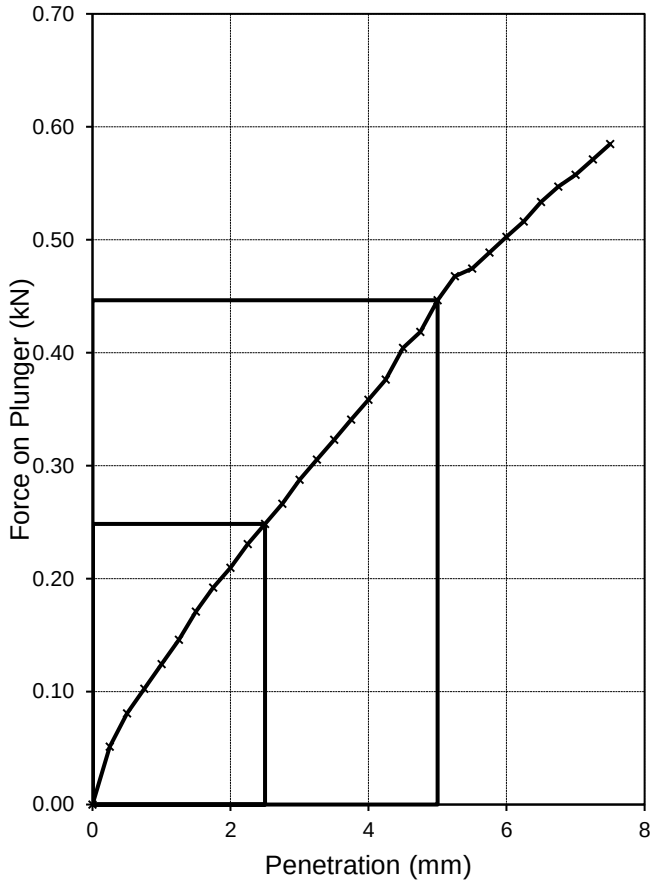
Dark brown sandy silty gravelly CLAY with rare roots.

PREPARATION DETAILS

The specimen was soaked for 4 days, after which swelling equilibrium had been reached with 0.0 % vertical swell.
The specimen was prepared at the as received water content of 21%
The specimen was prepared by dynamic compaction using a 4.5 kg rammer
Soaked specimen bulk density 2.02 Mg/m³ (2.02 Mg/m³ before soaking)
Soaked specimen dry density 1.67 Mg/m³ (1.67 Mg/m³ before soaking)
18.1 % of the sample was retained on a 20mm sieve

Test Details	Top	Base
Surcharge	8.0 kg	8.0 kg
Seating load	10 N	10 N
Water content	22 %	21 %
CBR Value	2.2 %	2.2 %

Top of Specimen



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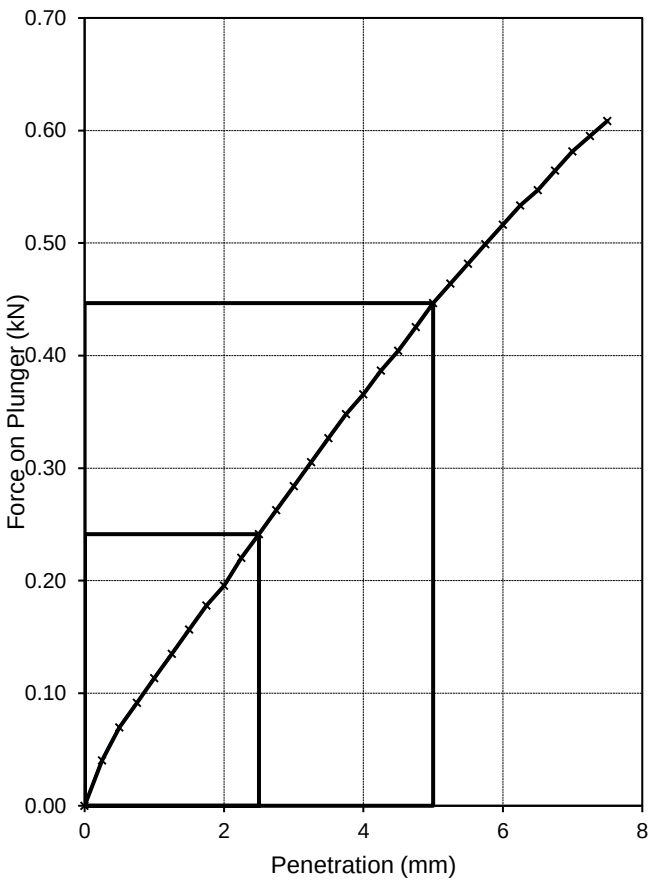

Tested by LH
Checked and Approved by

[redacted]

S Burke - Senior Technician
21/10/2024

Project Number:

GEO / 41280

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RAMSBURY MANOR, MALBOROUGH
GI24.1109

GEOLABS

UKAS TESTING 1982

BS 1377-2 : 2022 : Clause 15

CALIFORNIA BEARING RATIO

Location	TP4
Sample Depth	0.50 m
Sample Type	B

Description:

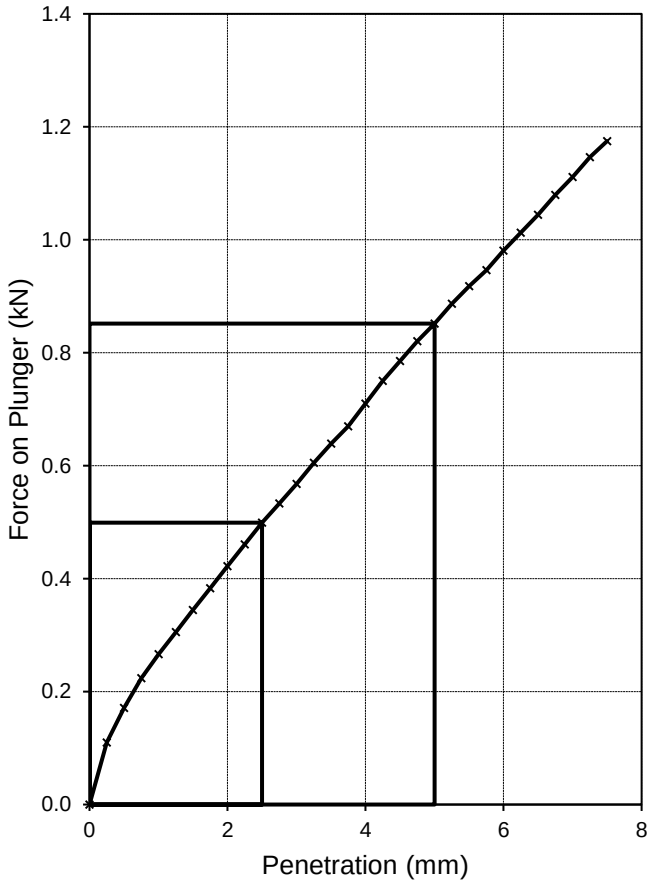
Dark brown sandy silty gravelly CLAY with rare roots.

PREPARATION DETAILS

The specimen was soaked for 4 days, after which swelling equilibrium had been reached with 0.0 % vertical swell.
The specimen was prepared at the as received water content of 19%
The specimen was prepared by dynamic compaction using a 4.5 kg rammer
Soaked specimen bulk density 2.07 Mg/m³ (2.06 Mg/m³ before soaking)
Soaked specimen dry density 1.74 Mg/m³ (1.74 Mg/m³ before soaking)
15.1 % of the sample was retained on a 20mm sieve

Test Details	Top	Base
Surcharge	8.0 kg	8.0 kg
Seating load	10 N	10 N
Water content	19 %	18 %
CBR Value	4.3 %	4.0 %

Top of Specimen



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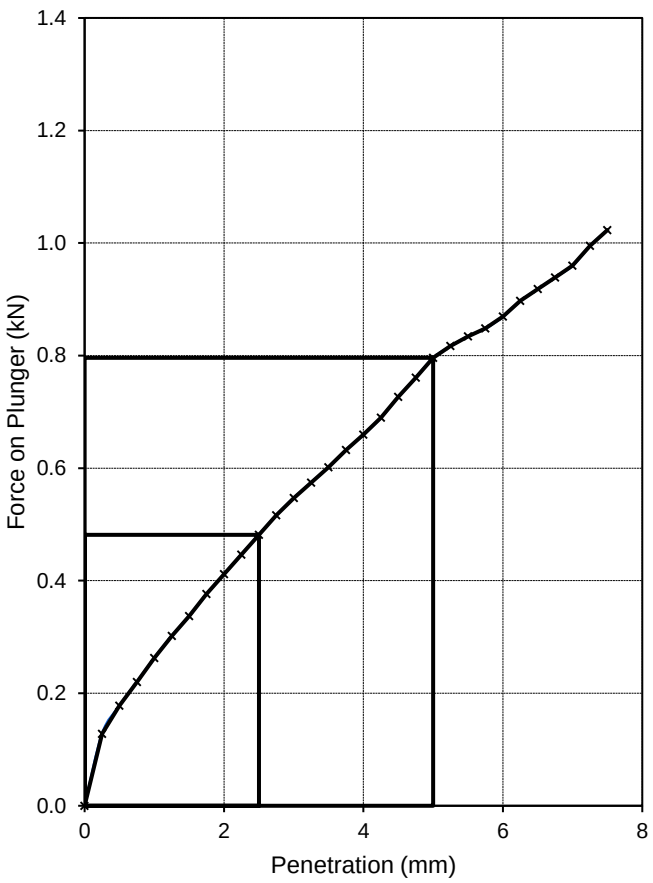

Tested by LH
Checked and Approved by

[redacted]

S Burke - Senior Technician
21/10/2024

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GEOLABS
UKAS TESTING 1982

BS 1377-2 : 2022 : Clause 15

CALIFORNIA BEARING RATIO

Location	TP5
Sample Depth	0.50 m
Sample Type	D

Description:

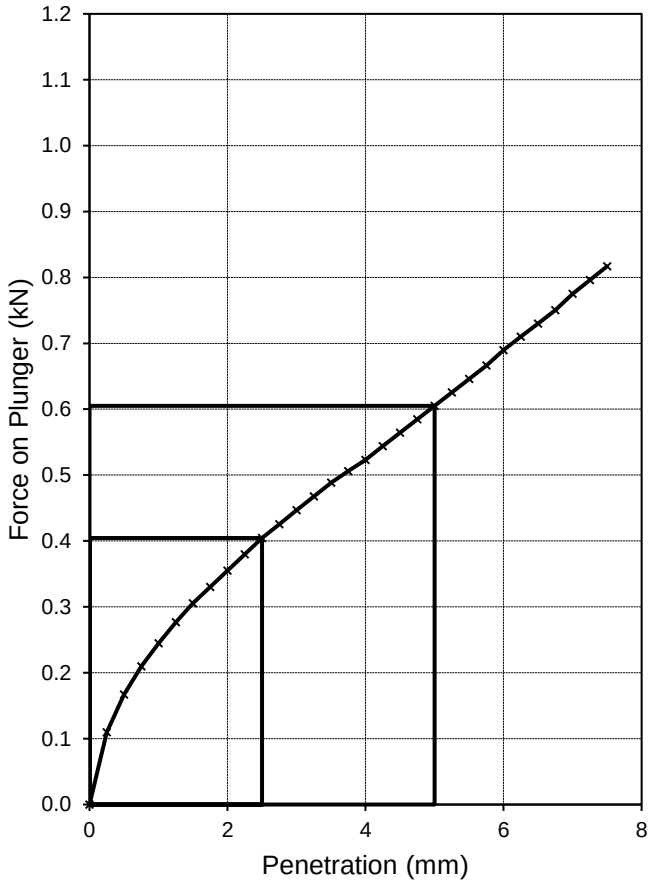
Dark brown sandy silty gravelly CLAY with rare roots.

PREPARATION DETAILS

The specimen was soaked for 4 days, after which swelling equilibrium had been reached with 0.1 % vertical swell.
The specimen was prepared at the as received water content of 21%
The specimen was prepared by dynamic compaction using a 4.5 kg rammer
Soaked specimen bulk density 2.03 Mg/m³ (2.03 Mg/m³ before soaking)
Soaked specimen dry density 1.68 Mg/m³ (1.68 Mg/m³ before soaking)
3.8 % of the sample was retained on a 20mm sieve

Test Details	Top	Base
Surcharge	8.0 kg	8.0 kg
Seating load	10 N	10 N
Water content	21 %	21 %
CBR Value	3.1 %	4.0 %

Top of Specimen



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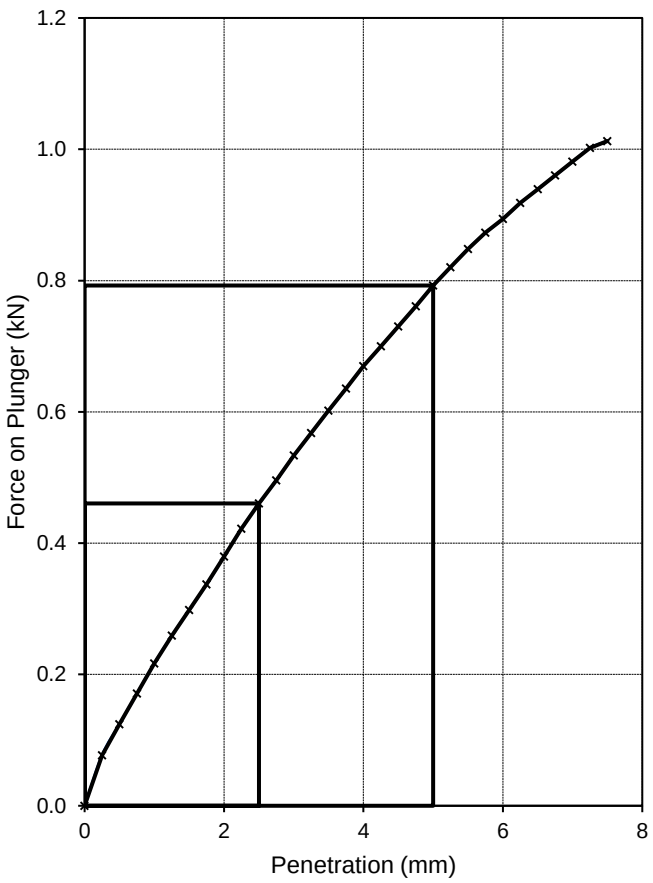

Tested by LH
Checked and Approved by

[redacted]

S Burke - Senior Technician
21/10/2024

Project Number:

GEO / 41280

Project Name:

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GI24.1109

GEOLABS

UKAS TESTING 1982

BS 1377-2 : 2022 : Clause 15

CALIFORNIA BEARING RATIO

Location	TP7
Sample Depth	0.50 m
Sample Type	D

Description:

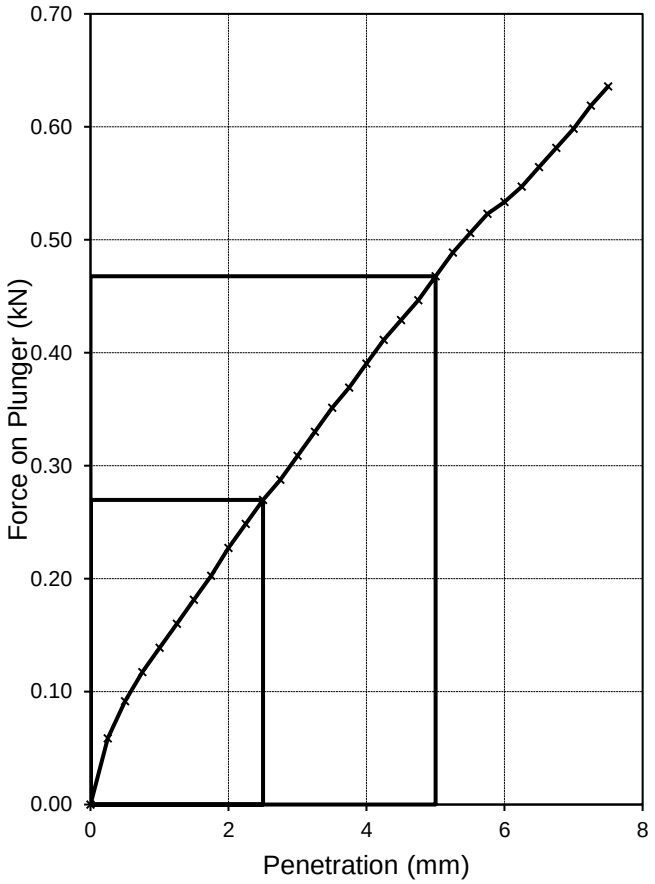
Dark brown sandy silty gravelly CLAY with rare roots.

PREPARATION DETAILS

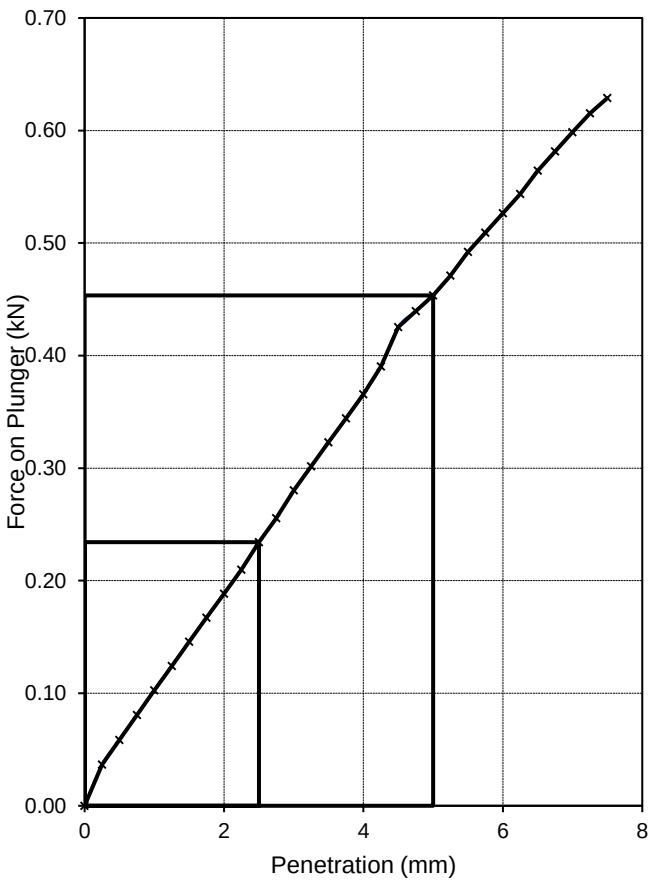
The specimen was soaked for 4 days, after which swelling equilibrium had been reached with 0.0 % vertical swell.
The specimen was prepared at the as received water content of 18%
The specimen was prepared by dynamic compaction using a 4.5 kg rammer
Soaked specimen bulk density 2.06 Mg/m³ (2.05 Mg/m³ before soaking)
Soaked specimen dry density 1.73 Mg/m³ (1.73 Mg/m³ before soaking)
19.8 % of the sample was retained on a 20mm sieve

Test Details	Top	Base
Surcharge	8.0 kg	8.0 kg
Seating load	10 N	10 N
Water content	18 %	19 %
CBR Value	2.3 %	2.3 %

Top of Specimen



Base of Specimen



Tested by LH
Checked and Approved by

[redacted]

S Burke - Senior Technician
21/10/2024

Project Number:

GEO / 41280

Project Name:

RAMSBURY MANOR, MALBOROUGH
GI24.1109

GEOLABS

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BS 1377-2 : 2022 : Clause 15

CALIFORNIA BEARING RATIO

Location	TP8
Sample Depth	0.50 m
Sample Type	B

Description:

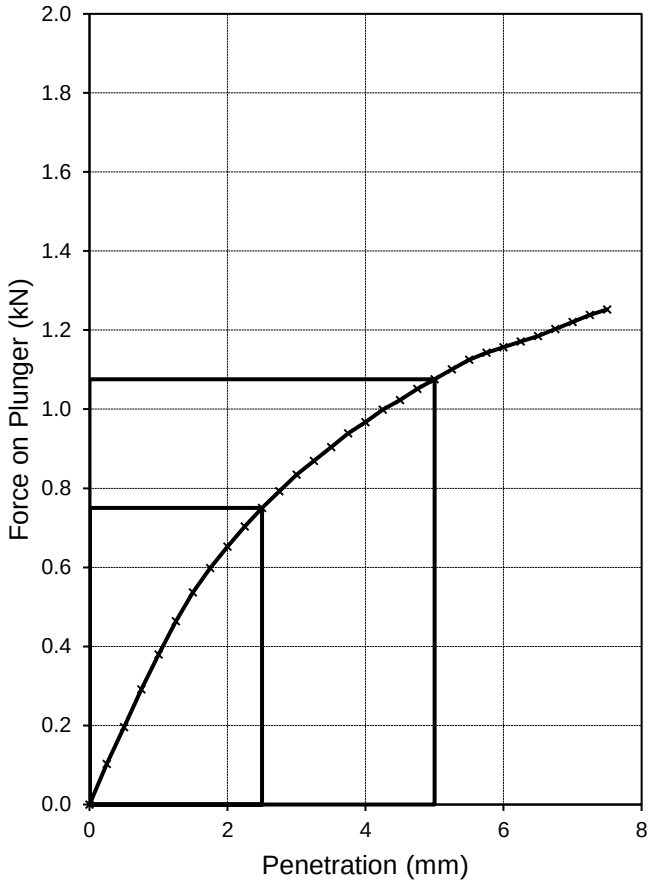
Dark brown sandy silty gravelly CLAY with rare roots.

PREPARATION DETAILS

The specimen was soaked for 4 days, after which swelling equilibrium had been reached with 0.1 % vertical swell.
The specimen was prepared at the as received water content of 22%
The specimen was prepared by dynamic compaction using a 4.5 kg rammer
Soaked specimen bulk density 2.05 Mg/m³ (2.05 Mg/m³ before soaking)
Soaked specimen dry density 1.67 Mg/m³ (1.67 Mg/m³ before soaking)
13.6 % of the sample was retained on a 20mm sieve

Test Details	Top	Base
Surcharge	8.0 kg	8.0 kg
Seating load	50 N	50 N
Water content	24 %	22 %
CBR Value	5.7 %	7.5 %

Top of Specimen



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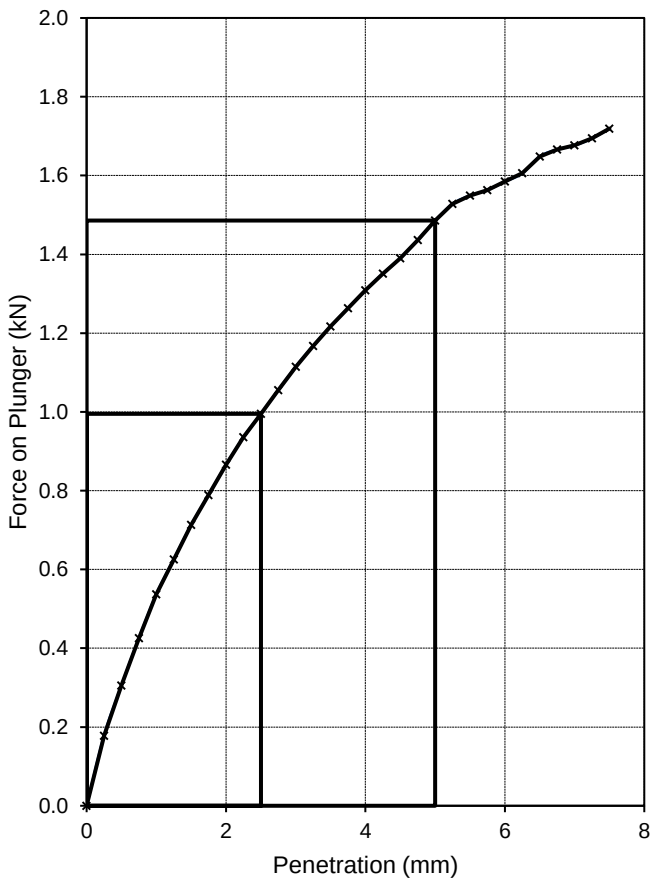

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Checked and Approved by
[redacted]
S Burke - Senior Technician
21/10/2024

Project Number:

GEO / 41280

Project Name:

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GI24.1109

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UKAS TESTING 1982

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CALIFORNIA BEARING RATIO

Location	TP9
Sample Depth	0.50 m
Sample Type	D

Description:

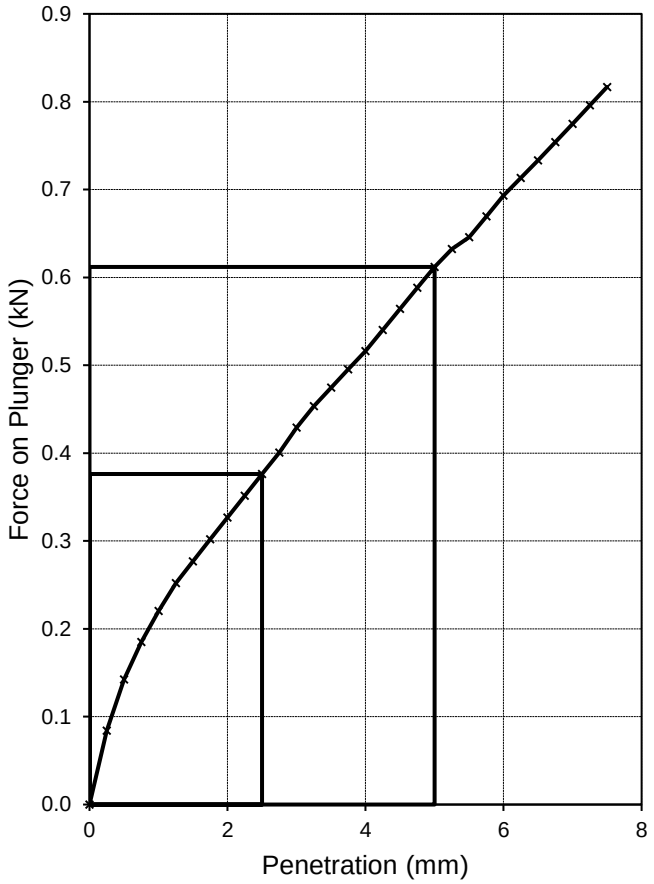
Brown sandy silty gravelly CLAY with rare roots

PREPARATION DETAILS

The specimen was soaked for 4 days, after which swelling equilibrium had been reached with 0.1 % vertical swell.
The specimen was prepared at the as received water content of 19%
The specimen was prepared by dynamic compaction using a 4.5 kg rammer
Soaked specimen bulk density 2.05 Mg/m³ (2.05 Mg/m³ before soaking)
Soaked specimen dry density 1.72 Mg/m³ (1.72 Mg/m³ before soaking)
11.7 % of the sample was retained on a 20mm sieve

Test Details	Top	Base
Surcharge	8.0 kg	8.0 kg
Seating load	10 N	10 N
Water content	20 %	18 %
CBR Value	3.1 %	2.4 %

Top of Specimen



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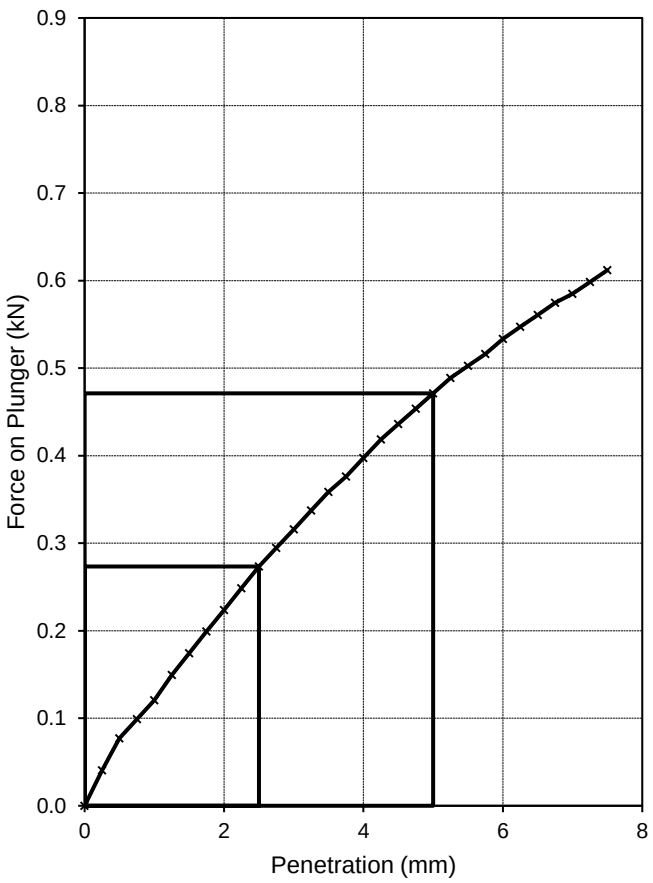

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[redacted]

S Burke - Senior Technician
21/10/2024

Project Number:

GEO / 41280

Project Name:

RAMSBURY MANOR, MALBOROUGH
GI24.1109

GEOLABS

UKAS TESTING 1982

APPENDIX F

Report Terms and Conditions

Trading Terms

Unless specifically stated within the tender/quotation or unless identified within the introduction to this report it is confirmed that this report has been compiled wholly in accord with Constructive Evaluation Limited's terms of engagement. This report is provided for sole use by the Client and is confidential to them. No responsibility whatsoever for the contents of the report will be accepted to anyone other than the Client.

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Context

This report is written in the context of an agreed scope of work between Constructive Evaluation Limited and the Client and should not be used in a different context. In light of additional information becoming available, improved practices and changes in legislation amendment or re-interpretation of the report in whole or part may be necessary after its original submission.

Professional Interpretation

The recommendations made and opinions expressed in the report are based on the conditions revealed by the site works together with an assessment of the data from the insitu and laboratory testing or in respect of the desktop reports. No responsibility can be accepted for conditions that have not been revealed by the research, site works and testing.

The Client is advised that the conditions observed on site by Constructive Evaluation Limited at the time of any site survey may be subject to change. Certain indicators of the presence of hazardous substances may have been latent at the time of the most recent site reconnaissance and they may subsequently have become evident. It is not possible to assess areas which are inaccessible or where access is not granted and CE accept no liability for risks subsequently identified therein.

The conceptual model, Risk assessment and sampling regime has been formulated in accordance with current UK guidance at time of production based upon the relevant information gained from Phase 1 and Phase 2 investigations. While the model and assessment offer opinions and interpretations of these guidelines, the comments made are for guidance only and no liability can be accepted for their accuracy. It is possible that aspects of desktop study may need to be altered to conform to the requirements of the statutory regulatory bodies.

Intrusive Field Operations

The data collected through direct operations in the production of this report has been so obtained, unless directly otherwise stated, in accordance with current UK guidance, law or accepted industry practice, including but not limited to: BS.5930: 1990 Code of Practice for Site Investigations (Amendment 2: 2010), BS 10175:2011+A1:2013 Investigations into Potentially Contaminated Sites, and BS.8576:2013 Guidance on Investigations for Ground Gas – Permanent Gases and Volatile Organic Compounds. Exact exploratory locations will depend upon access conditions, site use and plant capability, CE do not accept liability for issues arising from material identified between or outside of the area of exploratory locations.

Laboratory Testing

Unless stated otherwise within the text, all geotechnical and material laboratory tests have been performed in accordance with the relevant British Standard Documents. Laboratory testing for contaminated land assessment is completed under the UKAS / MCERTS accreditation schemes, unless identified as otherwise in the report.

Human Health Risk Assessment Criteria

The Environment Agency has recently undertaken revision of the Soil Guideline Values (SGVs) which are partially complete. Where standards are available using the "new" approach, these have been utilised for correlative purposes. Where standards have not yet been revised, guidance following the "old" approach has been utilised. Please note that upon release of the remaining guidelines, the standards contained within this report may be subject to change. In addition, the second edition of the LQM CIEH guidance has now been released and will be utilised in favour of previously published guideline values.

Third Parties

The findings and opinions conveyed in this report are based on information obtained from a variety of sources, including that from previous Site investigations and chemical testing laboratories. Constructive Evaluation Limited has assumed that such information is correct. Constructive Evaluation Limited cannot and does not guarantee the authenticity or reliability of the information it has relied upon and can accept no responsibility for inaccuracies with the data supplied by other parties.

The accuracy of the historical map extracts supplied cannot be guaranteed and it should be noted that different conditions may have existed between mapping sheet editions. Therefore, there can be no certainty that all areas of contamination have been identified during the Phase 1 investigation.

Definitions

Reference to the word "contamination" in this report does not relate to the statutory definition of contaminated land under 1990 Environmental Protection Act unless otherwise stated. The definition used in this report is: "Land that contains substances that, when present in sufficient quantities or concentrations, are likely to cause harm, directly or indirectly, to man, to the environment, or on occasion to other targets" (NATO CCMS, 1985). CE Ltd 2014

APPENDIX C

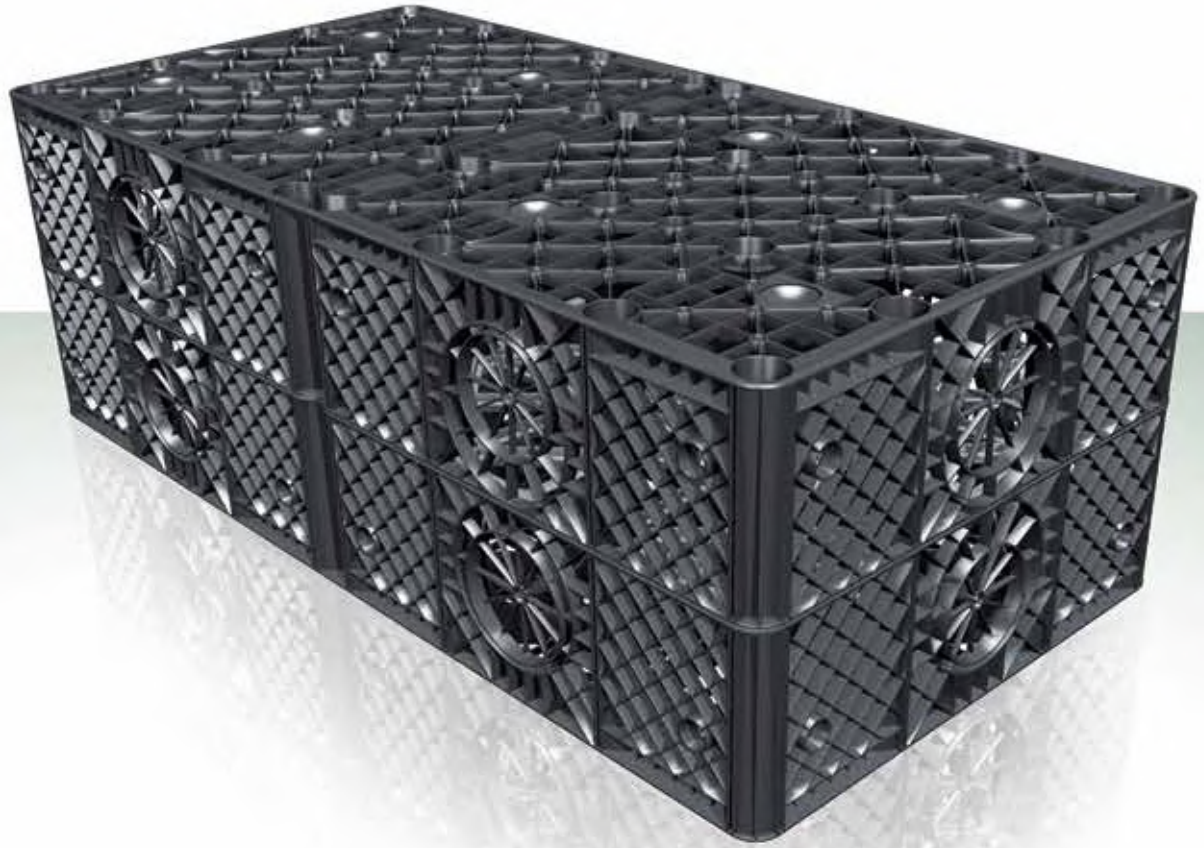
STORMCRATE TECHNICAL DETAILS

BRETT MARTIN

Plumbing & Drainage

StormCrate

Stormwater Attenuation & Infiltration Crates



- Cellular stormwater attenuation crates
- Ideal for domestic soakaways
- 3.3 StormCrates per 1m³ storage capacity
- Lightweight and easy to install in up to 10 layers
- High strength crate with lorry bearing of up to 60 tonnes
- Fully inspectable for future maintenance when used with StormCrate Inspect Crates
- Cost-effective and space saving

BRETT MARTIN

Plumbing & Drainage

Stormwater Management

Brett Martin's StormCrates are modular geocellular units which are used predominantly as below ground stormwater attenuation, surface water infiltration and soakaway systems. The StormCrates are designed to be stacked together to create a structural below ground holding tank or to allow the infiltration of stormwater into the ground around them. The void created by the StormCrates can then fill up with stormwater during heavy rainfall conditions. The collected stormwater then soaks away slowly into the drainage system or ground water table over a more sustained period of time. Extensive use of this type of stormwater attenuation module has helped relieve pressure on conventional surface water drainage systems in line with the Sustainable Urban Drainage Systems (SUDS) program advocated by the Environment Agency.

StormCrate Benefits

STORMWATER MANAGEMENT

- StormCrates provide a highly effective means of managing stormwater, contributing to reducing the risk of flooding:
  - Rainwater Infiltration: StormCrates can be wrapped in a geotextile which allows stored water to slowly seep into the surrounding ground and back into the water table.
  - Rainwater Attenuation: A more common practice is to surround StormCrates with an impermeable geomembrane to create a sealed underground tank. The outlet from this tank is then controlled to facilitate a slow release of the stored water back into the drainage system over a longer period.

STORMWATER CAPACITY

- The cellular structure of StormCrate maximises water holding capabilities and each StormCrate has a capacity to store up to 300L or 0.3m³ of stormwater.
- The modular nature of StormCrates allow the system to be scaled appropriately depending on calculated runoff requirements, so for example, 10 StormCrates store 3m³ of stormwater.

QUICK & EASY TO INSTALL

- Comprising modular units, StormCrates are quick and easy to install in residential, commercial and industrial projects.
- Weighing in at only 18kg per module, StormCrates can be easily lifted and set in place by hand without the need for heavy lifting equipment on site.
- The shallow installation depths, with a minimum 250mm cover required above crates for driveway loading and a minimum 500mm cover required above crates for lorry loading, means less dig and site spoil.
- The individual modules are joined using practical connectors, a very simple but effective jointing method, which allows crates to fit together quickly and with ease.
- Once installed the crates are fully inspectable for future maintenance when used with StormCrate Inspect Crates (Inspect Crates available to special order).

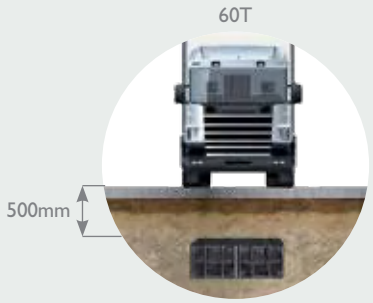
LOAD BEARING

- The lorry bearing design ensures extreme load capacity thanks to StormCrates stable column structure.
  - StormCrate facilitates SLW 60-bearability with a 500mm (19.7") covering, which represents a vehicle of up to 60t.
  - The lorry bearing design can bear a long-term load of approximately 3.5t per m².
  - There are no limits on the use and design of the surface over the system and StormCrates may be successfully installed under parking areas, driveways and landscaped areas.

CAN BE INSTALLED 10 LAYERS DEEP WITH 2 METERS MAXIMUM EARTH COVERING FOR 60T LORRY BEARING

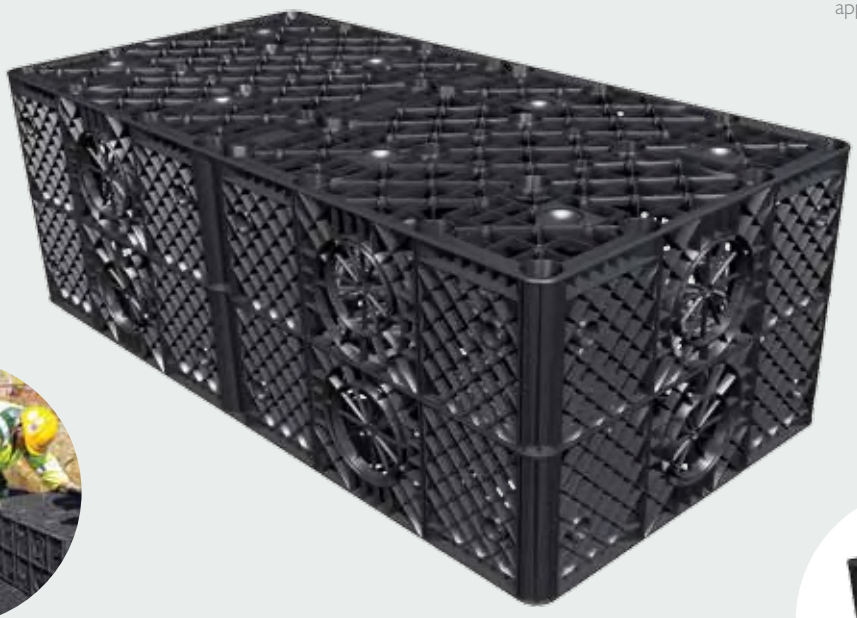
MODULAR DESIGN

StormCrates are designed to be easily stacked or laid in rows



HIGH PERFORMANCE LOADING

StormCrates have a lorry bearing design of 60t and can bear a long term load of approximatelty 3.5t per m^2



QUICK AND EASY TO INSTALL

At only 18kg per module, StormCrates are easily lifted by hand

EASY CONNECTION

StormCrates fit quickly and simply together with four connectors per block

STORMWATER MANAGEMENT

StormCrates steadily disperse high intensity stormwater by infiltration or attenuation. Each crate has a capacity of 300L or $0.3m^2$

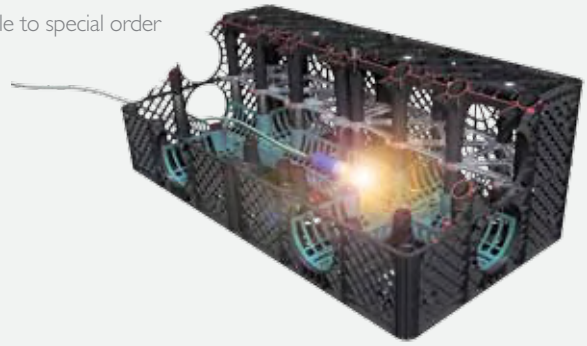
Stormwater Attenuation Range

STORMCRATES

Code BRRB33

INSPECT CRATES

Available to special order



GEOTEXTILES / MEMBRANES

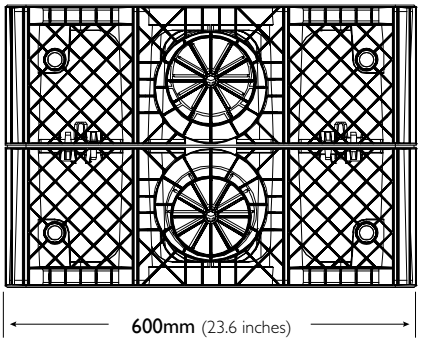
It is recommended that StormCrates are installed with a 300g/m^2 geotextile or a 1.0mm LLDPE membrane. Available to special order

SPARE CONNECTOR

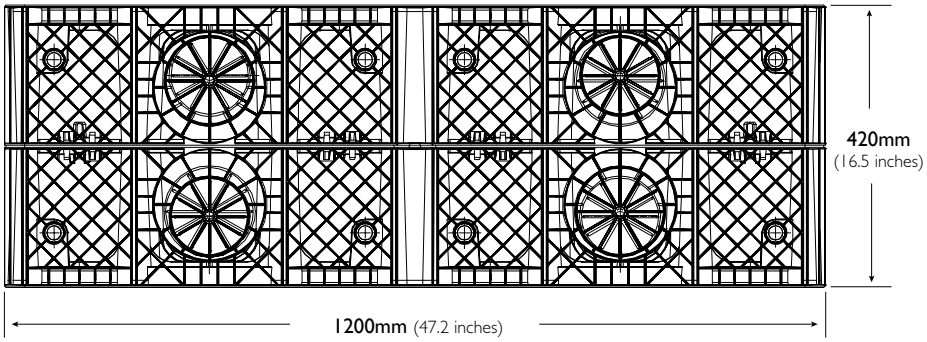
Code BRRBJI
(4 included with each crate)

StormCrate Product Illustration

FRONT VIEW



SIDE VIEW



STORMCRATE SPECIFICATION

Volume (ltrs)	Length (mm)	Width (mm)	Height (mm)	Weight	Colour	Material
300 (net 285)	1200	600	420	18kg	Black	100% Polypropylene

BRETT MARTIN

Plumbing & Drainage

StormCrate Traffic Load

Site specific loading calculations are provided on request.

TRANSPORTATION LOADS		STORMCRATE
Short duration		Max. 10,0 t/m²
Long duration		Max. 5,0 t/m²
Light traffic (and without traffic loads)	max. Earth covering*	2750mm
	max. Installation depth*	5000mm
	max. Number of layers	10 layers
	min. Earth covering	250mm
HGV12 (12t)	max. Earth covering*	2750mm
	max. Installation depth*	5000mm
	max. Number of layers	10 layers
	min. Earth covering	500mm
SLW30 (30t)	max. Earth covering*	2500mm
	max. Installation depth*	5000mm
	max. Number of layers	10 layers
	min. Earth covering	500mm
SLW40 (40t)	max. Earth covering*	2250mm
	max. Installation depth*	5000mm
	max. Number of layers	10 layers
	min. Earth covering	500mm
SLW60 (60t)	max. Earth covering*	2000mm
	max. Installation depth*	5000mm
	max. Number of layers	10 layers
	min. Earth covering	500mm

The maximum installation depth or earth covering* is related to the ground substance with an inside angle of friction from $\phi = 50,0°$

BRETT MARTIN

Plumbing & Drainage

Ireland

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Northern Ireland, BT36 4RB
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Fax: 028 9083 6666
Sales Counter: 028 9084 8999
Email: sales@brettmartin.com

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England S43 3JP
Tel: 01246 280000
Fax: 01246 280001
Email: building@brettmartin.com

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Sundon Park
Luton, Bedfordshire
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Cumbernauld, Glasgow
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Tel: 01236 725536
Fax: 01236 725871
Email: scotland@brettmartin.com

For the latest company information
visit the company's website:
www.brettmartin.com

bsi. ISO 9001 Quality Management FM 09125

RIBA CPD PROVIDERS NETWORK

BMF SUPPLIER MEMBER

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4645

APPENDIX D

MAINTENANCE MANAGEMENT PLAN

SuDS MAINTENANCE MANAGEMENT PLAN

This document sets out the principles for the long-term management and maintenance of the proposed surface water Sustainable Drainage Systems (SuDS) installed at the Estate Yard and Exhibition Centre at Ramsbury Manor, Wiltshire.

The purpose of this document is to ensure that the adopting operator of the building is entrusted with a robust inspection and maintenance programme, ensuring the optimum operation of the surface water drainage network is continually maintained for the lifetime of the development and to prevent the increased risk of flooding both on and off site.

As a managed facility all SuDS systems will be the responsibility of the company operating/running Ramsbury Manor to maintain.

SUDS are engineered solutions that aim to mimic natural drainage processes. They help to reduce pollution of watercourses and localised flooding, as well as providing amenity benefit and biodiversity.

Key Factors to be considered during maintenance

- Undesirable plants – all efforts should be made to prevent drains becoming blocked and the growth of unintentional vegetation which could be detrimental to the intentional plant regime, biodiversity aims and the building fabric.
- Regular site attendance for litter collection, grass cutting and checking of inlets, outlets and control structures.
- Occasional visits to brush clean inlet gullies and drainage channels, remove silt from source control features.
- Drain heads and outlets – all drainage points must be checked every year and cleared out it if necessary to ensure optimum performance.

The maintenance of all drainage features serving the development will be maintained by the building owner/operator. Ongoing maintenance activities for this infrastructure are detailed below.

All those responsible for the maintenance operations should adhere to the relevant health and safety legislation for the activities listed within this report (including lone working, if relevant). Method statements and risk assessments should always be completed prior to the undertaking of any works.

Soakaway

The ongoing maintenance activities for below ground cellular storage crates are detailed below.

Soakaway	
Regular Maintenance	***Frequency***
Inspection - Record and clean as required	Monthly
Litter and debris removal	Monthly
Occasional Tasks	***Frequency***
CCTV survey is blockages identified, jet clean as required. In line with manufacturers recommendations	As required
Remedial Work	***Frequency***
Jet clean as required. In line with manufacturers recommendations	As required

Catch Pit /Silt interceptor

The ongoing maintenance activities for the petrol and silt interceptor should be in line with manufacturer recommendations. A summary of the typical expected requirements is detailed below.

Catch Pit / Silt interceptor	
Regular Maintenance	***Frequency***
Inspection - Record and empty/clean as required	Monthly
Litter and debris removal	Monthly
Testing alarm system	Annually
Occasional Tasks	***Frequency***
Service – in line with manufacturers recommendations	As required in line with manufacturers recommendations
Remedial Work	***Frequency***
Jet clean as required. In line with manufacturers recommendations	As required in line with manufacturers recommendations

Permeable and Porous Surfaces

The ongoing maintenance activities for below Permeable and Porous Surfaces are detailed below.

Permeable and Porous Surfaces	
Regular Maintenance	***Frequency***
Cleaning Brush regularly and remove sweepings from all hard surfaces	Monthly
Occasional Tasks	***Frequency***
Brush and vacuum surface once a year to prevent silt blockage and enhance design life.	As required
Remedial Work	***Frequency***
Re-grit pacing blocks	Annually
Relay block paviours	As required
Monitor effectiveness of permeable pavement and when water does not infiltrate immediately advise Client of possible need for reinstatement of top layers or specialist cleaning. • Recent experience suggests jet washing and suction efficiency. • cleaning will substantially reinstate pavement to 90%	As required

Conventional Surface Water Drainage Features

The maintenance of all drainage features serving the development will be maintained by the building owner/operator. Ongoing maintenance activities for this infrastructure are detailed below.

Maintenance Activity	**Action**	**Frequency**
Check gully pots, linear drainage channels and catchpits	Check, clean and empty gully pots and catchpits as required to remove debris and sediment	Regular - Monthly
Check manholes and inspection chambers	Inspect manholes and inspection chambers for any signs of blockages. Clean, jet and empty as required	Regular - Annually
CCTV survey and jetting of drains	Check the integrity of drains, jet and clean as required. Remove collected debris as required	As necessary Every 5 years
Hydrobrake chambers / Vortex Flow Control – visual inspection	Check and remove any silt build up or blockages in accordance with the Manufacturers recommendations	Typically annually or as required

Records

A service log will be maintained which will include details of all scheduled maintenance required. Logs will be incorporated that record when checks were carried out and whether any actions are deemed necessary. If actions are required, a breakdown of the maintenance measures undertaken or in progress will be logged along with the date when the action was or is to be scheduled.

Records will be maintained by the management company for a minimum period of 5 years.

APPENDIX E

SURFACE WATER SUDS CALCULATIONS

2080 – Estate Yard and Exhibition Centre at Ramsbury Manor, Wiltshire

Estate Yard

The site area occupies the southeast corner of an approximately rhombus-shaped grass covered field. The site slopes south-eastward from approximately 134m AOD to 123m AOD resulting in a gradient of approximately 4.5 degrees.

The majority of the site is covered by grass except for a private drive passing east to southwest within the nearside of the southern boundary, the road comprises blacktop and is bordered by a row of trees along both sides along its length. The trees noted are of mature deciduous nature, but the species were unknown

No surface water features, ditches or drain runs were recorded on site or in the local vicinity.

An intrusive site investigation was undertaken in November 2024. A copy of the report is contained within Appendix B. Groundwater was not recorded during the investigation. Given the elevation of the site it is likely that groundwater will be at depth.

Soil infiltration testing was completed in the chalk found within TP1 and TP2 between 1.1mbgl and 2.0mbgl. Of the two positions tested, the lowest infiltration rates recorded were 1.48E-05 and 1.51E-05 m/s. A copy of the results is contained within he report in Appendix B.

The recorded infiltration rates confirm the use of soakaways would be suitable for discharge of surface water runoff from the buildings.

The proposed development comprises the following drainage areas. These are identified on the drawings within Appendix F.

Main Access and disabled Car Parking	1327m^2
Courtyard	891 m^2
Workshops and Stores	70+734+145 = 949m^2
Office Building	60m^2
Access Road Widening	141m^2
Main Car Park	987m^2
TOTAL	**4355m^2**

Soakaways have been designed to manage run off from the buildings.

Due to the site gradients the new access road to the Estates yard has been designed to discharge via a soakaway. The new Estates Yard buildings and courtyard have been designed to drain via a soakaway.
For the new car park area this area largely follows the profile of the existing site and so formation is not likely to be within the chalk strata. This area has therefore been designed to discharge via a series of infiltration trenches to accommodate the gradient. The car parking bays and road are designed to be grasscrete permeable surfaces with attenuation storage provided within the subbase.

The full drainage network including soakaway and attenuation storage has been designed to accommodate rainfall events up to 1 in 100 years with 40% climate change allowance within the drainage network with no surface flooding. Supporting calculations are attached for 1 in 2, 1 in 30 and 1 in 100 year events.

Exhibition Centre

The area of the proposed exhibition centre comprises several existing building that are to be demolished. These buildings form the existing Estate yard. The existing stable building is to be retained and the drainage serving this building is to be retained. A copy of the existing drainage to the retained building is shown in Appendix G which shows this building drains via soakaways located to the South.

No infiltration testing has yet been complete to the Exhibition Centre. The existing building including the retained Stables Building are drained via soakaways. When access is available testing will be undertaken at proposed soakaway locations to verify rates and design updated accordingly.

The recorded infiltration rates within the Estates Yard have been utilised in the design of soakaways for both site areas.

The proposed development comprises the following drainage areas. These are identified on the drawings within Appendix F.

Staff Building	271m^2
East Access Road and Car Parking	576+65 = 641 m^2
West Access Road and Car Parking	742m^2
Exhibition Centre	2232+56 = 2288m^2
TOTAL	**3942m^2**

Soakaways have been designed to manage run off from the buildings. The access road and car parking areas have been designed as permeable surfaces with infiltration to the ground.

The full drainage network including soakaway and attenuation storage has been designed to accommodate rainfall events up to 1 in 100 years with 40% climate change allowance within the drainage network with no surface flooding. Supporting calculations are attached for 1 in 2, 1 in 30 and 1 in 100 year events.

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflows Storm Phase: Phase	AFA Consulting Engineers Ltd		

Catchment Area

Type : Catchment Area

Area (ha)	0.02

Dynamic Sizing

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

Catchment Area (1)

Type : Catchment Area

Area (ha)	0.015

Dynamic Sizing

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

Catchment Area (2)

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

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

Catchment Area (3)

Type : Catchment Area

Area (ha)	0.023

Dynamic Sizing

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

Catchment Area (4) Type : Catchment Area

Area (ha)	0.012

Dynamic Sizing

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

Catchment Area (5) Type : Catchment Area

Area (ha)	0.007

Dynamic Sizing

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

Catchment Area (6) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

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

Catchment Area (7) Type : Catchment Area

Area (ha)	0.007

Dynamic Sizing

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

Catchment Area (8) Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

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

Catchment Area (9) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

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

Catchment Area (10) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

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

Catchment Area (11) Type : Catchment Area

Area (ha)	0.012

Dynamic Sizing

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

Catchment Area (12) Type : Catchment Area

Area (ha)	0.002

Dynamic Sizing

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

Catchment Area (19) Type : Catchment Area

Area (ha)	0.079

Dynamic Sizing

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

Catchment Area (20) Type : Catchment Area

Area (ha)	0.01

Dynamic Sizing

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

Catchment Area (21) Type : Catchment Area

Area (ha)	0.029

Dynamic Sizing

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

Catchment Area (18) Type : Catchment Area

Area (ha)	0.036

Dynamic Sizing

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

Catchment Area (22) Type : Catchment Area

Area (ha)	0.018

Dynamic Sizing

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

Catchment Area (23) Type : Catchment Area

Area (ha)	0.019

Dynamic Sizing

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

Catchment Area (24) Type : Catchment Area

Area (ha)	0.029

Dynamic Sizing

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

Catchment Area (13) Type : Catchment Area

Area (ha)	0.028

Dynamic Sizing

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

Catchment Area (14) Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

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

Catchment Area (15) Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

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

Catchment Area (16) Type : Catchment Area

Area (ha)	0.018

Dynamic Sizing

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

Catchment Area (17)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

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

Catchment Area (25)

Type : Catchment Area

Area (ha)	0.021

Dynamic Sizing

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

Catchment Area (26)

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

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

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junctions Storm Phase: Phase	AFA Consulting Engineers Ltd		

Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Chamber Shape	Diameter (m)
SIC02	Manhole	508041.792	165569.302	128.000	0.700	127.300	Circular	0.600
SIC01	Manhole	508052.357	165570.657	128.200	0.900	127.300	Circular	0.600
SMH07	Manhole	508025.555	165547.568	127.500	0.480	127.020	Circular	1.000
SMH06	Manhole	508030.606	165533.826	127.500	0.640	126.860	Circular	1.000
SMH05	Manhole	508046.138	165520.281	127.500	0.860	126.640	Circular	1.000
SMH04	Manhole	508058.562	165525.677	127.500	1.000	126.500	Circular	1.000
SMH03	Manhole	508062.990	165533.497	128.000	1.590	126.410	Circular	1.000
SMH09	Manhole	508048.837	165544.196	127.400	0.990	126.410	Circular	1.000
SMH02	Manhole	508076.315	165537.679	127.500	0.730	126.770	Circular	1.000
SMH01	Manhole	508083.880	165547.297	127.500	0.600	126.900	Circular	1.000
SWIC01	Manhole	508074.575	165514.471	126.235	0.575	125.660	Circular	0.600
SMH11	Manhole	508134.682	165531.678	122.350	1.200	121.150	Circular	1.000
SMH12	Manhole	508146.674	165533.816	121.300	1.300	120.000	Circular	1.000
RMH05	Manhole	508025.378	165610.984	133.420	0.900	132.520	Circular	1.000
RMH04	Manhole	508014.655	165581.091	131.050	0.900	130.150	Circular	1.000
RMH03	Manhole	508017.522	165550.528	129.800	0.900	128.900	Circular	1.000
RMH02	Manhole	508032.634	165523.239	128.400	0.900	127.500	Circular	1.000
RMH01	Manhole	508042.258	165512.738	127.400	0.900	126.500	Circular	1.000

Name	Lock
SIC02	None
SIC01	None
SMH07	None
SMH06	None
SMH05	None
SMH04	None
SMH03	None
SMH09	None
SMH02	None
SMH01	None
SWIC01	None
SMH11	None
SMH12	None
RMH05	None
RMH04	None
RMH03	None
RMH02	None
RMH01	None

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junctions Storm Phase: Phase	AFA Consulting Engineers Ltd		

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
SIC02	Inlet	Catchment Area (1)	(None)	No Restriction
	Inlet (1)	Catchment Area (5)	(None)	No Restriction
SIC01	Inlet	Catchment Area (3)	(None)	No Restriction
SMH07	Inlet	Pipe (4) Catchment Area (2)	(None)	No Restriction
SMH06	Inlet	Pipe (5)	(None)	No Restriction
	Inlet (1)	Catchment Area (7)	(None)	No Restriction
SMH05	Inlet	Pipe (6)	(None)	No Restriction
SMH04	Inlet	Pipe (7) Catchment Area (8)	(None)	No Restriction
SMH03	Inlet	Pipe (2)	(None)	No Restriction
	Inlet (1)	Pipe (8)	(None)	No Restriction
SMH09	Inlet	Catchment Area Catchment Area (6)	(None)	No Restriction
SMH02	Inlet	Pipe (1)	(None)	No Restriction
	Inlet (1)	Catchment Area (4) Catchment Area (20)	(None)	No Restriction
SMH01	Inlet	Pipe	(None)	No Restriction
SWIC01	Inlet	Catchment Area (10)	(None)	No Restriction
	Inlet (1)	Catchment Area (9)	(None)	No Restriction
SMH11	Inlet	Catchment Area (11)	(None)	No Restriction
SMH12	Inlet	Catchment Area (12)	(None)	No Restriction
RMH05	Inlet	Catchment Area (18)	(None)	No Restriction
RMH04	Inlet	Pipe (11)	(None)	No Restriction
	Inlet (1)	Catchment Area (22)	(None)	No Restriction
RMH03	Inlet	Pipe (19)	(None)	No Restriction
	Inlet (1)	Catchment Area (23)	(None)	No Restriction
RMH02	Inlet	Pipe (20)	(None)	No Restriction
RMH01	Inlet	Pipe (21)	(None)	No Restriction
	Inlet (1)	Catchment Area (24)	(None)	No Restriction

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
SIC02	Outlet	Pipe (4)	Free Discharge
SIC01	Outlet	Pipe	Free Discharge
SMH07	Outlet	Pipe (5)	Free Discharge
SMH06	Outlet	Pipe (6)	Free Discharge
SMH05	Outlet	Pipe (7)	Free Discharge
SMH04	Outlet	Pipe (8)	Free Discharge
SMH03	Outlet	Pipe (3)	Free Discharge
SMH09	Outlet	Pipe (9)	Free Discharge
SMH02	Outlet	Pipe (2)	Free Discharge
SMH01	Outlet	Pipe (1)	Free Discharge
SWIC01	Outlet	Pipe (10)	Free Discharge
SMH11	Outlet	Pipe (16)	Free Discharge
SMH12	Outlet	Pipe (17)	Free Discharge
RMH05	Outlet	Pipe (11)	Free Discharge
RMH04	Outlet	Pipe (19)	Free Discharge
RMH03	Outlet	Pipe (20)	Free Discharge
RMH02	Outlet	Pipe (21)	Free Discharge
RMH01	Outlet	Pipe (22)	Free Discharge

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Controls Storm Phase: Phase	AFA Consulting Engineers Ltd		

Soakaway

Type : Soakaway

Dimensions

Exceedance Level (m)	127.500
Depth (m)	2.900
Base Level (m)	124.600
Freeboard (mm)	800
Soakaway Shape	Rectangular
Diameter / Width (m)	4.200
Length (m)	16.800
Porosity (%)	95
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Side Infiltration Rate (m/hr)	0.053
Safety Factor	1.0
Total Volume (m³)	140.767

Inlets

Inlet

Incoming Item(s)	Pipe (3)
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Incoming Item(s)	Pipe (9)
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (2)

Incoming Item(s)	Catchment Area (19)
Bypass Destination	(None)
Capacity Type	No Restriction

Soakaway 2

Type : Soakaway

Dimensions

Exceedance Level (m)	126.250
Depth (m)	2.060
Base Level (m)	124.190
Freeboard (mm)	800
Soakaway Shape	Rectangular
Diameter / Width (m)	1.800
Length (m)	9.600
Porosity (%)	95
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Side Infiltration Rate (m/hr)	0.053
Safety Factor	1.0
Total Volume (m³)	20.684

Inlets

Inlet

Incoming Item(s)	Pipe (10) Catchment Area (21)
Bypass Destination	(None)
Capacity Type	No Restriction

Soakaway 3

Type : Soakaway

Dimensions

Exceedance Level (m)	120.500
Depth (m)	0.840
Base Level (m)	119.660
Freeboard (mm)	0
Soakaway Shape	Rectangular
Diameter / Width (m)	8.400
Length (m)	1.200
Porosity (%)	95
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Side Infiltration Rate (m/hr)	0.053
Safety Factor	1.0
Total Volume (m³)	8.044

Inlets

Inlet

Incoming Item(s)	Pipe (16)
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Incoming Item(s)	Pipe (17)
Bypass Destination	(None)
Capacity Type	No Restriction

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Controls Storm Phase: Phase	AFA Consulting Engineers Ltd		

Soakaway 3 (1)

Type : Soakaway

Dimensions

Exceedance Level (m)	127.000
Depth (m)	2.900
Base Level (m)	124.100
Freeboard (mm)	800
Soakaway Shape	Rectangular
Diameter / Width (m)	4.800
Length (m)	7.200
Porosity (%)	95
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Side Infiltration Rate (m/hr)	0.053
Safety Factor	1.0
Total Volume (m³)	68.947

Inlets

Inlet (1)

Incoming Item(s)	Pipe (22)
Bypass Destination	(None)
Capacity Type	No Restriction

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Controls Storm Phase: Phase	AFA Consulting Engineers Ltd		

Porous Paving

Type : Porous Paving

Dimensions

Exceedance Level (m)	123.000
Depth (m)	0.300
Base Level (m)	122.700
Paving Layer Depth (mm)	150
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	40.425
Long. Slope (1:X)	25.00
Width (m)	6.711
Total Volume (m^3)	12.209

Inlets

Inlet

Inlet Type	Lateral Inflow
Incoming Item(s)	Catchment Area (13)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe (12)
Outlet Type	Free Discharge

Advanced

Base Infiltration Rate (m/hr)	0.053
Safety Factor	2.0
Conductivity (m/hr)	1000.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Controls Storm Phase: Phase	AFA Consulting Engineers Ltd		

Porous Paving 2

Type : Porous Paving

Dimensions

Exceedance Level (m)	123.000
Depth (m)	0.300
Base Level (m)	122.700
Paving Layer Depth (mm)	150
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	18.122
Long. Slope (1:X)	25.00
Width (m)	7.535
Total Volume (m³)	6.145

Inlets

Inlet (1)

Inlet Type	Lateral Inflow
Incoming Item(s)	Catchment Area (14)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet (1)

Outgoing Connection	Pipe (13)
Outlet Type	Free Discharge

Advanced

Base Infiltration Rate (m/hr)	0.053
Safety Factor	2.0
Conductivity (m/hr)	1000.0

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Ramsbury Manor - Estate Yard	22/08/2025		
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Type: Stormwater Controls Storm Phase: Phase	AFA Consulting Engineers Ltd		

Porous Paving 3

Type : Porous Paving

Dimensions

Exceedance Level (m)	123.000
Depth (m)	0.300
Base Level (m)	122.700
Paving Layer Depth (mm)	150
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	11.922
Long. Slope (1:X)	25.00
Width (m)	3.677
Total Volume (m³)	1.973

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area (15)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet (2)

Outgoing Connection	Pipe (14)
Outlet Type	Free Discharge

Advanced

Base Infiltration Rate (m/hr)	0.053
Safety Factor	2.0
Conductivity (m/hr)	1000.0

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Type: Stormwater Controls Storm Phase: Phase	AFA Consulting Engineers Ltd		

Porous Paving 4

Type : Porous Paving

Dimensions

Exceedance Level (m)	123.000
Depth (m)	0.300
Base Level (m)	122.700
Paving Layer Depth (mm)	150
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	21.264
Long. Slope (1:X)	25.00
Width (m)	7.832
Total Volume (m³)	7.494

Inlets

Inlet (2)

Inlet Type	Lateral Inflow
Incoming Item(s)	Catchment Area (16)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet (3)

Outgoing Connection	Pipe (15)
Outlet Type	Free Discharge

Advanced

Base Infiltration Rate (m/hr)	0.053
Safety Factor	2.0
Conductivity (m/hr)	1000.0

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Type: Stormwater Controls Storm Phase: Phase	AFA Consulting Engineers Ltd		

Porous Paving 5

Type : Porous Paving

Dimensions

Exceedance Level (m)	123.000
Depth (m)	0.300
Base Level (m)	122.700
Paving Layer Depth (mm)	150
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	12.180
Long. Slope (1:X)	25.00
Width (m)	4.468
Total Volume (m³)	2.449

Inlets

Inlet

Inlet Type	Lateral Inflow
Incoming Item(s)	Catchment Area (17)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe (18)
Outlet Type	Free Discharge

Advanced

Base Infiltration Rate (m/hr)	0.053
Safety Factor	2.0
Conductivity (m/hr)	1000.0

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Type: Stormwater Controls Storm Phase: Phase	AFA Consulting Engineers Ltd		

Porous Paving 6

Type : Porous Paving

Dimensions

Exceedance Level (m)	123.000
Depth (m)	0.300
Base Level (m)	122.700
Paving Layer Depth (mm)	150
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	18.072
Long. Slope (1:X)	25.00
Width (m)	4.115
Total Volume (m³)	3.346

Inlets

Inlet

Inlet Type	Lateral Inflow
Incoming Item(s)	Catchment Area (26)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe (23)
Outlet Type	Free Discharge

Advanced

Base Infiltration Rate (m/hr)	0.053
Safety Factor	2.0
Conductivity (m/hr)	1000.0

Porous Paving 7

Type : Porous Paving

Dimensions

Exceedance Level (m)	123.000
Depth (m)	0.300
Base Level (m)	122.700
Paving Layer Depth (mm)	150
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	25.182
Long. Slope (1:X)	25.00
Width (m)	6.820
Total Volume (m^3)	7.728

Inlets

Inlet

Inlet Type	Lateral Inflow
Incoming Item(s)	Catchment Area (25)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe (24)
Outlet Type	Free Discharge

Advanced

Base Infiltration Rate (m/hr)	0.053
Safety Factor	2.0
Conductivity (m/hr)	1000.0

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Type: Stormwater Controls Storm Phase: Phase	AFA Consulting Engineers Ltd		

Infiltration Trench

Type : Infiltration Trench

Dimensions

Exceedance Level (m)	123.000
Depth (m)	1.300
Base Level (m)	121.700
Freeboard (mm)	150
Porosity (%)	30
Length (m)	6.200
Long. Slope (1:X)	100.00
Width (m)	1.000
Total Volume (m³)	2.139

Inlets

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (12)
Bypass Destination	(None)
Capacity Type	No Restriction

Advanced

Side Infiltration Rate (m/hr)	0.053
Safety Factor	1.0
Conductivity (m/hr)	1000.0

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Type: Stormwater Controls Storm Phase: Phase	AFA Consulting Engineers Ltd		

Infiltration Trench 2

Type : Infiltration Trench

Dimensions

Exceedance Level (m)	123.000
Depth (m)	1.300
Base Level (m)	121.700
Freeboard (mm)	150
Porosity (%)	30
Length (m)	11.183
Long. Slope (1:X)	100.00
Width (m)	1.000
Total Volume (m³)	3.858

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (13)
Bypass Destination	(None)
Capacity Type	No Restriction

Advanced

Side Infiltration Rate (m/hr)	0.053
Safety Factor	1.0
Conductivity (m/hr)	1000.0

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Type: Stormwater Controls Storm Phase: Phase	AFA Consulting Engineers Ltd		

Infiltration Trench 3

Type : Infiltration Trench

Dimensions

Exceedance Level (m)	123.000
Depth (m)	1.300
Base Level (m)	121.700
Freeboard (mm)	150
Porosity (%)	30
Length (m)	5.001
Long. Slope (1:X)	100.00
Width (m)	1.000
Total Volume (m³)	1.725

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (14)
Bypass Destination	(None)
Capacity Type	No Restriction

Advanced

Side Infiltration Rate (m/hr)	0.053
Safety Factor	1.0
Conductivity (m/hr)	1000.0

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Type: Stormwater Controls Storm Phase: Phase	AFA Consulting Engineers Ltd		

Infiltration Trench 4

Type : Infiltration Trench

Dimensions

Exceedance Level (m)	123.000
Depth (m)	1.300
Base Level (m)	121.700
Freeboard (mm)	150
Porosity (%)	30
Length (m)	11.342
Long. Slope (1:X)	100.00
Width (m)	1.000
Total Volume (m³)	3.913

Inlets

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (15)
Bypass Destination	(None)
Capacity Type	No Restriction

Advanced

Side Infiltration Rate (m/hr)	0.053
Safety Factor	1.0
Conductivity (m/hr)	1000.0

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Type: Stormwater Controls Storm Phase: Phase	AFA Consulting Engineers Ltd		

Infiltration Trench 5

Type : Infiltration Trench

Dimensions

Exceedance Level (m)	123.000
Depth (m)	1.300
Base Level (m)	121.700
Freeboard (mm)	150
Porosity (%)	30
Length (m)	4.994
Long. Slope (1:X)	100.00
Width (m)	1.000
Total Volume (m³)	1.723

Inlets

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (18)
Bypass Destination	(None)
Capacity Type	No Restriction

Advanced

Side Infiltration Rate (m/hr)	0.053
Safety Factor	1.0
Conductivity (m/hr)	1000.0

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Type: Stormwater Controls Storm Phase: Phase	AFA Consulting Engineers Ltd		

Infiltration Trench 7

Type : Infiltration Trench

Dimensions

Exceedance Level (m)	123.000
Depth (m)	1.300
Base Level (m)	121.700
Freeboard (mm)	150
Porosity (%)	30
Length (m)	11.289
Long. Slope (1:X)	100.00
Width (m)	1.000
Total Volume (m³)	3.895

Inlets

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (24)
Bypass Destination	(None)
Capacity Type	No Restriction

Advanced

Side Infiltration Rate (m/hr)	0.053
Safety Factor	1.0
Conductivity (m/hr)	1000.0

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Type: Stormwater Controls Storm Phase: Phase	AFA Consulting Engineers Ltd		

Infiltration Trench 6

Type : Infiltration Trench

Dimensions

Exceedance Level (m)	123.000
Depth (m)	1.300
Base Level (m)	121.700
Freeboard (mm)	150
Porosity (%)	30
Length (m)	5.066
Long. Slope (1:X)	100.00
Width (m)	1.000
Total Volume (m³)	1.748

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (23)
Bypass Destination	(None)
Capacity Type	No Restriction

Advanced

Side Infiltration Rate (m/hr)	0.053
Safety Factor	1.0
Conductivity (m/hr)	1000.0

Project - 2080:	Date:		
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Report Details:	Company Address:		
Type: Connections Storm Phase: Phase	AFA Consulting Engineers Ltd		

Name	Length (m)	Connection Type	Slope (1:X)	Manning's n	Colebrook-White Roughness (mm)	Diameter / Base Width (mm)	Upstream Cover Level (m)	Upstream Invert Level (m)
Pipe	39.236	Pipe	98.089		0.6	150	128.200	127.300
Pipe (1)	12.237	Pipe	94.128		0.6	150	127.500	126.900
Pipe (2)	13.966	Pipe	38.795		0.6	150	127.500	126.770
Pipe (3)	1.377	Pipe	0.761		0.6	150	128.000	126.410
Pipe (4)	27.129	Pipe	96.888		0.6	150	128.000	127.300
Pipe (5)	14.641	Pipe	91.504		0.6	150	127.500	127.020
Pipe (6)	20.609	Pipe	93.675		0.6	150	127.500	126.860
Pipe (7)	13.545	Pipe	96.748		0.6	150	127.500	126.640
Pipe (8)	8.986	Pipe	99.849		0.6	150	127.500	126.500
Pipe (9)	1.967	Pipe	1.087		0.6	150	127.400	126.410
Pipe (16)	8.659	Pipe	5.811		0.6	100	122.350	121.150
Pipe (17)	1.558	Pipe	4.581		0.6	100	121.300	120.000
Pipe (10)	7.635	Pipe	5.194		0.6	100	126.235	125.660
Pipe (11)	31.759	Pipe	13.400		0.6	150	133.420	132.520
Pipe (19)	30.697	Pipe	24.558		0.6	150	131.050	130.150
Pipe (20)	31.193	Pipe	22.281		0.6	150	129.800	128.900
Pipe (21)	14.245	Pipe	14.245		0.6	150	128.400	127.500
Pipe (22)	7.304	Pipe	3.043		0.6	150	127.400	126.500
Pipe (12)	1.032	Pipe	1.100		0.6	450	124.617	122.700
Pipe (13)	1.092	Pipe	1.229		0.6	450	123.725	122.700
Pipe (14)	1.143	Pipe	1.203		0.6	450	123.477	122.700
Pipe (15)	1.163	Pipe	1.312		0.6	450	123.851	122.700
Pipe (18)	1.171	Pipe	1.233		0.6	450	123.487	122.700
Pipe (23)	1.106	Pipe	1.165		0.6	450	123.723	122.700
Pipe (24)	1.113	Pipe	1.255		0.6	450	124.007	122.700

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Part Family	Lock	Culvert Type	Culvert Entrance
Pipe	127.500	126.900		None	(None)	(None)
Pipe (1)	127.500	126.770		None	(None)	(None)
Pipe (2)	128.000	126.410		None	(None)	(None)
Pipe (3)	127.500	124.600		None	(None)	(None)
Pipe (4)	127.500	127.020		None	(None)	(None)
Pipe (5)	127.500	126.860		None	(None)	(None)
Pipe (6)	127.500	126.640		None	(None)	(None)
Pipe (7)	127.500	126.500		None	(None)	(None)
Pipe (8)	128.000	126.410		None	(None)	(None)
Pipe (9)	127.500	124.600		None	(None)	(None)
Pipe (16)	120.500	119.660		None	(None)	(None)
Pipe (17)	120.500	119.660		None	(None)	(None)
Pipe (10)	126.250	124.190		None	(None)	(None)
Pipe (11)	131.050	130.150		None	(None)	(None)
Pipe (19)	129.800	128.900		None	(None)	(None)
Pipe (20)	128.400	127.500		None	(None)	(None)
Pipe (21)	127.400	126.500		None	(None)	(None)
Pipe (22)	127.000	124.100		None	(None)	(None)
Pipe (12)	123.062	121.762		None	(None)	(None)
Pipe (13)	123.112	121.812		None	(None)	(None)
Pipe (14)	123.050	121.750		None	(None)	(None)
Pipe (15)	123.113	121.813		None	(None)	(None)
Pipe (18)	123.050	121.750		None	(None)	(None)
Pipe (23)	123.051	121.751		None	(None)	(None)
Pipe (24)	123.113	121.813		None	(None)	(None)

Project - 2080:	Date:		
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Type: Manhole Schedule Storm Phase: Phase	AFA Consulting Engineers Ltd		

Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SIC02	128.000 127.300	Diameter / Length: 0.600					Manhole
E:508041.792 N:165569.302	0.700		{a} Pipe (4)	Pipe	127.300	Diam/Width:150	Not Applicable
SIC01	128.200 127.300	Diameter / Length: 0.600					Manhole
E:508052.357 N:165570.657	0.900		{a} Pipe	Pipe	127.300	Diam/Width:150	Not Applicable
SMH07	127.500 127.020	Diameter / Length: 1.000	{1} Pipe (4)	Pipe	127.020	Diam/Width:150	Manhole
E:508025.555 N:165547.568	0.480		{a} Pipe (5)	Pipe	127.020	Diam/Width:150	Not Applicable
SMH06	127.500 126.860	Diameter / Length: 1.000	{1} Pipe (5)	Pipe	126.860	Diam/Width:150	Manhole
E:508030.606 N:165533.826	0.640		{a} Pipe (6)	Pipe	126.860	Diam/Width:150	Not Applicable
SMH05	127.500 126.640	Diameter / Length: 1.000	{1} Pipe (6)	Pipe	126.640	Diam/Width:150	Manhole
E:508046.138 N:165520.281	0.860		{a} Pipe (7)	Pipe	126.640	Diam/Width:150	Not Applicable

Project - 2080:	Date:		
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Type: Manhole Schedule Storm Phase: Phase	AFA Consulting Engineers Ltd		

Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SMH04	127.500 126.500	Diameter / Length: 1.000	{1} Pipe (7)	Pipe	126.500	Diam/Width:150	Manhole
E:508058.562 N:165525.677	1.000		{a} Pipe (8)	Pipe	126.500	Diam/Width:150	Not Applicable
SMH03	128.000 126.410	Diameter / Length: 1.000	{1} Pipe (2)	Pipe	126.410	Diam/Width:150	Manhole
E:508062.990 N:165533.497	1.590		{2} Pipe (8)	Pipe	126.410	Diam/Width:150	
			{a} Pipe (3)	Pipe	126.410	Diam/Width:150	Not Applicable
SMH09	127.400 126.410	Diameter / Length: 1.000					Manhole
E:508048.837 N:165544.196	0.990		{a} Pipe (9)	Pipe	126.410	Diam/Width:150	Not Applicable
SMH02	127.500 126.770	Diameter / Length: 1.000	{1} Pipe (1)	Pipe	126.770	Diam/Width:150	Manhole
E:508076.315 N:165537.679	0.730		{a} Pipe (2)	Pipe	126.770	Diam/Width:150	Not Applicable
SMH01	127.500 126.900	Diameter / Length: 1.000	{1} Pipe	Pipe	126.900	Diam/Width:150	Manhole
E:508083.880 N:165547.297	0.600		{a} Pipe (1)	Pipe	126.900	Diam/Width:150	Not Applicable

Project - 2080:	Date:		
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Type: Manhole Schedule Storm Phase: Phase	AFA Consulting Engineers Ltd		

Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SWIC01	126.235 125.660	Diameter / Length: 0.600					Manhole
E:508074.575 N:165514.471	0.575		{a} Pipe (10)	Pipe	125.660	Diam/Width:100	Not Applicable
SMH11	122.350 121.150	Diameter / Length: 1.000					Manhole
E:508134.682 N:165531.678	1.200		{a} Pipe (16)	Pipe	121.150	Diam/Width:100	Not Applicable
SMH12	121.300 120.000	Diameter / Length: 1.000					Manhole
E:508146.674 N:165533.816	1.300		{a} Pipe (17)	Pipe	120.000	Diam/Width:100	Not Applicable
RMH05	133.420 132.520	Diameter / Length: 1.000					Manhole
E:508025.378 N:165610.984	0.900		{a} Pipe (11)	Pipe	132.520	Diam/Width:150	Not Applicable
RMH04	131.050 130.150	Diameter / Length: 1.000	{1} Pipe (11)	Pipe	130.150	Diam/Width:150	Manhole
E:508014.655 N:165581.091	0.900		{a} Pipe (19)	Pipe	130.150	Diam/Width:150	Not Applicable

Project - 2080:	Date:		
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Type: Manhole Schedule Storm Phase: Phase	AFA Consulting Engineers Ltd		

Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
RMH03	129.800 128.900	Diameter / Length: 1.000	{1} Pipe (19)	Pipe	128.900	Diam/Width:150	Manhole
E:508017.522 N:165550.528	0.900		{a} Pipe (20)	Pipe	128.900	Diam/Width:150	Not Applicable
RMH02	128.400 127.500	Diameter / Length: 1.000	{1} Pipe (20)	Pipe	127.500	Diam/Width:150	Manhole
E:508032.634 N:165523.239	0.900		{a} Pipe (21)	Pipe	127.500	Diam/Width:150	Not Applicable
RMH01	127.400 126.500	Diameter / Length: 1.000	{1} Pipe (21)	Pipe	126.500	Diam/Width:150	Manhole
E:508042.258 N:165512.738	0.900		{a} Pipe (22)	Pipe	126.500	Diam/Width:150	Not Applicable

Project - 2080:	Date:		
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Type: Inflow Summary Storm Phase: Phase	AFA Consulting Engineers Ltd		

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	SMH09		Time of Concentration	0.020	100	0	100	0.020
Catchment Area (1)	SIC02		Time of Concentration	0.015	100	0	100	0.015
Catchment Area (2)	SMH07		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (3)	SIC01		Time of Concentration	0.023	100	0	100	0.023
Catchment Area (4)	SMH02		Time of Concentration	0.012	100	0	100	0.012
Catchment Area (5)	SIC02		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (6)	SMH09		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (7)	SMH06		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (8)	SMH04		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (9)	SWIC01		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (10)	SWIC01		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (11)	SMH11		Time of Concentration	0.012	100	0	100	0.012
Catchment Area (12)	SMH12		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (13)	Porous Paving		Time of Concentration	0.028	100	0	100	0.028
Catchment Area (14)	Porous Paving 2		Time of Concentration	0.014	100	0	100	0.014
Catchment Area (15)	Porous Paving 3		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (16)	Porous Paving 4		Time of Concentration	0.018	100	0	100	0.018
Catchment Area (17)	Porous Paving 5		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (18)	RMH05		Time of Concentration	0.036	100	0	100	0.036
Catchment Area (19)	Soakaway		Time of Concentration	0.079	100	0	100	0.079
Catchment Area (20)	SMH02		Time of Concentration	0.010	100	0	100	0.010
Catchment Area (21)	Soakaway 2		Time of Concentration	0.029	100	0	100	0.029
Catchment Area (22)	RMH04		Time of Concentration	0.018	100	0	100	0.018
Catchment Area (23)	RMH03		Time of Concentration	0.019	100	0	100	0.019
Catchment Area (24)	RMH01		Time of Concentration	0.029	100	0	100	0.029
Catchment Area (25)	Porous Paving 7		Time of Concentration	0.021	100	0	100	0.021
Catchment Area (26)	Porous Paving 6		Time of Concentration	0.006	100	0	100	0.006
TOTAL		**0.0**		**0.433**				**0.433**

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Network Design Criteria Storm Phase: Phase	AFA Consulting Engineers 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	☐

Pipe Size Library

Default

Add. Increment (mm)	75
Max. Diameter (mm)	0

Diameter (mm)	Min. Slope (1:X)	Max. Slope (1:X)
100	0.00	0.00
150	0.00	0.00

Manhole Options

Apply Offset	☐

Manhole Size Library

Default

Diameter / Width

Connection (mm)	Diameter / Length (m)	Width (m)
0	1.200	0.000
375	1.350	0.000
500	1.500	0.000
750	1.800	0.000

Additional Sizing

Connection (mm)	900
Diameter / Length (m)	0.900
Width (m)	0.000

Depth

Depth (m)	Diameter / Length (m)	Width (m)
0.000	1.050	0.000
1.500	1.200	0.000

Access

Depth (m)	Ladder Protrusion (mm)
0.000	130
3.000	230

Benching Requirements

Landing Width (mm)	500
Benching Width (mm)	225

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Title:	Company Address:		
Rainfall Analysis Criteria	AFA Consulting Engineers 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)	0
Perform No Discharge Analysis	☐

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflows Summary Storm Phase: Phase	AFA Consulting Engineers Ltd		

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	0.02	11.2	4.846
Catchment Area (1)	FSR: 100 years: +40 %: 15 mins: Summer	0.02	8.7	3.792
Catchment Area (2)	FSR: 100 years: +40 %: 15 mins: Summer	0.00	2.4	1.020
Catchment Area (3)	FSR: 100 years: +40 %: 15 mins: Summer	0.02	12.9	5.578
Catchment Area (4)	FSR: 100 years: +40 %: 15 mins: Summer	0.01	6.7	2.892
Catchment Area (5)	FSR: 100 years: +40 %: 15 mins: Summer	0.01	4.0	1.734
Catchment Area (6)	FSR: 100 years: +40 %: 15 mins: Summer	0.00	1.4	0.624
Catchment Area (7)	FSR: 100 years: +40 %: 15 mins: Summer	0.01	4.2	1.800
Catchment Area (8)	FSR: 100 years: +40 %: 15 mins: Summer	0.00	2.7	1.185
Catchment Area (9)	FSR: 100 years: +40 %: 15 mins: Summer	0.00	1.8	0.765
Catchment Area (10)	FSR: 100 years: +40 %: 15 mins: Summer	0.00	1.7	0.726
Catchment Area (11)	FSR: 100 years: +40 %: 15 mins: Summer	0.01	6.9	2.973
Catchment Area (12)	FSR: 100 years: +40 %: 15 mins: Summer	0.00	1.2	0.534
Catchment Area (19)	FSR: 100 years: +40 %: 15 mins: Summer	0.08	45.1	19.556
Catchment Area (20)	FSR: 100 years: +40 %: 15 mins: Summer	0.01	5.5	2.376

Catchment Area (21)	FSR: 100 years: +40 %: 15 mins: Summer	0.03	16.5	7.141
Catchment Area (18)	FSR: 100 years: +40 %: 15 mins: Summer	0.04	20.5	8.875
Catchment Area (22)	FSR: 100 years: +40 %: 15 mins: Summer	0.02	10.4	4.510
Catchment Area (23)	FSR: 100 years: +40 %: 15 mins: Summer	0.02	10.6	4.591
Catchment Area (24)	FSR: 100 years: +40 %: 15 mins: Summer	0.03	16.6	7.201
Catchment Area (13)	FSR: 100 years: +40 %: 15 mins: Summer	0.03	15.9	6.913
Catchment Area (14)	FSR: 100 years: +40 %: 15 mins: Summer	0.01	7.9	3.402
Catchment Area (15)	FSR: 100 years: +40 %: 15 mins: Summer	0.01	3.5	1.500
Catchment Area (16)	FSR: 100 years: +40 %: 15 mins: Summer	0.02	10.3	4.450
Catchment Area (17)	FSR: 100 years: +40 %: 15 mins: Summer	0.01	3.5	1.500
Catchment Area (25)	FSR: 100 years: +40 %: 15 mins: Summer	0.02	11.8	5.128
Catchment Area (26)	FSR: 100 years: +40 %: 15 mins: Summer	0.01	3.4	1.467

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junctions Summary Storm Phase: Phase	AFA Consulting Engineers Ltd		

Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
SIC02	FSR: 100 years: +40 %: 15 mins: Summer	128.000	127.300	127.395	0.095	12.7	0.027	0.000	12.3	5.527	OK
SIC01	FSR: 100 years: +40 %: 15 mins: Summer	128.200	127.300	127.395	0.095	12.9	0.027	0.000	12.3	5.582	OK
SMH07	FSR: 100 years: +40 %: 15 mins: Summer	127.500	127.020	127.126	0.106	14.7	0.083	0.000	13.9	6.540	OK
SMH06	FSR: 100 years: +40 %: 15 mins: Summer	127.500	126.860	126.985	0.125	18.1	0.098	0.000	17.0	8.337	OK
SMH05	FSR: 100 years: +40 %: 15 mins: Summer	127.500	126.640	126.764	0.124	17.0	0.098	0.000	16.0	8.331	OK
SMH04	FSR: 100 years: +40 %: 15 mins: Summer	127.500	126.500	126.627	0.127	18.8	0.100	0.000	18.1	9.506	OK
SMH03	FSR: 100 years: +40 %: 1440 mins: Summer	128.000	126.410	126.472	0.062	3.5	0.049	0.000	3.5	78.456	OK
SMH09	FSR: 100 years: +40 %: 1440 mins: Summer	127.400	126.410	126.472	0.062	1.0	0.049	0.000	1.0	21.012	OK
SMH02	FSR: 100 years: +40 %: 15 mins: Summer	127.500	126.770	126.890	0.120	23.6	0.094	0.000	22.9	10.836	OK
SMH01	FSR: 100 years: +40 %: 15 mins: Summer	127.500	126.900	126.994	0.094	12.3	0.074	0.000	11.5	5.570	OK
SWIC01	FSR: 100 years: +40 %: 15 mins: Summer	126.235	125.660	125.683	0.023	3.4	0.007	0.000	3.4	1.490	OK
SMH11	FSR: 100 years: +40 %: 15 mins: Summer	122.350	121.150	121.185	0.035	6.9	0.027	0.000	6.8	2.971	OK
SMH12	FSR: 100 years: +40 %: 600 mins: Summer	121.300	120.000	120.403	0.403	0.2	0.316	0.000	0.1	1.858	Surcharged
RMH05	FSR: 100 years: +40 %: 15 mins: Summer	133.420	132.520	132.587	0.067	20.5	0.053	0.000	20.1	8.876	OK
RMH04	FSR: 100 years: +40 %: 15 mins: Summer	131.050	130.150	130.254	0.104	30.5	0.081	0.000	29.5	13.374	OK
RMH03	FSR: 100 years: +40 %: 15 mins: Summer	129.800	128.900	129.040	0.140	40.1	0.110	0.000	37.6	17.972	OK
RMH02	FSR: 100 years: +40 %: 15 mins: Summer	128.400	127.500	127.615	0.115	37.6	0.090	0.000	36.9	17.964	OK
RMH01	FSR: 100 years: +40 %: 15 mins: Summer	127.400	126.500	126.576	0.076	53.5	0.059	0.000	53.3	25.149	OK

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Controls Summary Storm Phase: Phase	AFA Consulting Engineers Ltd		

Critical Storm Per Item: Rank By: Max. Avg. 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)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Soakaway	FSR: 100 years: +40 %: 1440 mins: Summer	126.472	126.472	1.872	1.872	7.9	125.524	0.000	0.0	0.000	10.828	OK
Soakaway 2	FSR: 100 years: +40 %: 960 mins: Summer	125.411	125.411	1.221	1.221	2.1	20.049	0.000	0.0	0.000	3.071	OK
Soakaway 3	FSR: 100 years: +40 %: 600 mins: Summer	120.403	120.403	0.743	0.743	1.1	7.114	0.000	0.0	0.000	11.557	OK
Soakaway 3 (1)	FSR: 100 years: +40 %: 1440 mins: Summer	126.155	126.155	2.055	2.055	4.4	67.489	0.000	0.0	0.000	2.114	OK
Infiltration Trench	FSR: 100 years: +40 %: 60 mins: Summer	122.814	122.805	1.052	1.105	2.3	2.006	0.000	0.0	0.012	6.209	OK
Infiltration Trench 2	FSR: 100 years: +40 %: 60 mins: Summer	122.399	122.355	0.587	0.655	2.0	2.062	0.000	0.0	0.000	46.560	OK
Infiltration Trench 3	FSR: 100 years: +40 %: 60 mins: Summer	122.534	122.528	0.784	0.828	1.1	1.210	0.000	0.0	0.000	29.894	OK
Infiltration Trench 4	FSR: 100 years: +40 %: 60 mins: Summer	122.618	122.576	0.804	0.876	2.2	2.827	0.000	0.0	0.000	27.756	OK
Infiltration Trench 5	FSR: 100 years: +40 %: 60 mins: Summer	122.436	122.429	0.686	0.729	1.1	1.060	0.000	0.0	0.000	38.459	OK
Infiltration Trench 7	FSR: 100 years: +40 %: 60 mins: Summer	122.717	122.688	0.904	0.988	2.5	3.198	0.000	0.0	0.000	17.899	OK
Infiltration Trench 6	FSR: 100 years: +40 %: 60 mins: Summer	122.198	122.190	0.447	0.490	0.8	0.713	0.000	0.0	0.000	59.220	OK
Porous Paving	FSR: 100 years: +40 %: 30 mins: Summer	124.353	122.767	0.036	0.067	10.7	4.067	0.000	2.5	2.289	66.683	OK
Porous Paving 2	FSR: 100 years: +40 %: 30 mins: Summer	123.455	122.707	0.030	0.007	5.3	1.370	0.000	2.2	2.075	77.704	OK
Porous Paving 3	FSR: 100 years: +40 %: 30 mins: Summer	123.323	122.705	0.146	0.005	2.3	1.100	0.000	1.1	1.174	44.257	OK

Porous Paving 4	FSR: 100 years: +40 %: 30 mins: Summer	123.582	122.708	0.032	0.008	6.9	2.160	0.000	2.5	2.822	71.171	OK
Porous Paving 5	FSR: 100 years: +40 %: 15 mins: Summer	123.211	122.705	0.024	0.005	3.5	0.518	0.000	1.3	0.825	78.832	OK
Porous Paving 6	FSR: 100 years: +40 %: 30 mins: Summer	123.445	122.704	0.022	0.004	2.3	0.533	0.000	0.9	0.737	84.082	OK
Porous Paving 7	FSR: 100 years: +40 %: 30 mins: Summer	123.747	122.708	0.040	0.008	7.9	2.714	0.000	2.7	3.301	64.881	OK

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Connections Summary Storm Phase: Phase	AFA Consulting Engineers Ltd		

Critical Storm Per Item: Rank By: Max. Flow

Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
Pipe	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SIC01	SMH01	128.200	127.395	0.094	5.582	1.1	0.69	12.3	OK
Pipe (1)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SMH01	SMH02	127.500	126.994	0.107	5.570	0.9	0.63	11.5	OK
Pipe (2)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SMH02	SMH03	127.500	126.890	0.082	10.836	2.3	0.8	22.9	OK
Pipe (3)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SMH03	Soakaway	128.000	126.454	0.150	20.337	3.2	0.2	40.9	OK
Pipe (4)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SIC02	SMH07	128.000	127.395	0.101	5.527	1.0	0.68	12.3	OK
Pipe (5)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SMH07	SMH06	127.500	127.126	0.116	6.540	1.0	0.75	13.9	OK
Pipe (6)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SMH06	SMH05	127.500	126.985	0.125	8.337	1.1	0.93	17.0	OK
Pipe (7)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SMH05	SMH04	127.500	126.764	0.126	8.331	1.0	0.89	16.0	OK
Pipe (8)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SMH04	SMH03	127.500	126.627	0.085	9.506	1.7	1.02	18.1	OK
Pipe (9)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SMH09	Soakaway	127.400	126.430	0.150	5.469	1.4	0.07	12.6	OK
Pipe (16)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SMH11	Soakaway 3	122.350	121.185	0.100	2.971	1.3	0.27	6.8	OK
Pipe (17)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SMH12	Soakaway 3	121.300	120.017	0.100	0.520	0.3	0.04	1.2	OK
Pipe (10)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SWIC01	Soakaway 2	126.235	125.683	0.100	1.490	0.5	0.13	3.4	OK
Pipe (11)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	RMH05	RMH04	133.420	132.587	0.085	8.876	1.9	0.41	20.1	OK

Pipe (19)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	RMH04	RMH03	131.050	130.254	0.122	13.374	1.9	0.82	29.5	OK
Pipe (20)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	RMH03	RMH02	129.800	129.040	0.127	17.972	2.4	0.99	37.6	OK
Pipe (21)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	RMH02	RMH01	128.400	127.615	0.095	17.964	3.1	0.78	36.9	OK
Pipe (22)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	RMH01	Soakaway 3 (1)	127.400	126.576	0.150	25.149	3.3	0.52	53.3	OK
Pipe (12)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	Porous Paving	Infiltration Trench	124.617	122.744	0.427	1.800	0.0	0	3.0	OK
Pipe (13)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	Porous Paving 2	Infiltration Trench 2	123.725	122.732	0.243	1.506	0.1	0	2.6	OK
Pipe (14)	FSR: 100 years: +40 %: 30 mins: Summer	Pipe	Porous Paving 3	Infiltration Trench 3	123.477	122.784	0.335	1.174	0.1	0	1.1	OK
Pipe (15)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	Porous Paving 4	Infiltration Trench 4	123.851	122.741	0.259	1.941	0.1	0	2.7	OK
Pipe (18)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	Porous Paving 5	Infiltration Trench 5	123.487	122.732	0.240	0.825	0.0	0	1.3	OK
Pipe (23)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	Porous Paving 6	Infiltration Trench 6	123.723	122.723	0.152	0.541	0.1	0	1.1	OK
Pipe (24)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	Porous Paving 7	Infiltration Trench 7	124.007	122.748	0.287	2.135	0.7	0	3.0	OK

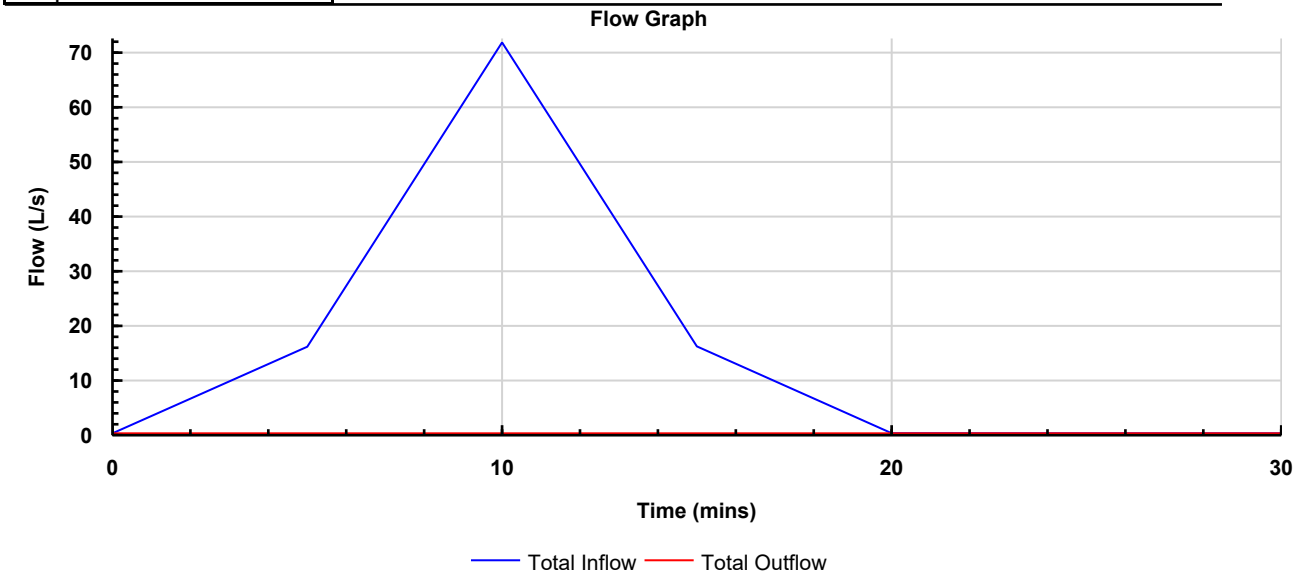
Project - 2080: Ramsbury Manor - Estate Yard	Date: 22/08/2025	
	Designed by: GB	Checked by: / Approved By:
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: AFA Consulting Engineers Ltd	

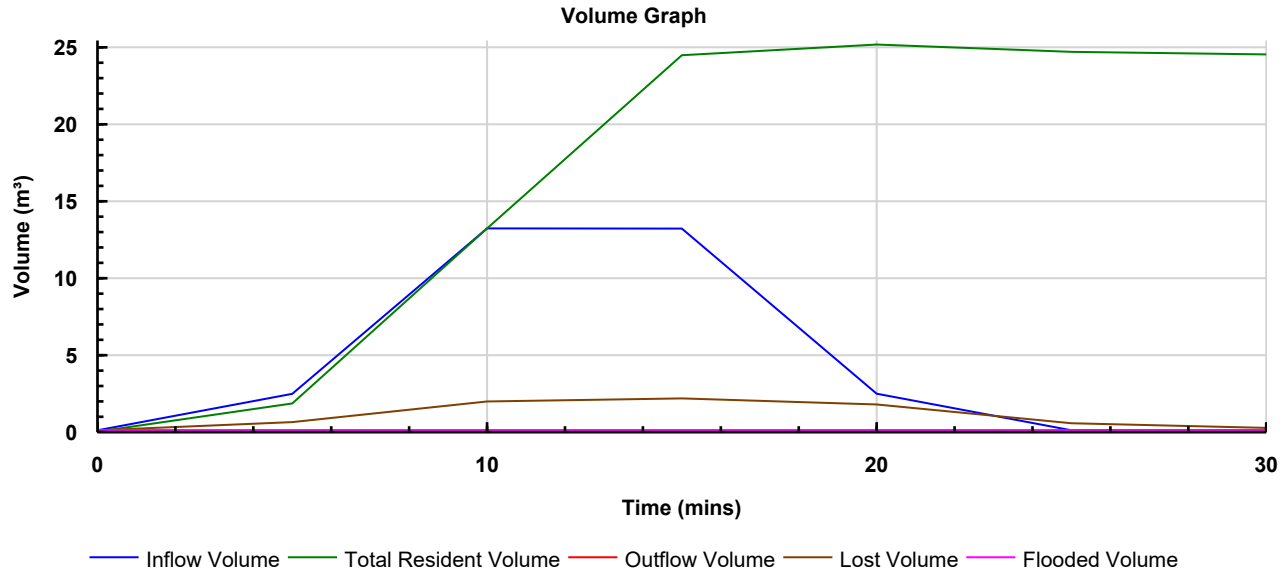
Phase
FSR: 2 years: Increase Rainfall (%): +0: 15 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
TOTAL	71.9	31.115	0.0	0.000

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

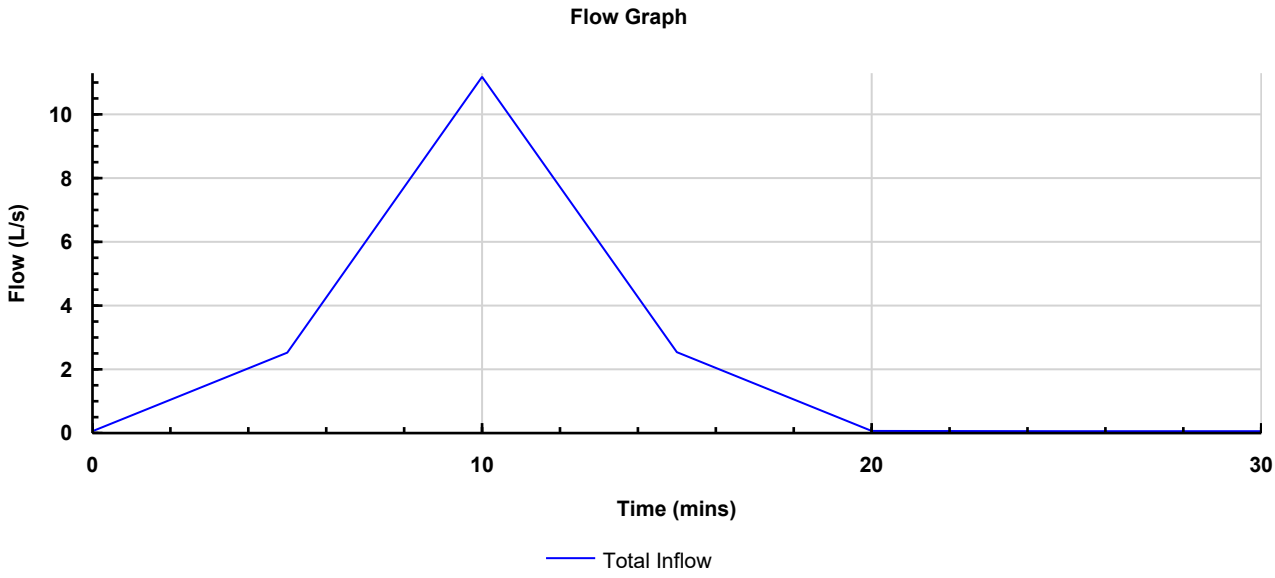
Catchment Area
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	11.2
Total Inflow Volume (m³)	4.846

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	2.5
10	11.2
15	2.5
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

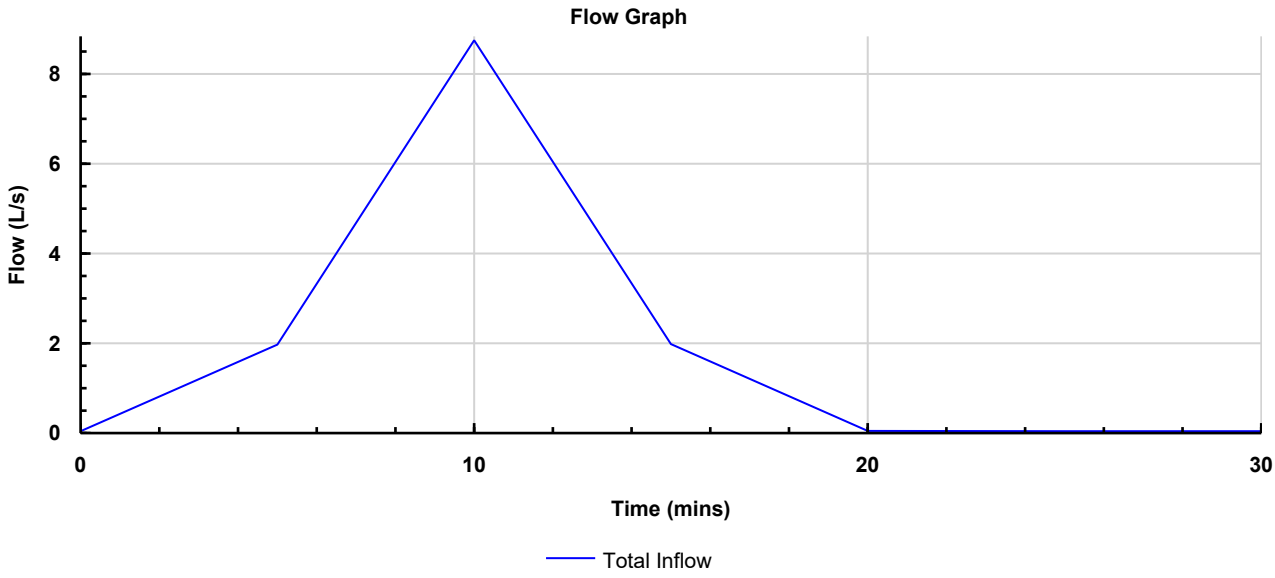
Catchment Area (1)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	8.7
Total Inflow Volume (m³)	3.792

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	1.9
10	8.7
15	1.9
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

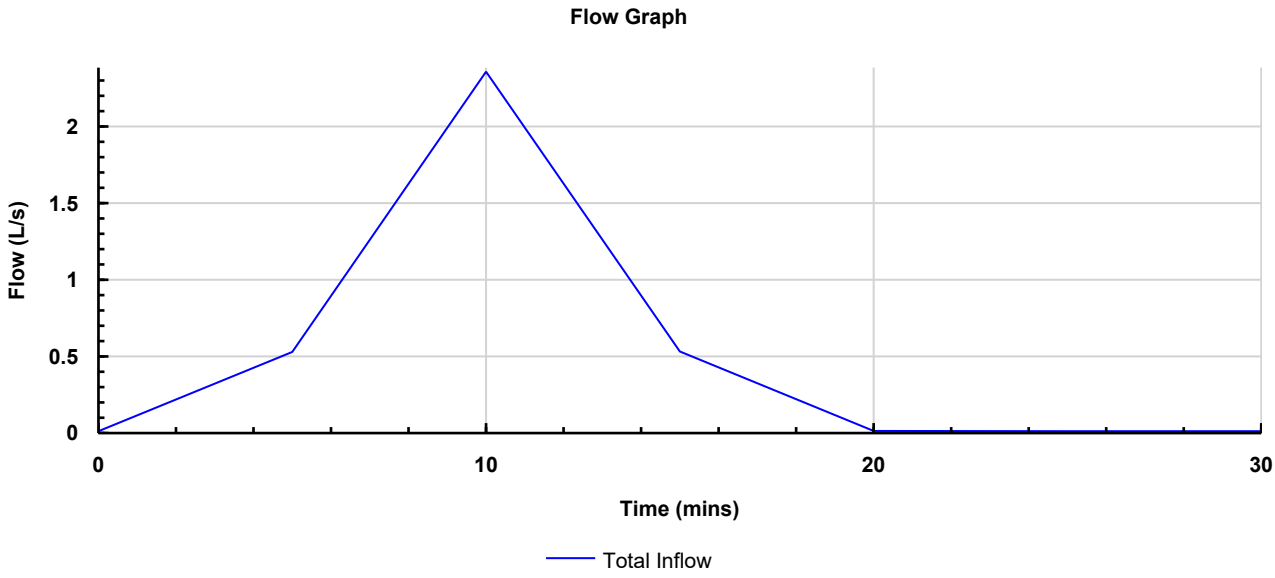
Catchment Area (2)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	2.4
Total Inflow Volume (m³)	1.020

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.5
10	2.4
15	0.5
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Catchment Area (3)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

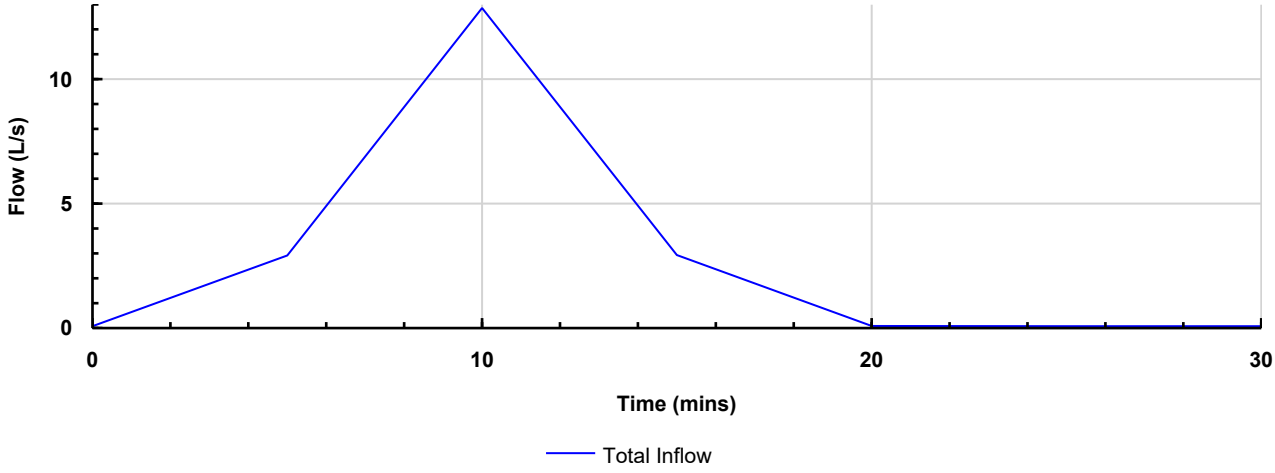
Type : Catchment Area

Inflow

Max. Inflow (L/s)	12.9
Total Inflow Volume (m³)	5.578

Graphs

Flow Graph



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	2.9
10	12.9
15	2.9
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

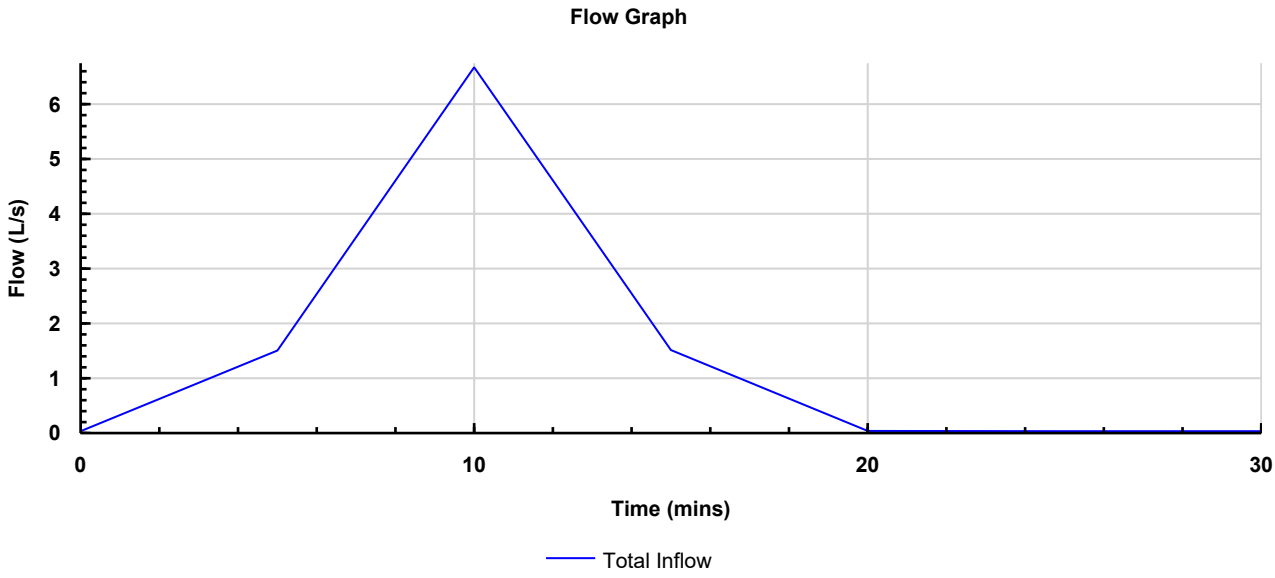
Catchment Area (4)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	6.7
Total Inflow Volume (m³)	2.892

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	1.5
10	6.7
15	1.5
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

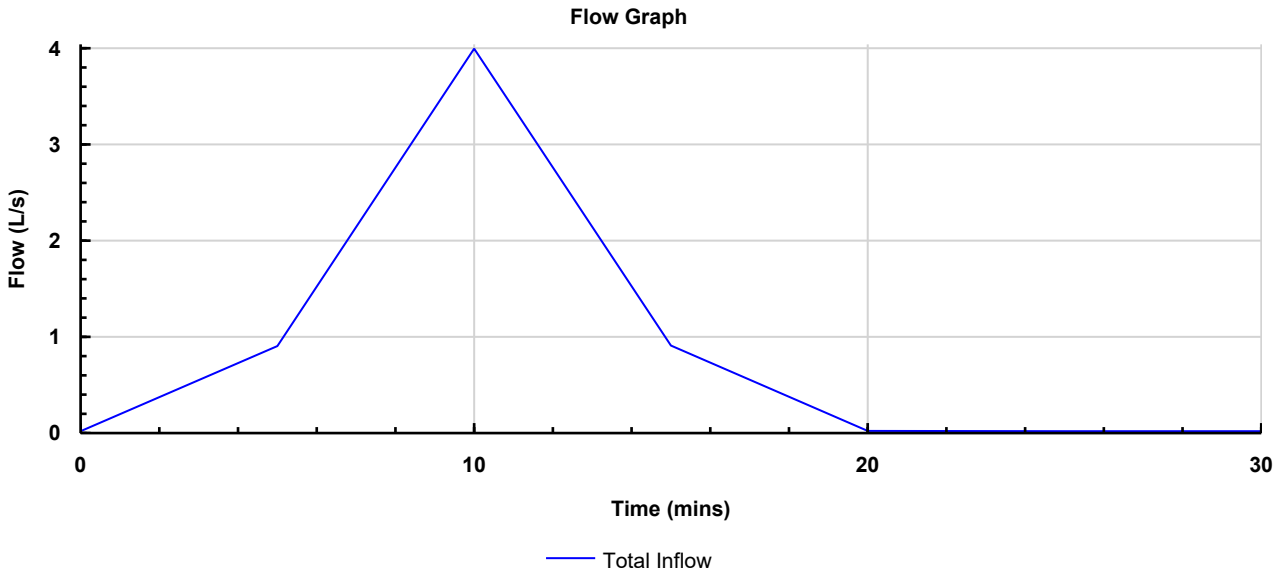
Catchment Area (5)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	4.0
Total Inflow Volume (m³)	1.734

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.9
10	4.0
15	0.9
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

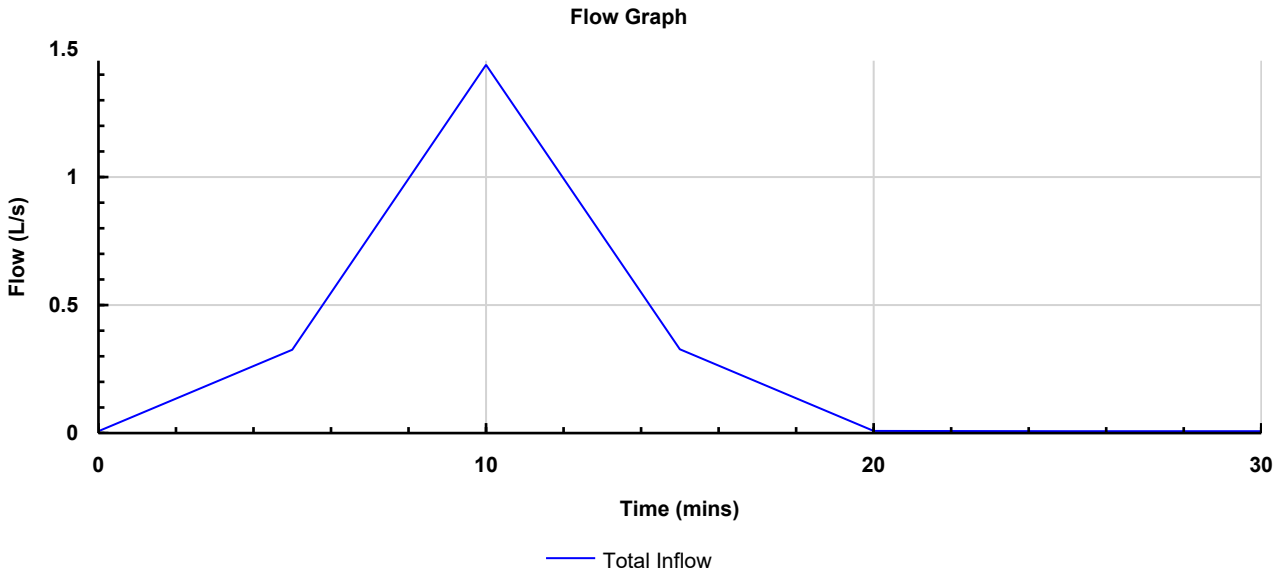
Catchment Area (6)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	1.4
Total Inflow Volume (m³)	0.624

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.3
10	1.4
15	0.3
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

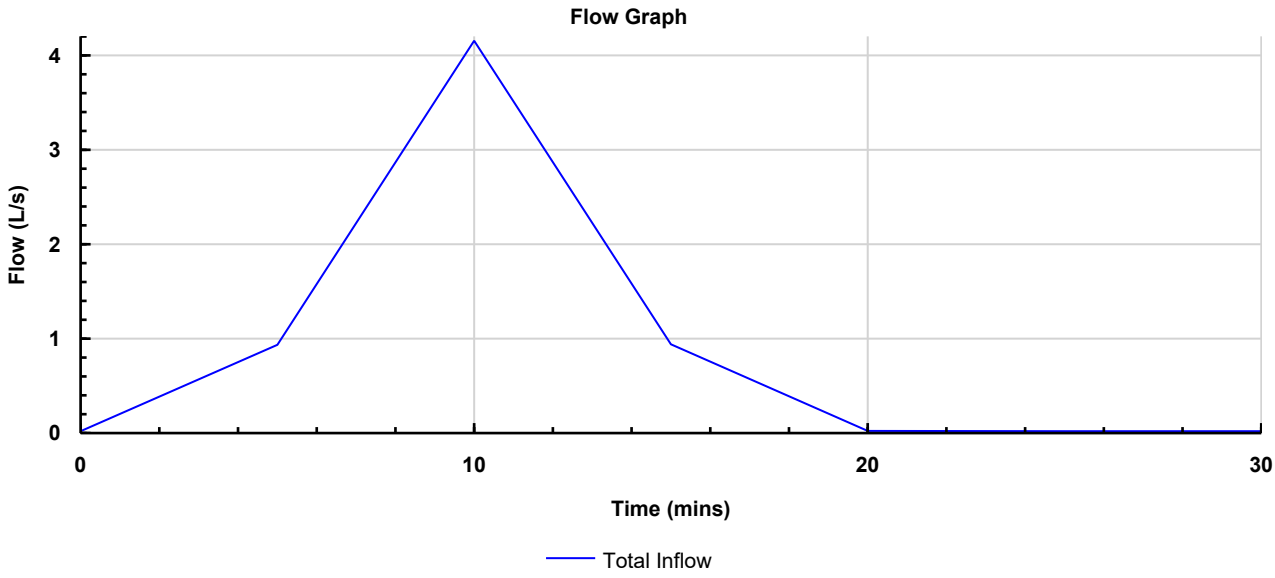
Catchment Area (7)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	4.2
Total Inflow Volume (m³)	1.800

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.9
10	4.2
15	0.9
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

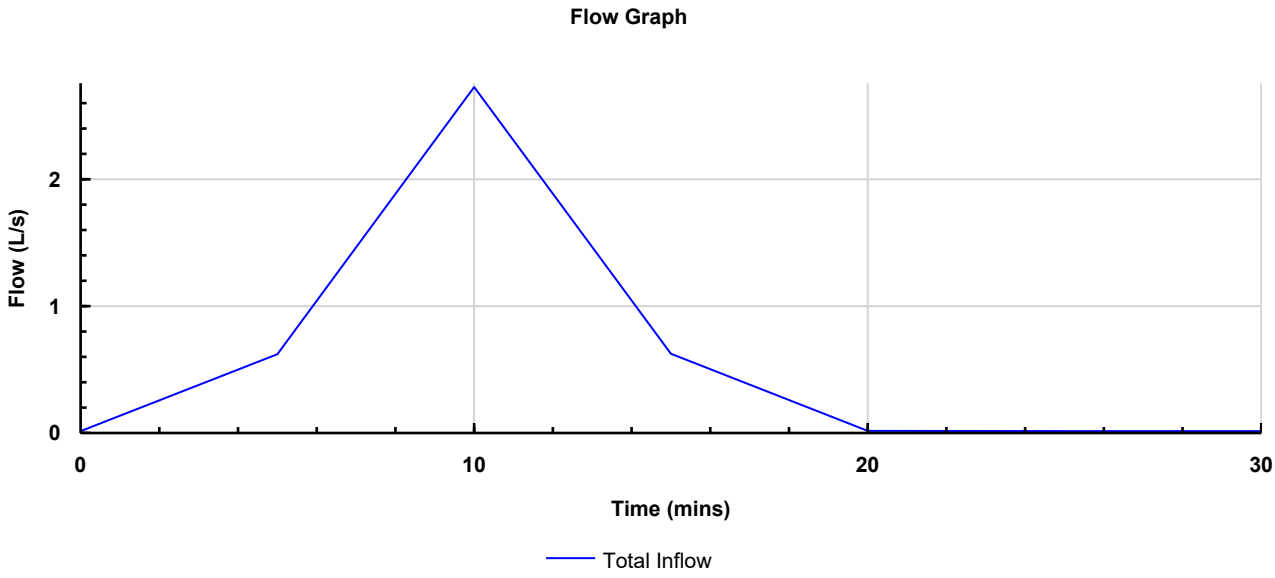
Catchment Area (8)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	2.7
Total Inflow Volume (m³)	1.185

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.6
10	2.7
15	0.6
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

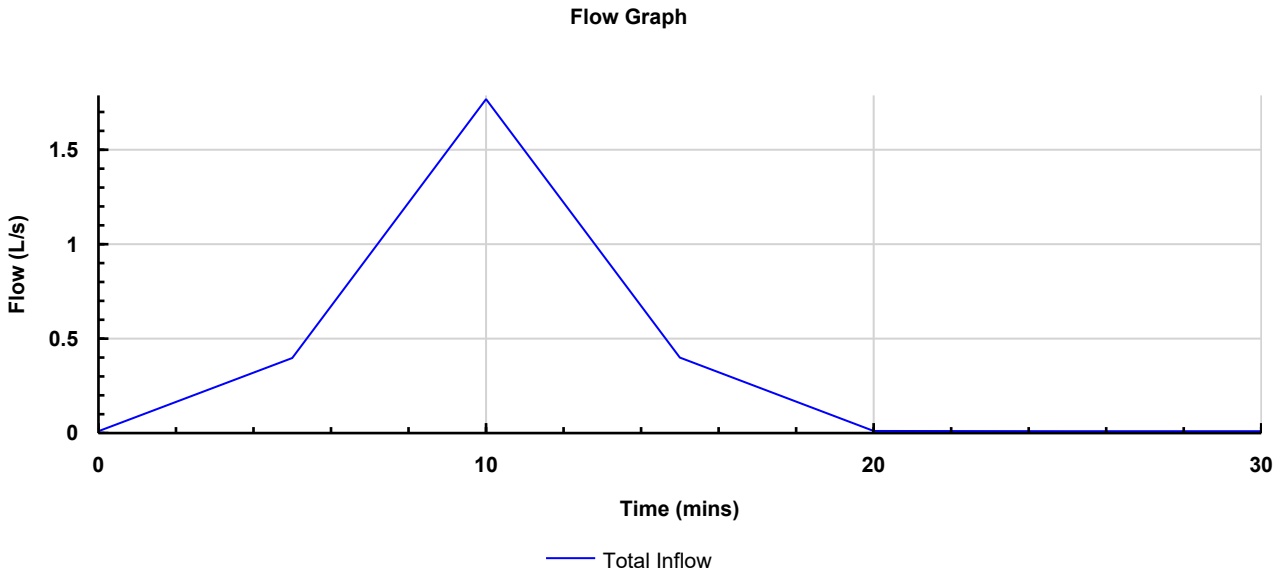
Catchment Area (9)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	1.8
Total Inflow Volume (m³)	0.765

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.4
10	1.8
15	0.4
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

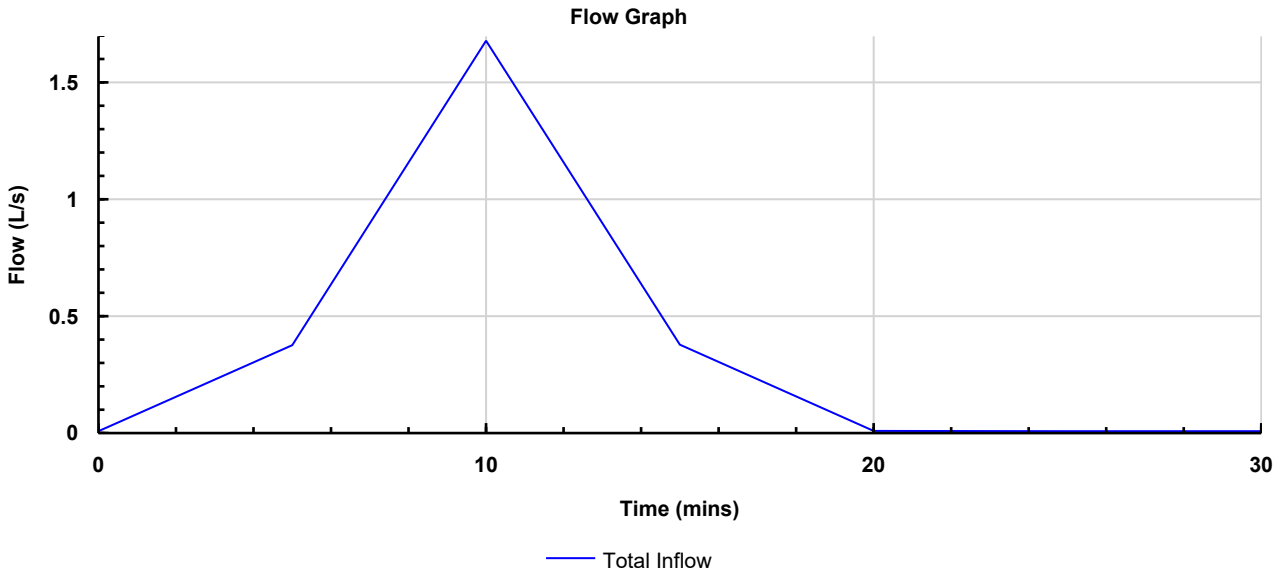
Catchment Area (10)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	1.7
Total Inflow Volume (m³)	0.726

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.4
10	1.7
15	0.4
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

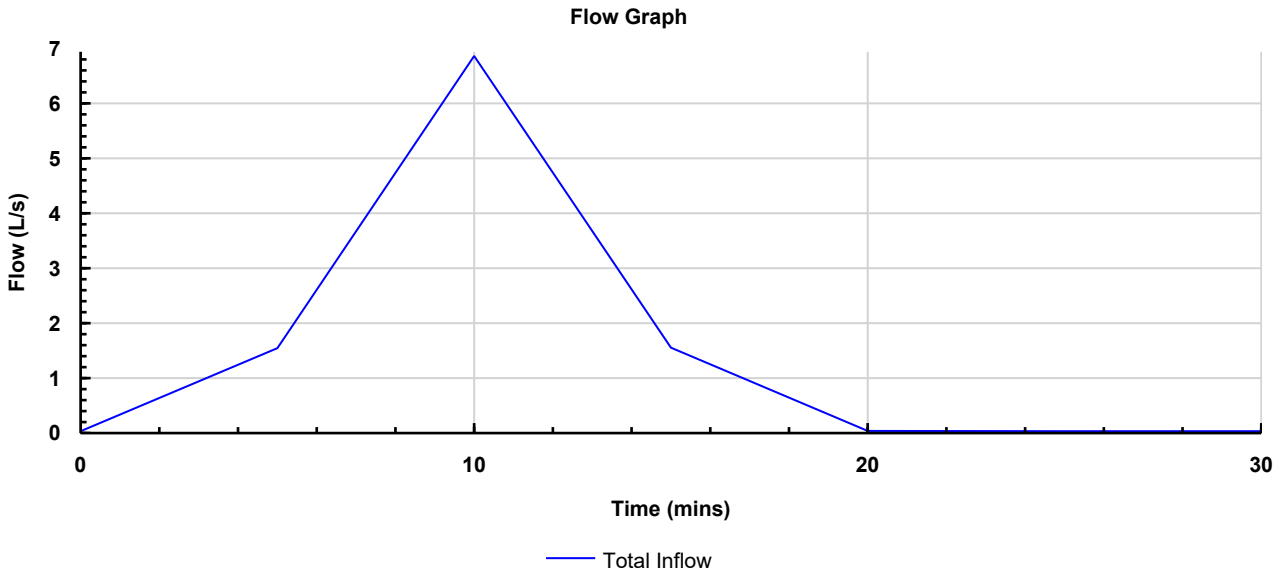
Catchment Area (11)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	6.9
Total Inflow Volume (m³)	2.973

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	1.5
10	6.9
15	1.5
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Catchment Area (12)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

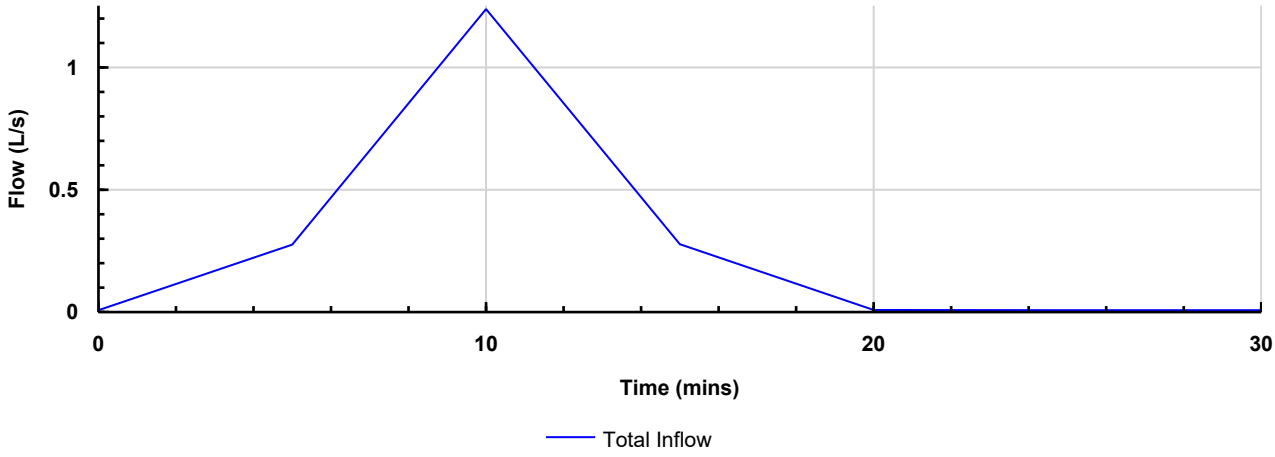
Type : Catchment Area

Inflow

Max. Inflow (L/s)	1.2
Total Inflow Volume (m³)	0.534

Graphs

Flow Graph



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.3
10	1.2
15	0.3
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

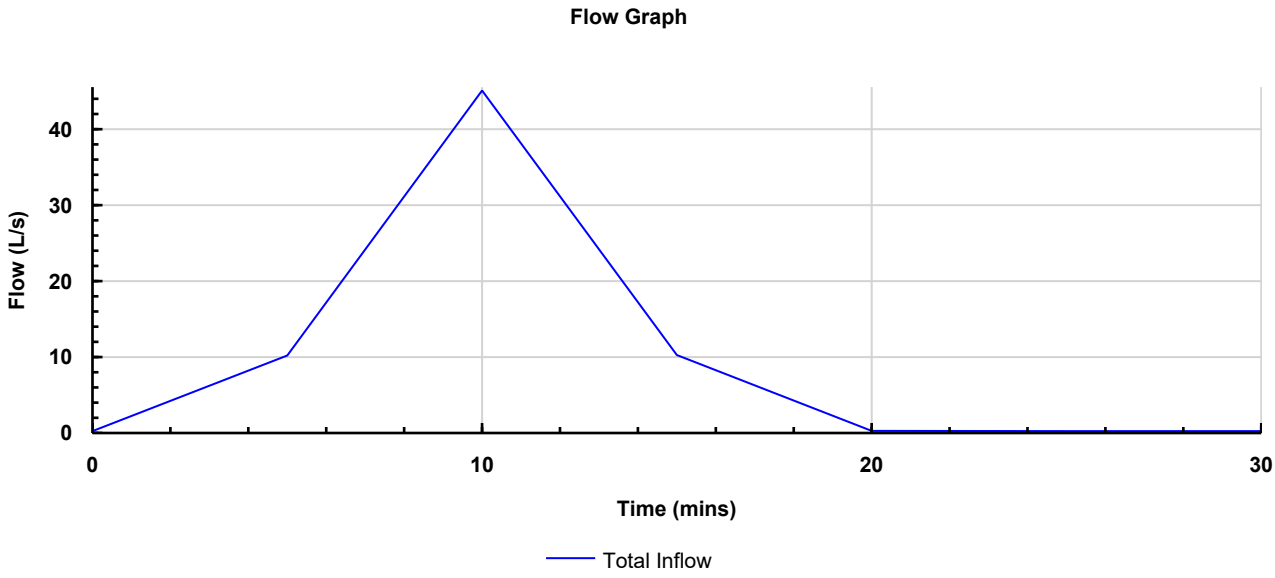
Catchment Area (19)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	45.1
Total Inflow Volume (m³)	19.556

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	10.0
10	45.1
15	10.1
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

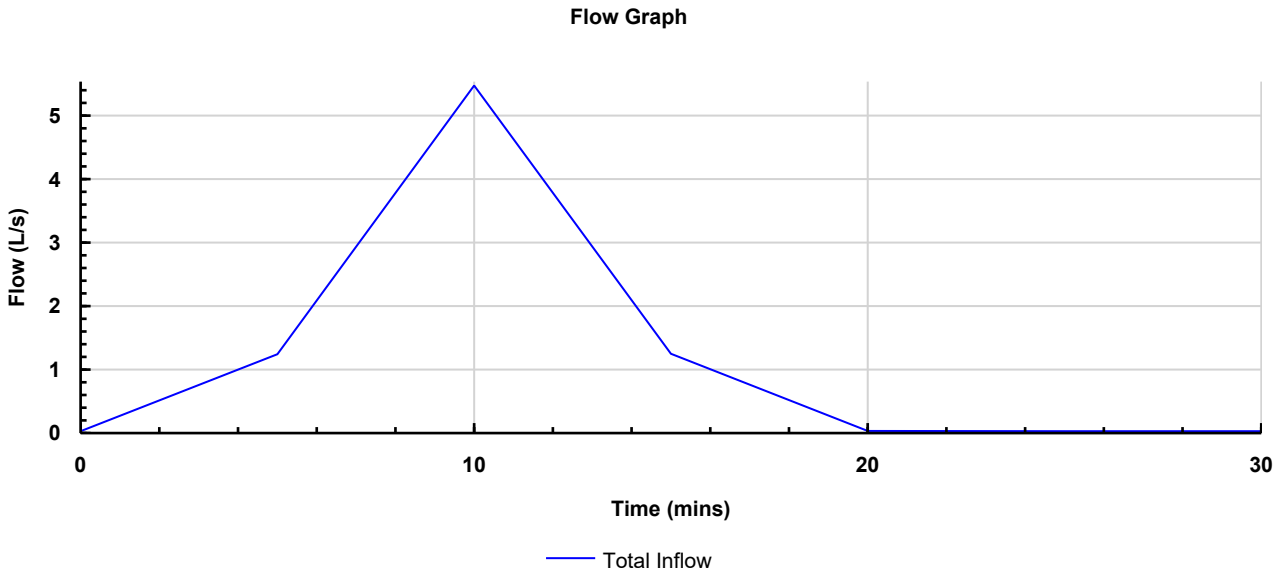
Catchment Area (20)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	5.5
Total Inflow Volume (m³)	2.376

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	1.2
10	5.5
15	1.2
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

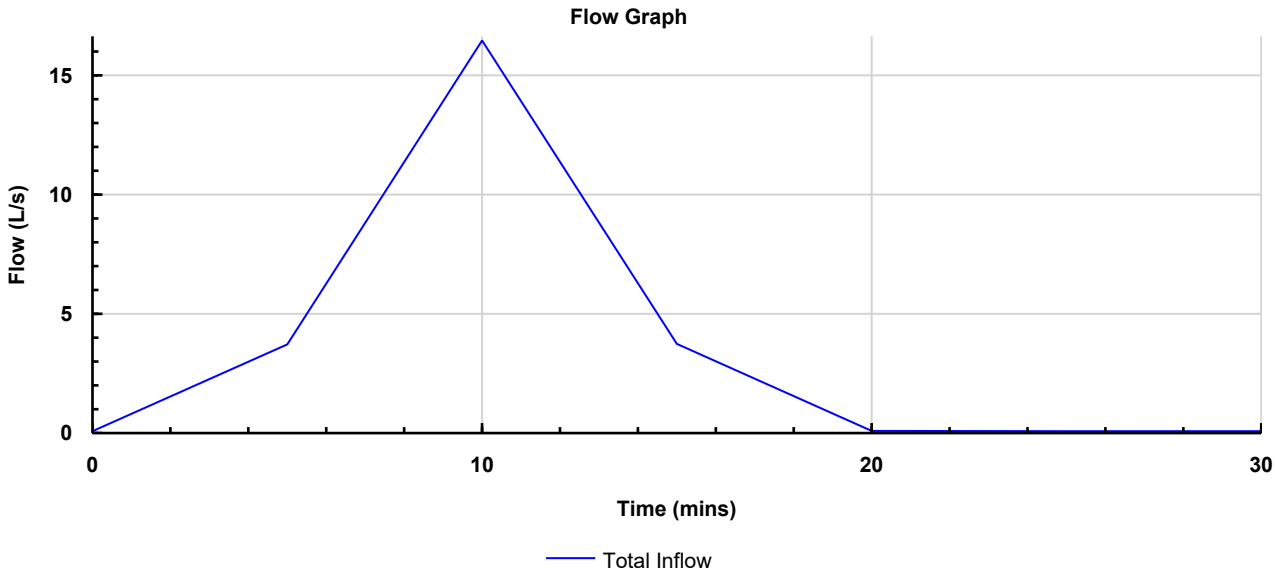
Catchment Area (21)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	16.5
Total Inflow Volume (m³)	7.141

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	3.7
10	16.5
15	3.7
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

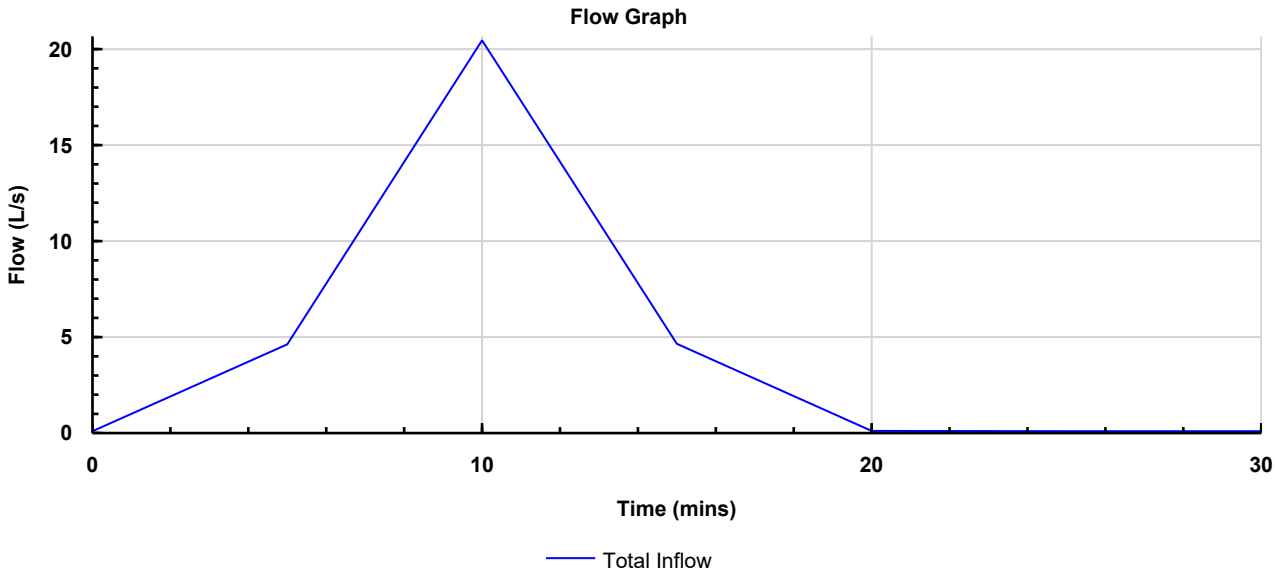
Catchment Area (18)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	20.5
Total Inflow Volume (m³)	8.875

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	4.5
10	20.5
15	4.6
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

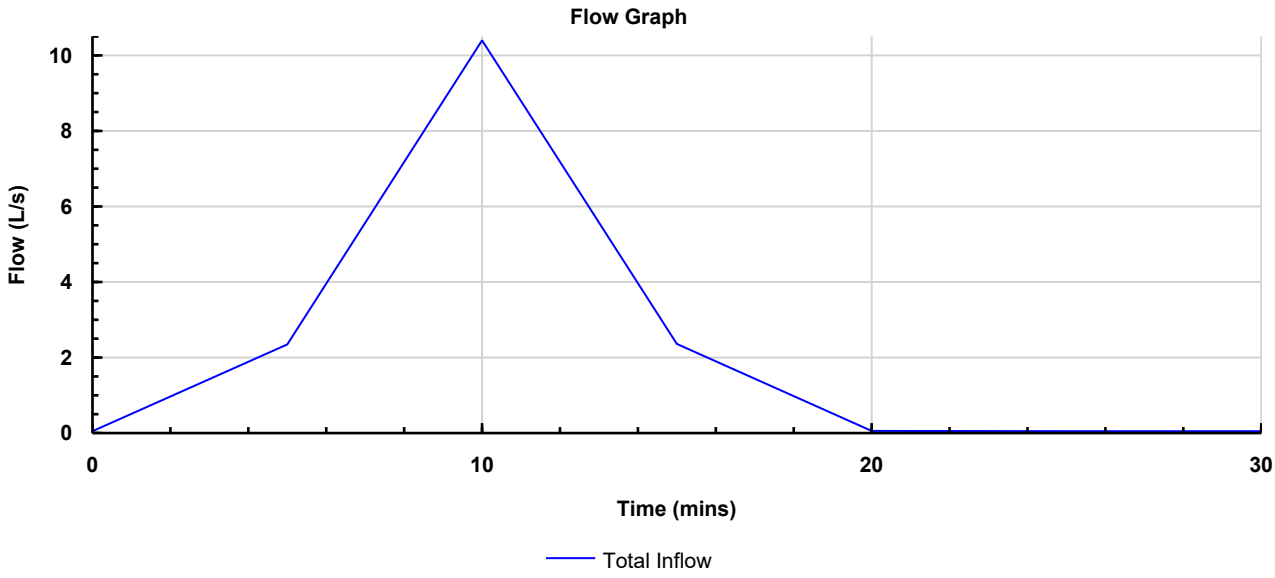
Catchment Area (22)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	10.4
Total Inflow Volume (m³)	4.510

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	2.3
10	10.4
15	2.3
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

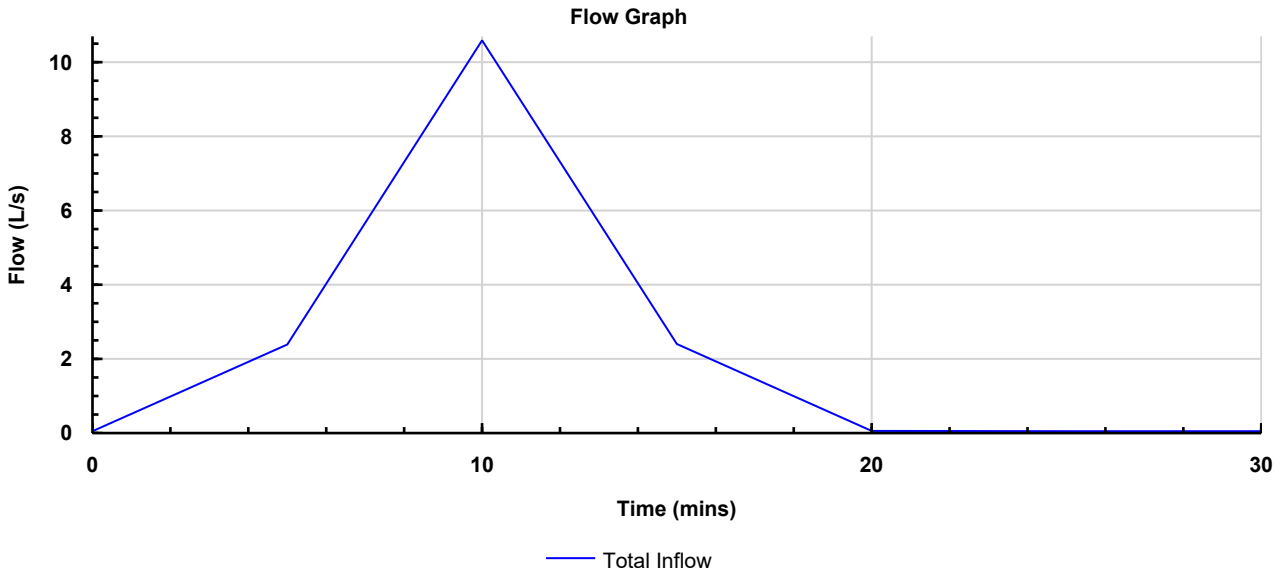
Catchment Area (23)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	10.6
Total Inflow Volume (m³)	4.591

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	2.3
10	10.6
15	2.4
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

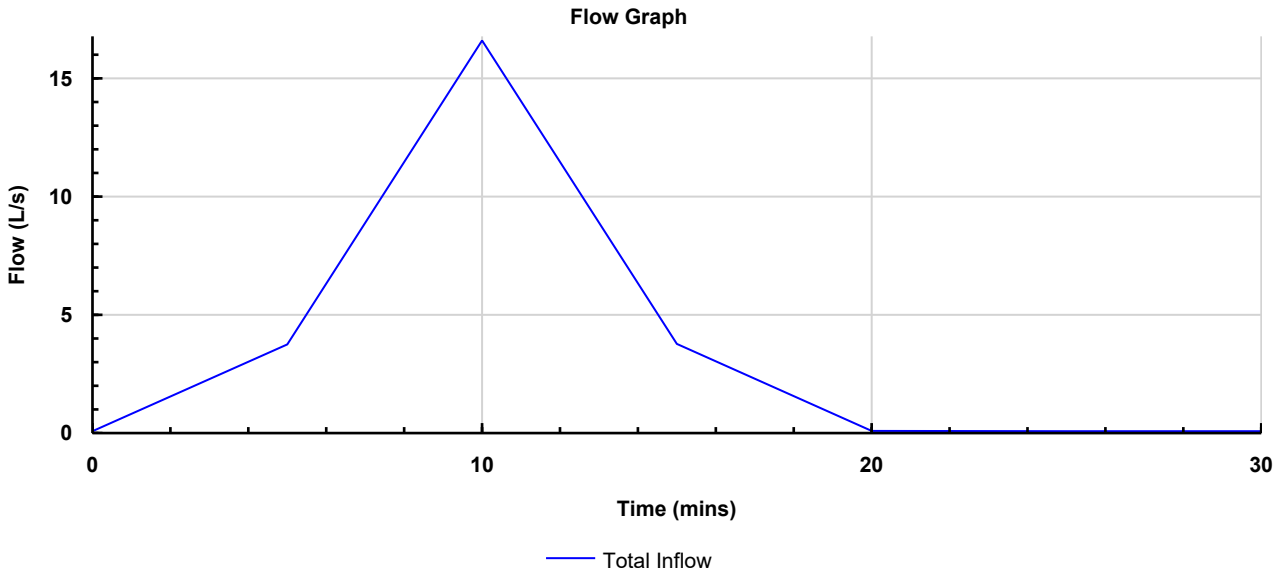
Catchment Area (24)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	16.6
Total Inflow Volume (m³)	7.201

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	3.7
10	16.6
15	3.7
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

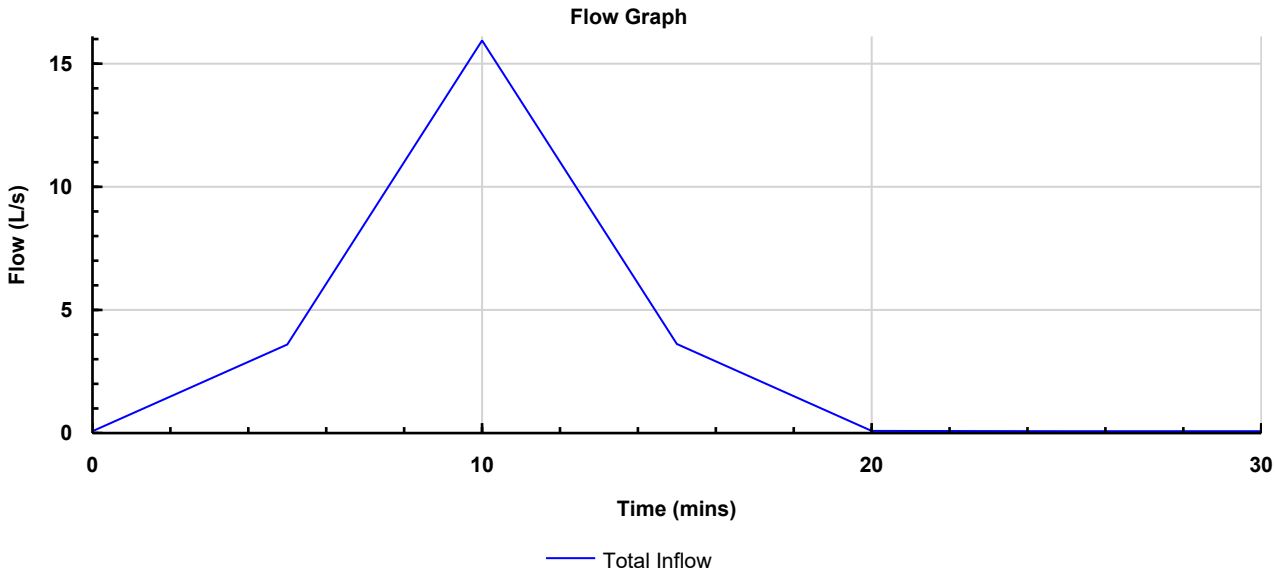
Catchment Area (13)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	15.9
Total Inflow Volume (m³)	6.913

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	3.5
10	15.9
15	3.6
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

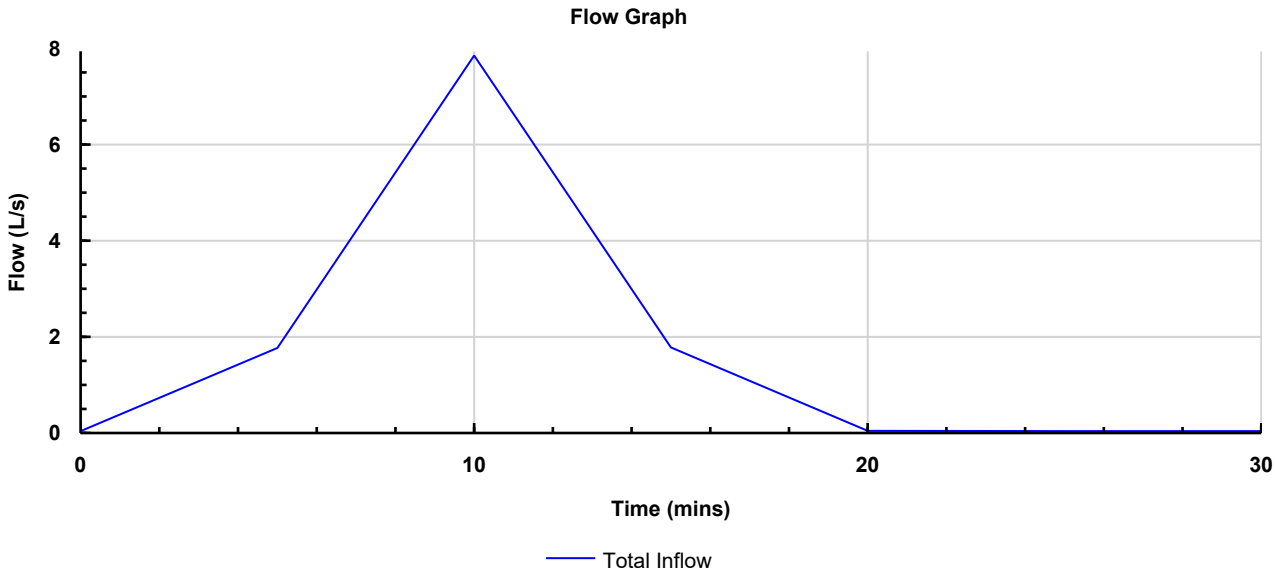
Catchment Area (14)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	7.9
Total Inflow Volume (m³)	3.402

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	1.7
10	7.9
15	1.7
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

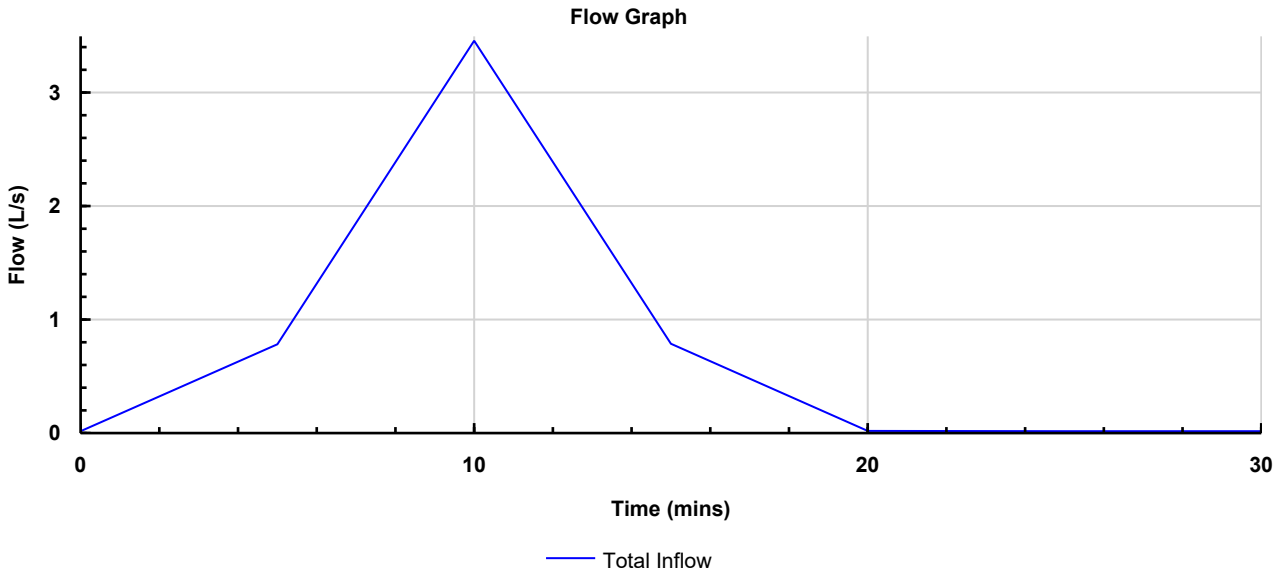
Catchment Area (15)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	3.5
Total Inflow Volume (m³)	1.500

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.8
10	3.5
15	0.8
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

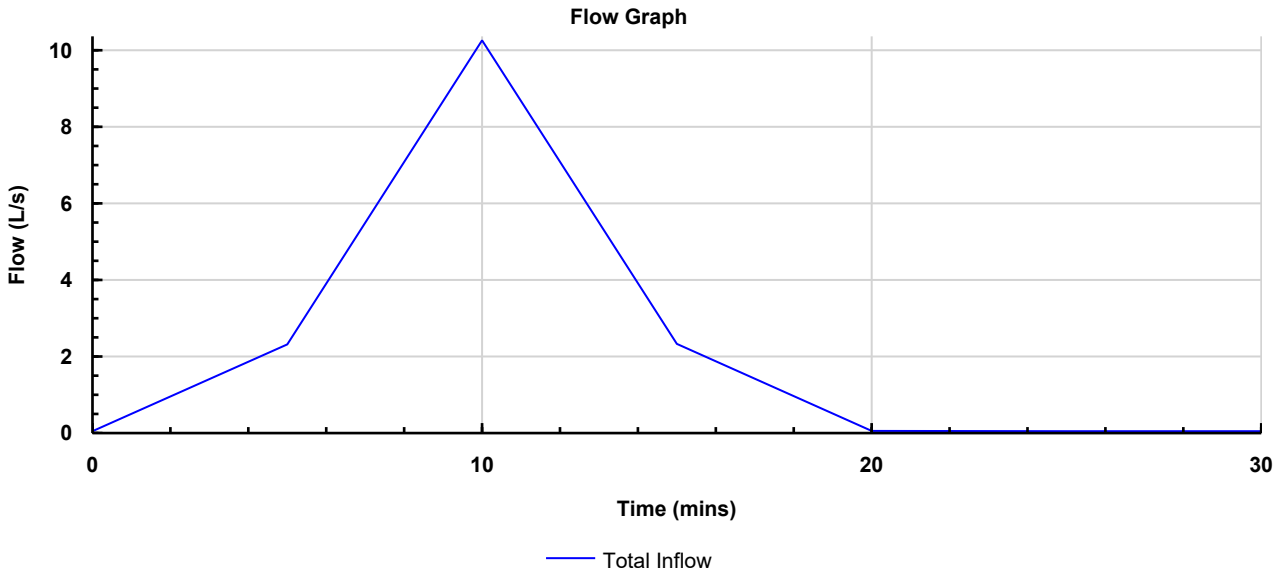
Catchment Area (16)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	10.3
Total Inflow Volume (m³)	4.450

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	2.3
10	10.3
15	2.3
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

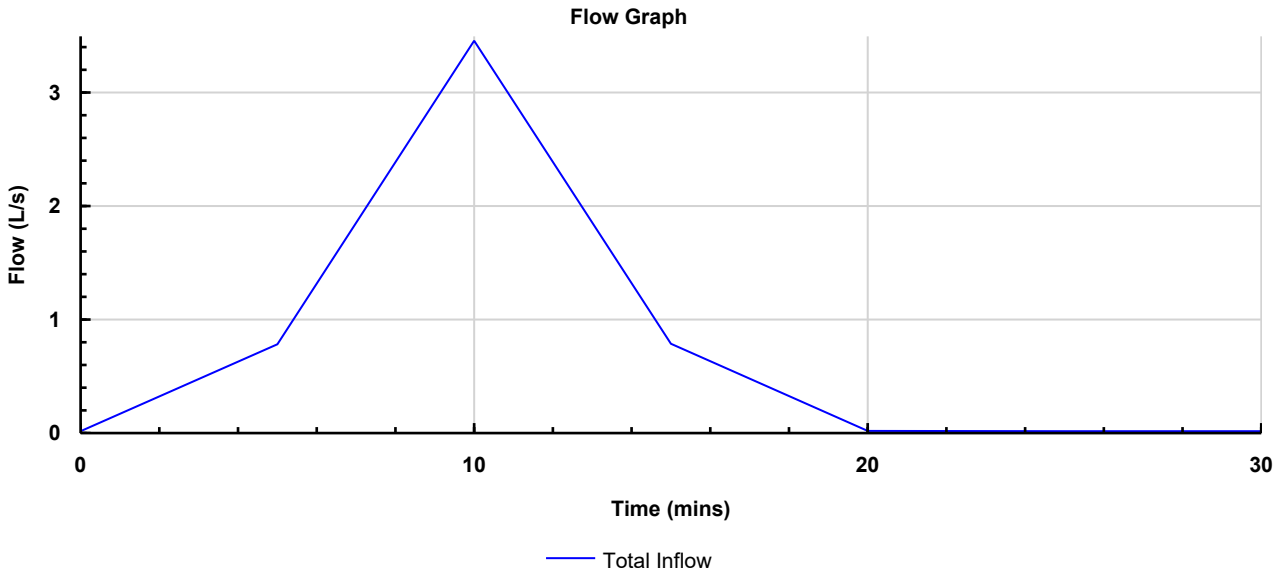
Catchment Area (17)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	3.5
Total Inflow Volume (m³)	1.500

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.8
10	3.5
15	0.8
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

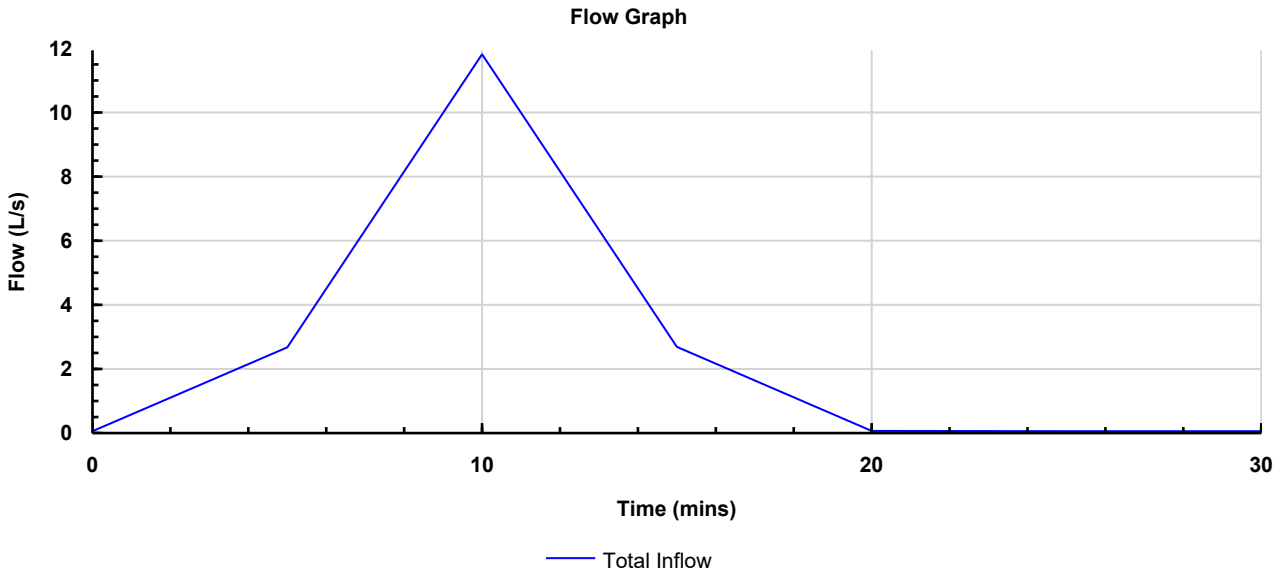
Catchment Area (25)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	11.8
Total Inflow Volume (m³)	5.128

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	2.6
10	11.8
15	2.6
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

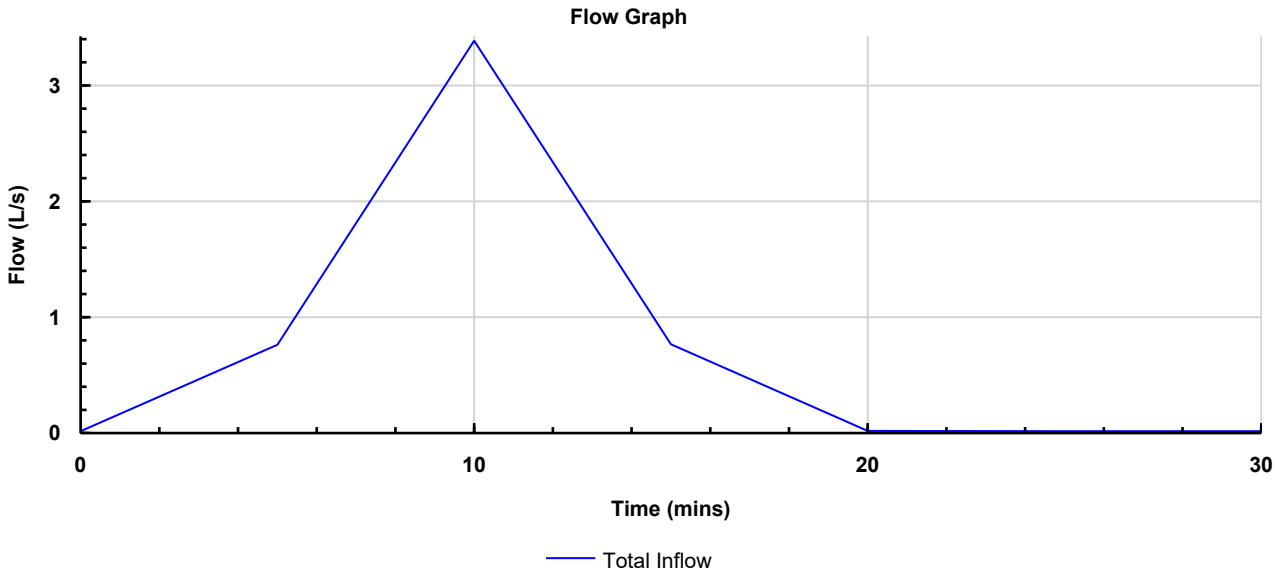
Catchment Area (26)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	3.4
Total Inflow Volume (m³)	1.467

Graphs



Tables

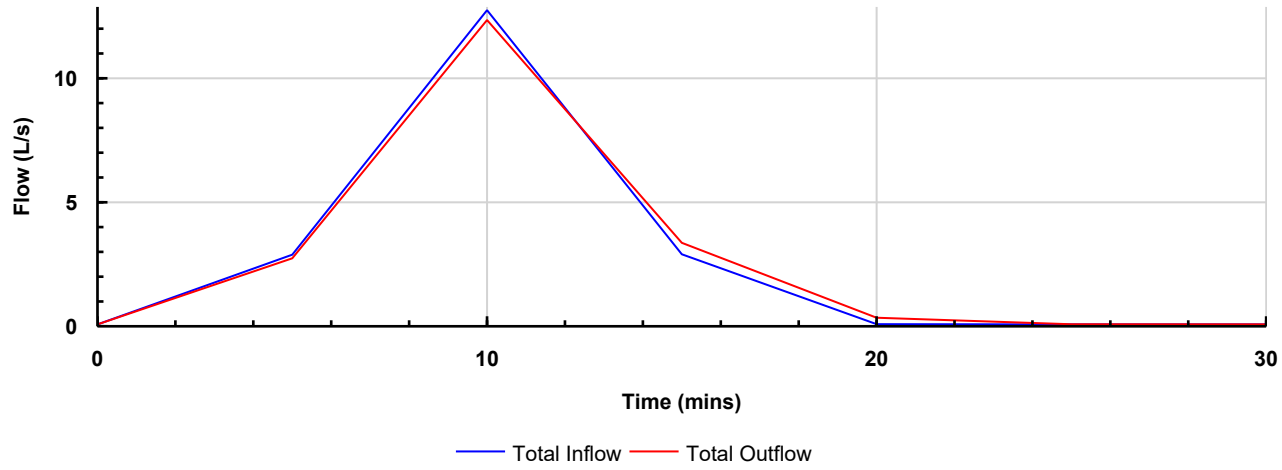
Time (mins)	Total Inflow (L/s)
0	0.0
5	0.7
10	3.4
15	0.8
20	0.0
25	0.0
30	0.0

SIC02 Type : Manhole

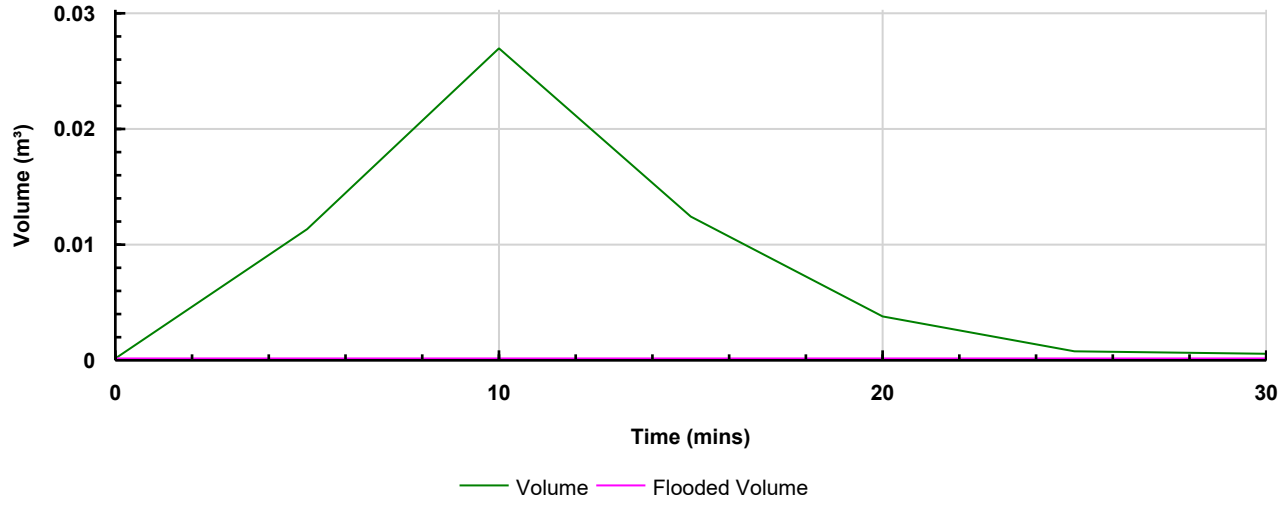
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs

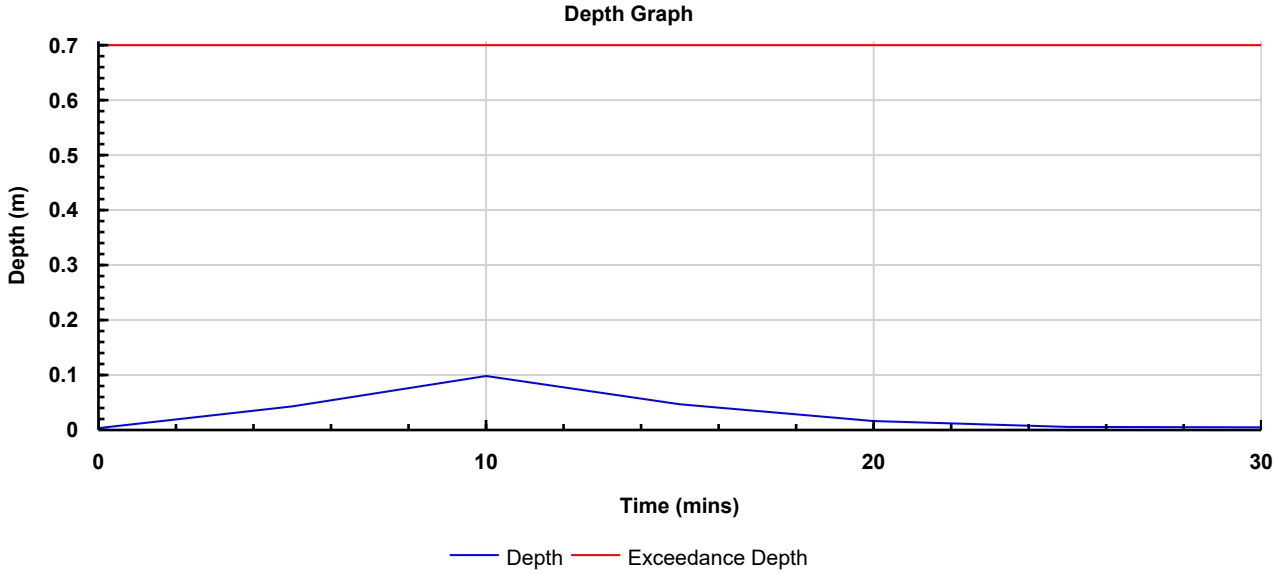
Flow Graph



Volume Graph



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	2.8	0.040	0.011	0.000	2.7
10	12.7	0.095	0.027	0.000	12.3
15	2.8	0.044	0.012	0.000	3.3
20	0.0	0.013	0.004	0.000	0.3
25	0.0	0.002	0.001	0.000	0.0
30	0.0	0.001	0.000	0.000	0.0

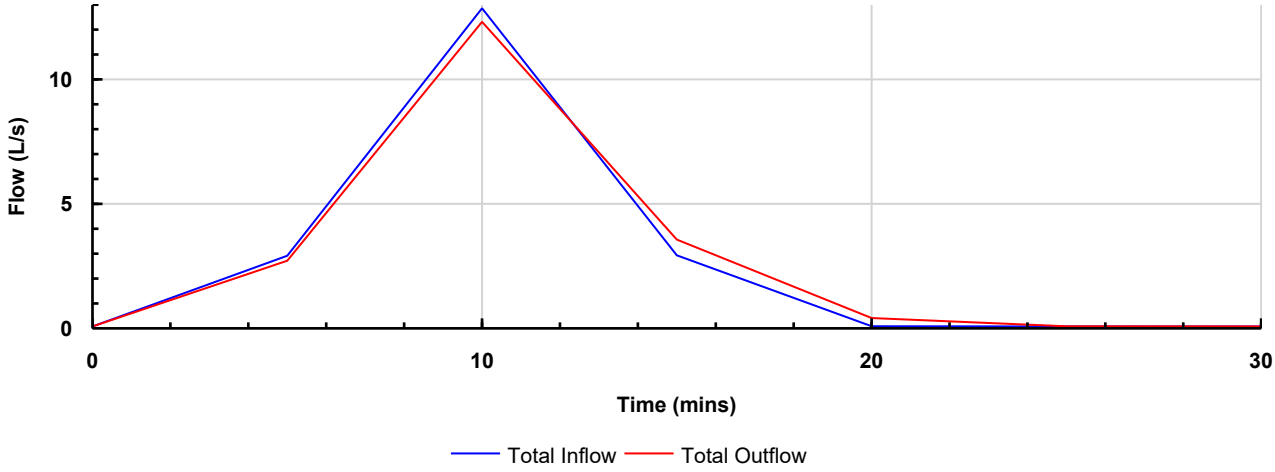
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SIC01 Type : Manhole

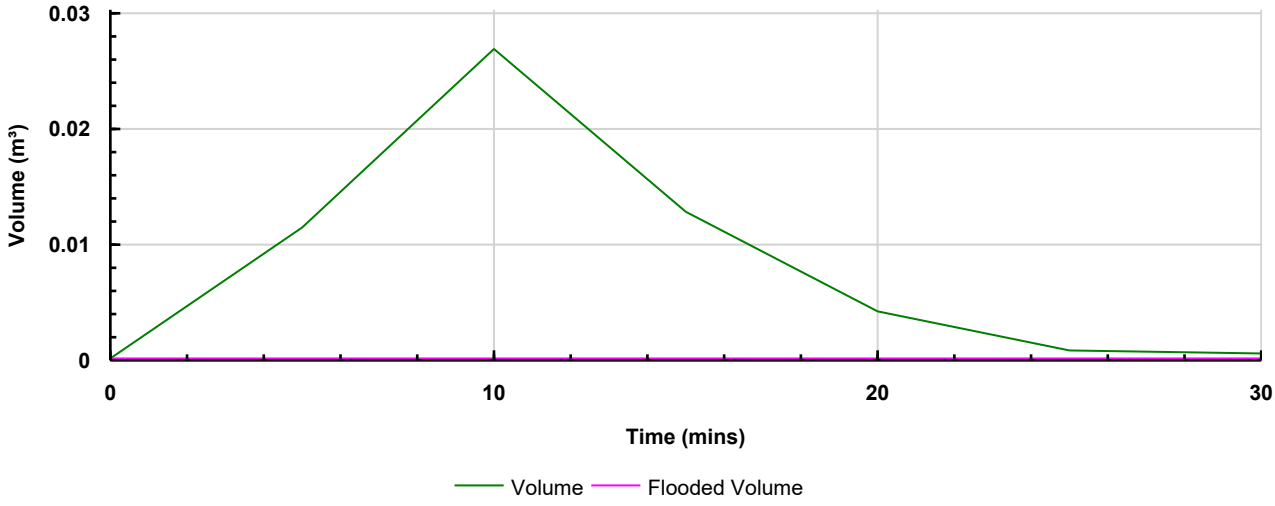
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs

Flow Graph

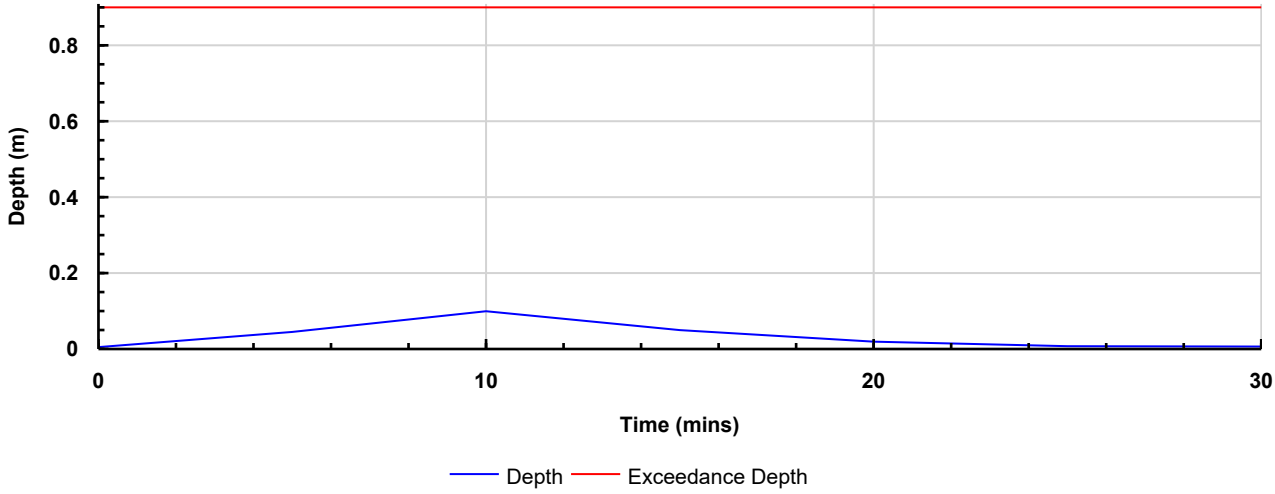


Volume Graph



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Depth Graph



Tables

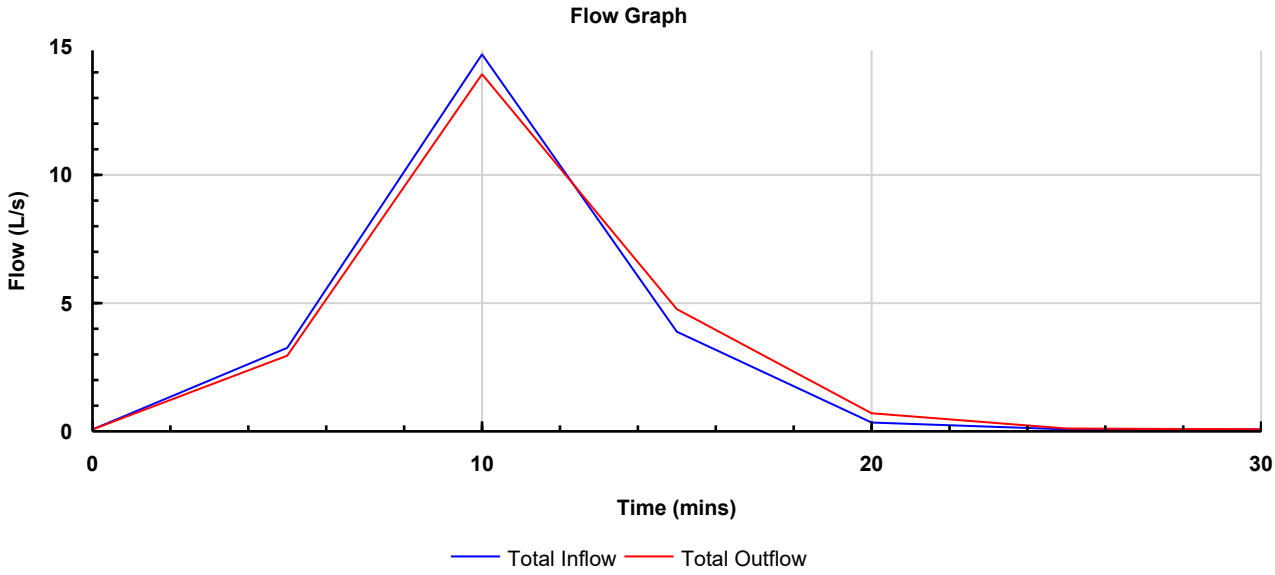
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	2.9	0.040	0.011	0.000	2.7
10	12.9	0.095	0.027	0.000	12.3
15	2.9	0.045	0.013	0.000	3.5
20	0.0	0.014	0.004	0.000	0.3
25	0.0	0.002	0.001	0.000	0.0
30	0.0	0.002	0.000	0.000	0.0

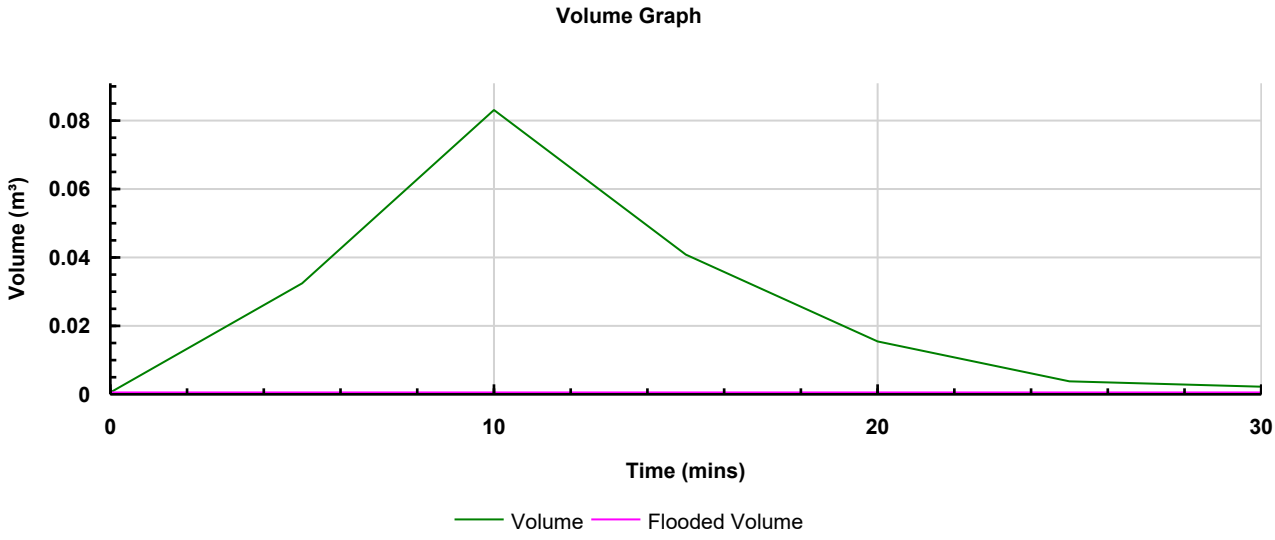
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH07 Type : Manhole

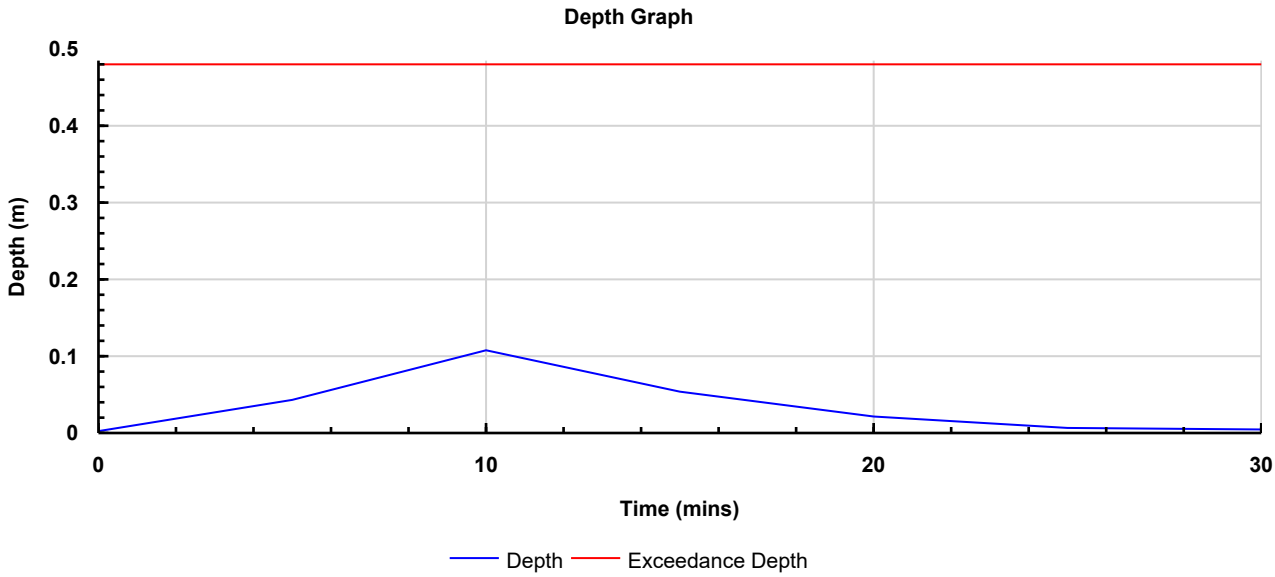
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

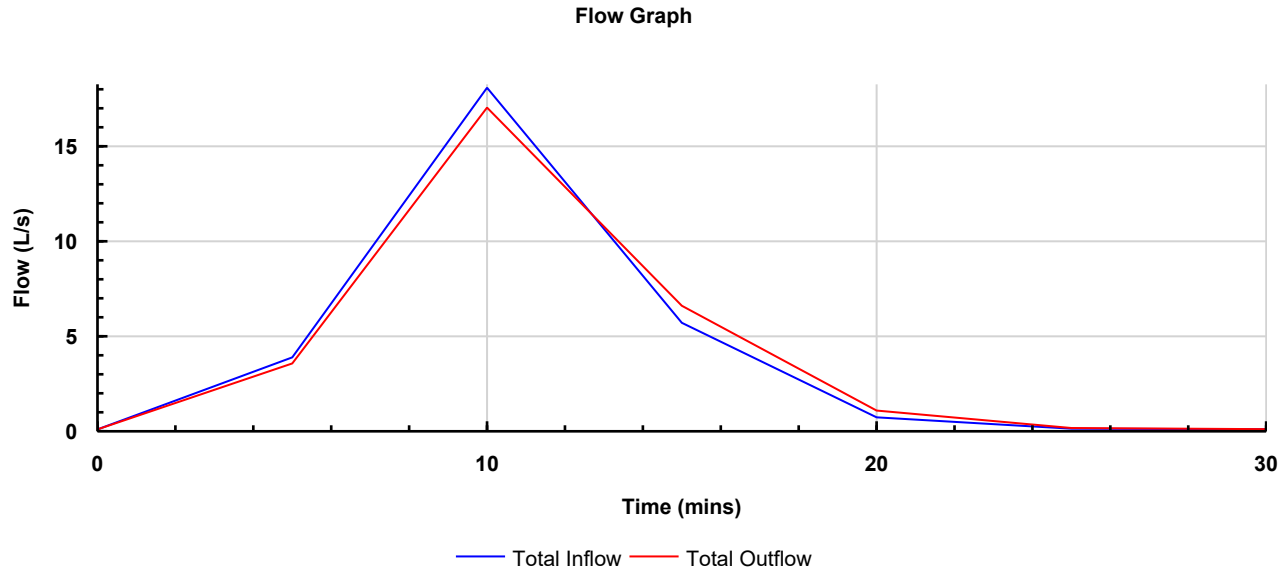
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	3.2	0.041	0.032	0.000	2.9
10	14.7	0.106	0.083	0.000	13.9
15	3.8	0.052	0.041	0.000	4.7
20	0.3	0.019	0.015	0.000	0.6
25	0.0	0.004	0.003	0.000	0.0
30	0.0	0.002	0.002	0.000	0.0

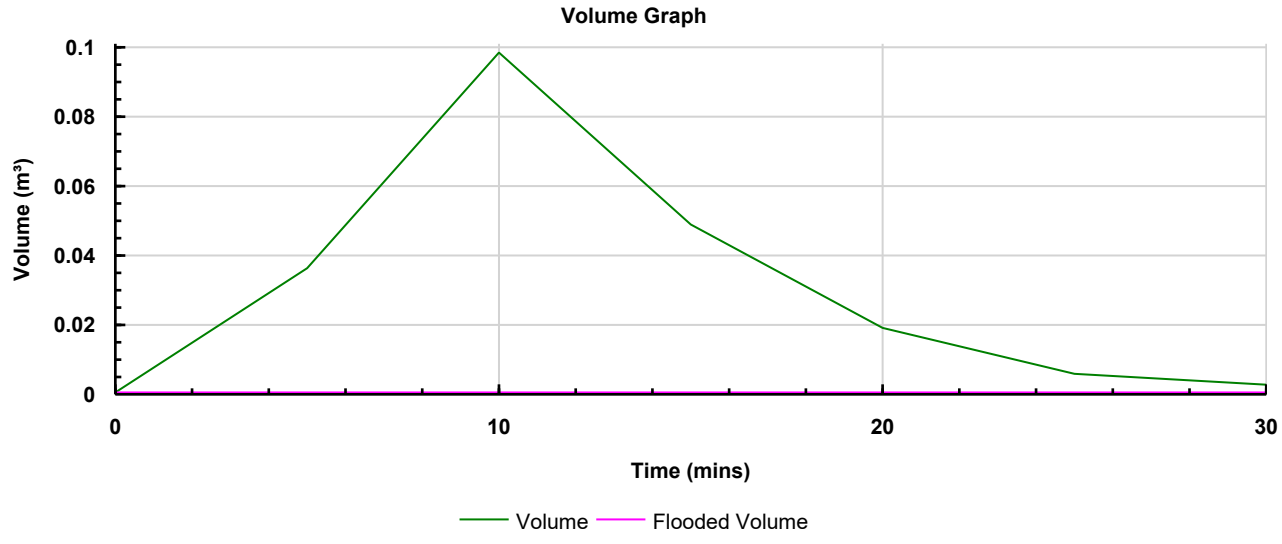
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH06 Type : Manhole

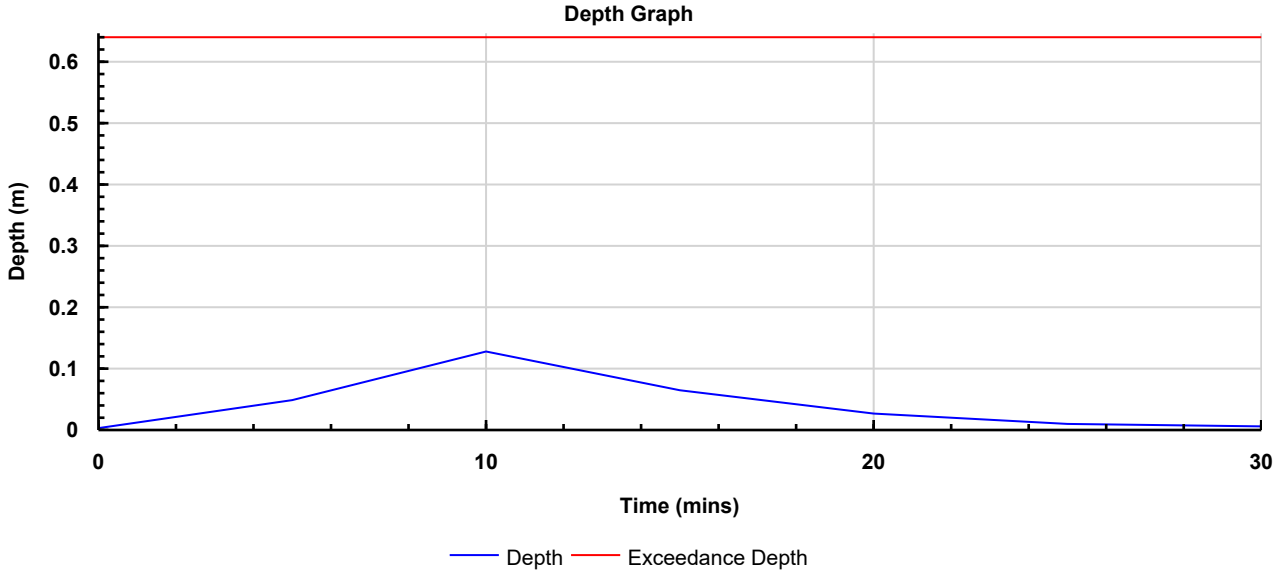
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

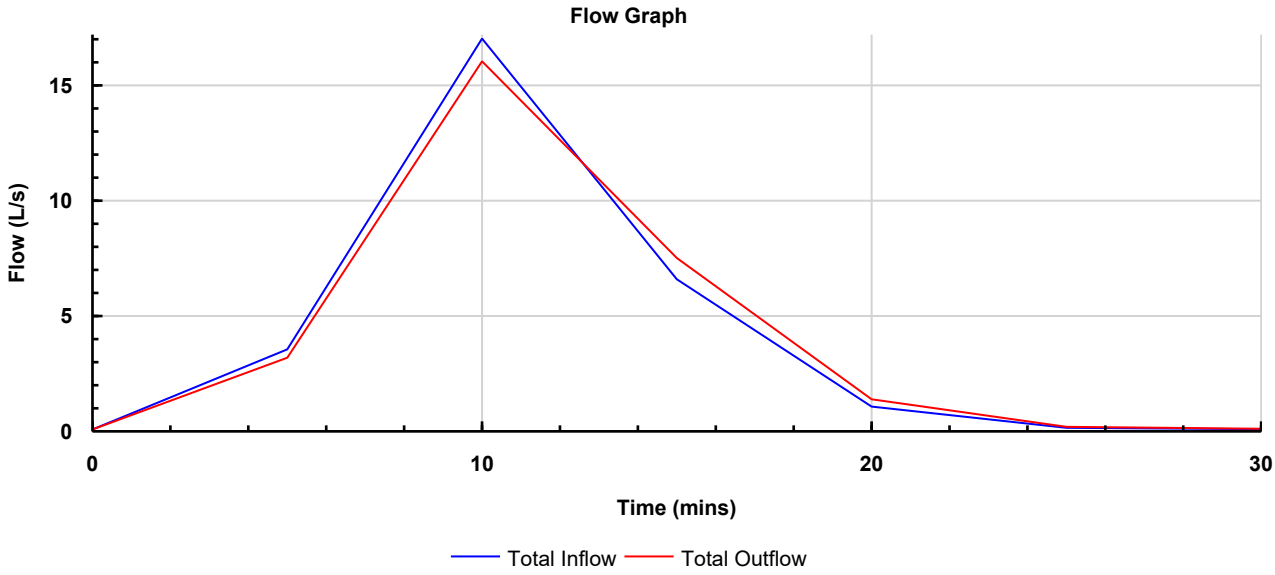
Tables

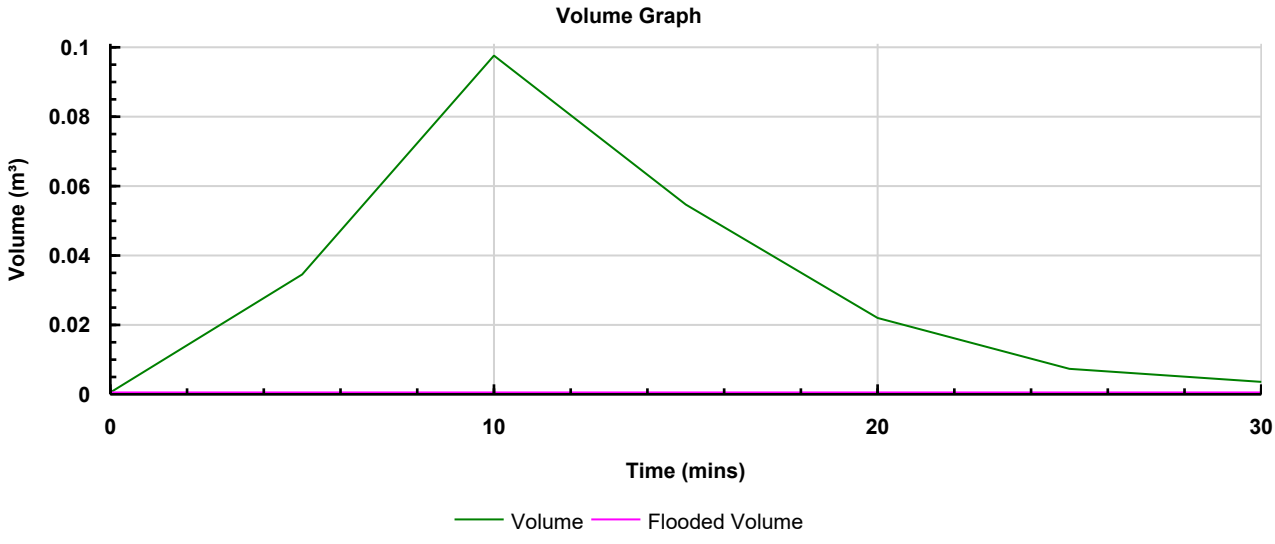
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	3.8	0.046	0.036	0.000	3.5
10	18.1	0.125	0.098	0.000	17.0
15	5.6	0.062	0.049	0.000	6.5
20	0.6	0.024	0.019	0.000	1.0
25	0.0	0.007	0.005	0.000	0.1
30	0.0	0.003	0.002	0.000	0.0

SMH05 Type : Manhole

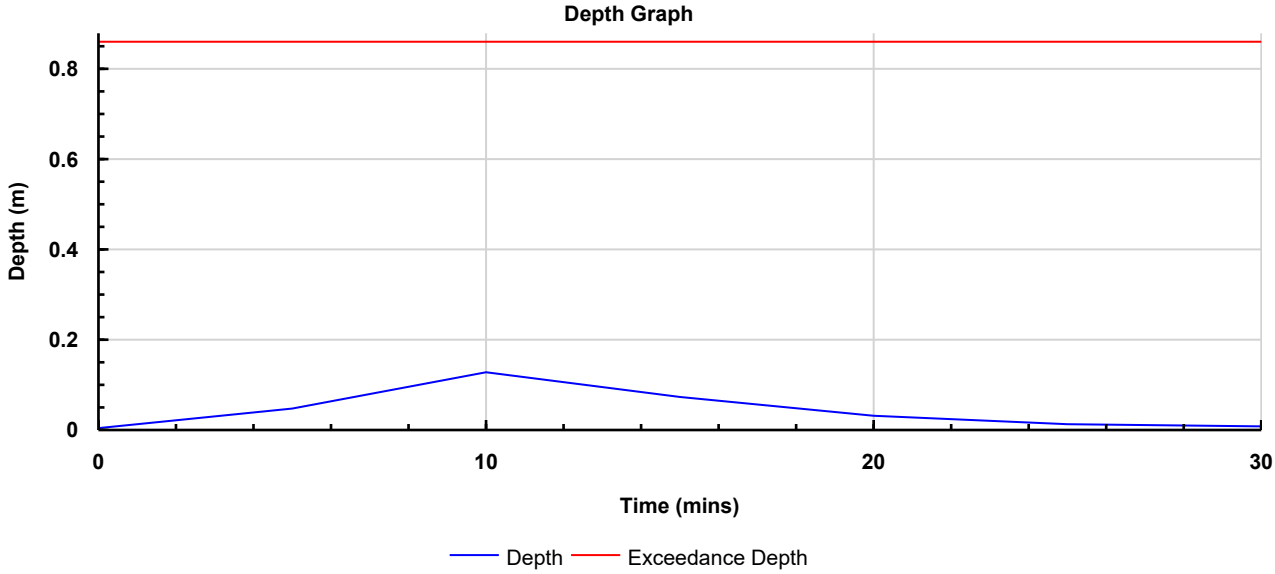
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	3.5	0.044	0.034	0.000	3.1
10	17.0	0.124	0.098	0.000	16.0
15	6.5	0.069	0.054	0.000	7.5
20	1.0	0.027	0.022	0.000	1.3
25	0.1	0.009	0.007	0.000	0.1
30	0.0	0.004	0.003	0.000	0.0

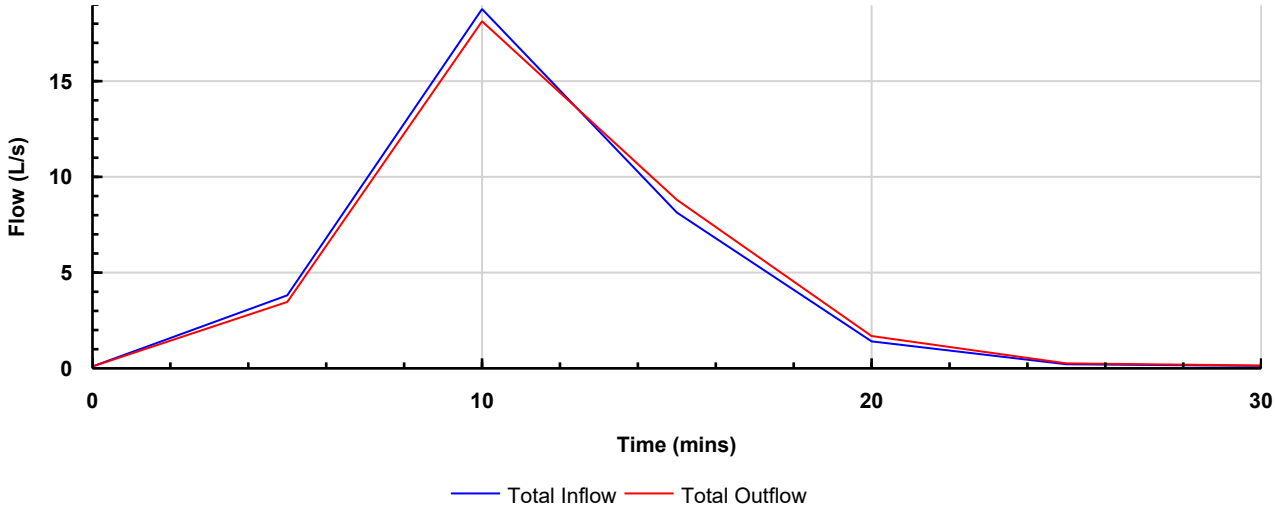
Project - 2080: Ramsbury Manor - Estate Yard	Date: 22/08/2025			
	Designed by: GB	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: Phase	Company Address: AFA Consulting Engineers Ltd			

SMH04 Type : Manhole

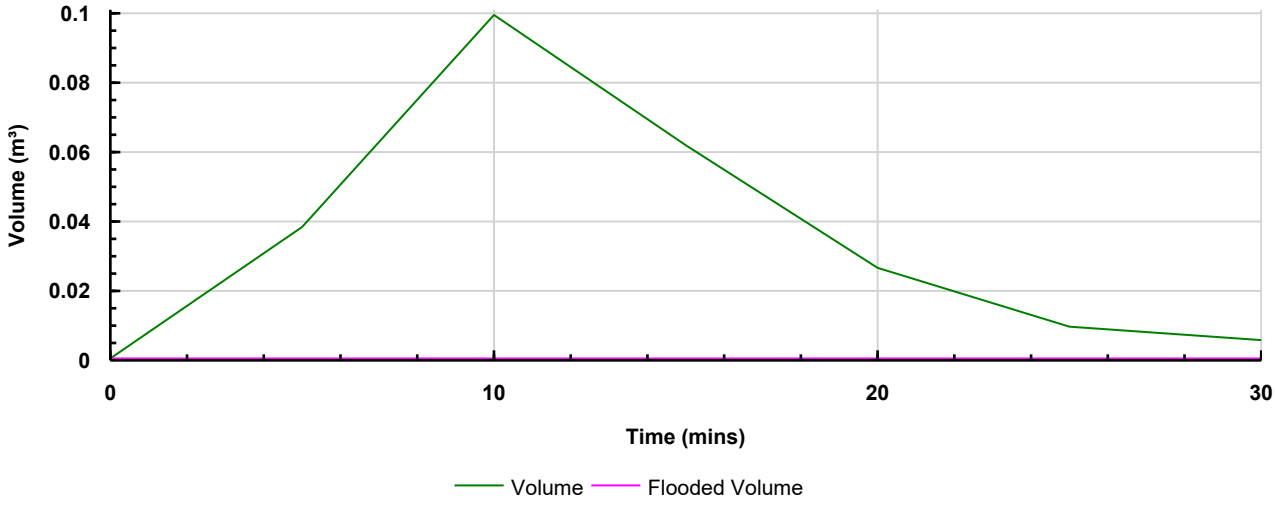
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs

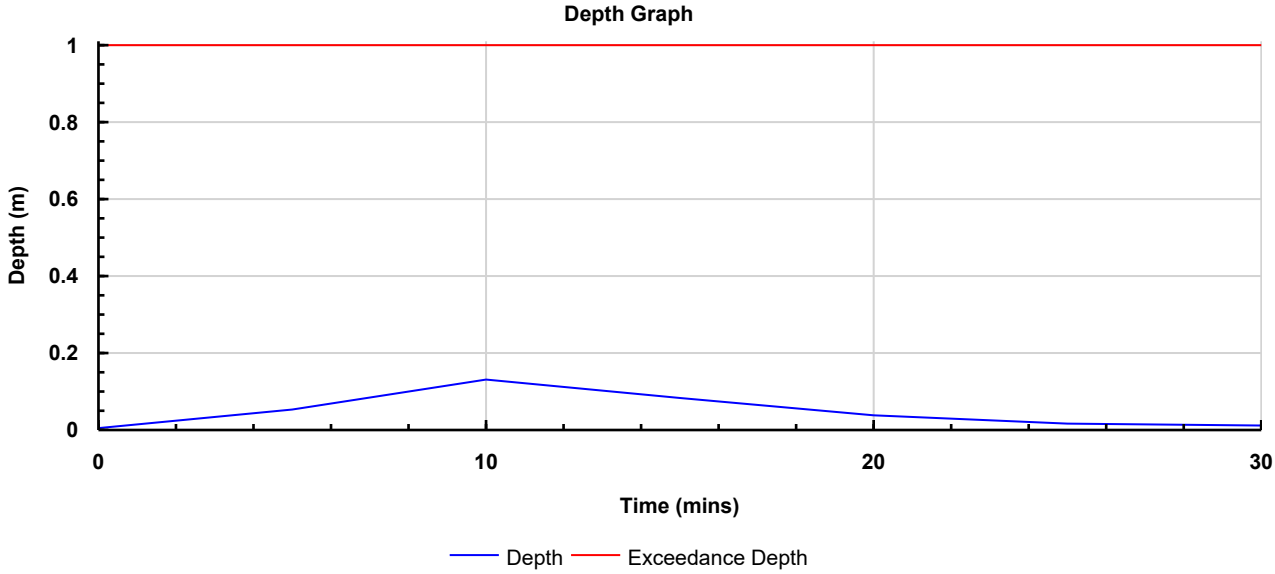
Flow Graph



Volume Graph



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

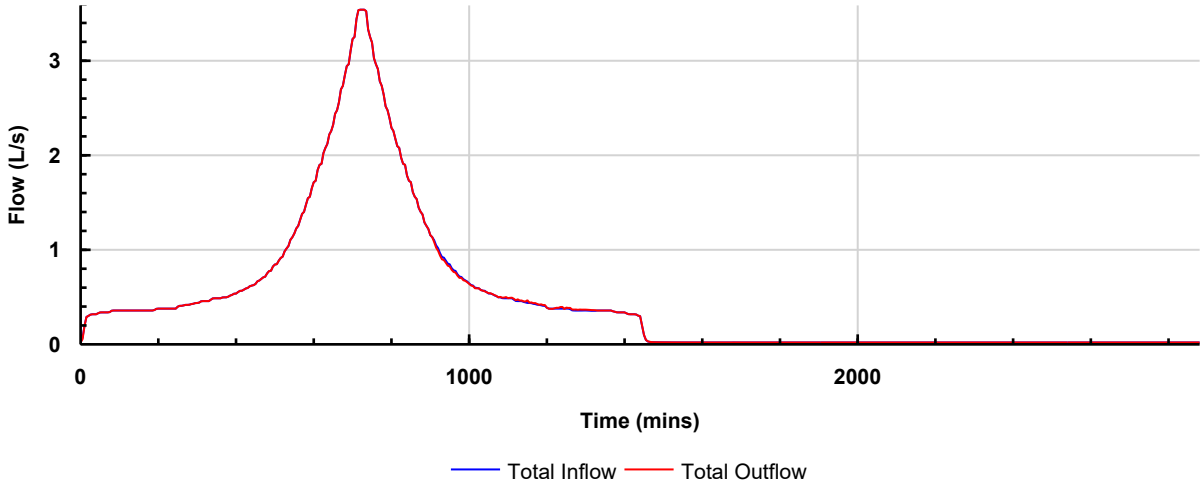
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	3.7	0.049	0.038	0.000	3.4
10	18.8	0.127	0.100	0.000	18.1
15	8.1	0.079	0.062	0.000	8.8
20	1.3	0.033	0.026	0.000	1.6
25	0.1	0.012	0.009	0.000	0.2
30	0.0	0.007	0.005	0.000	0.0

SMH03 Type : Manhole

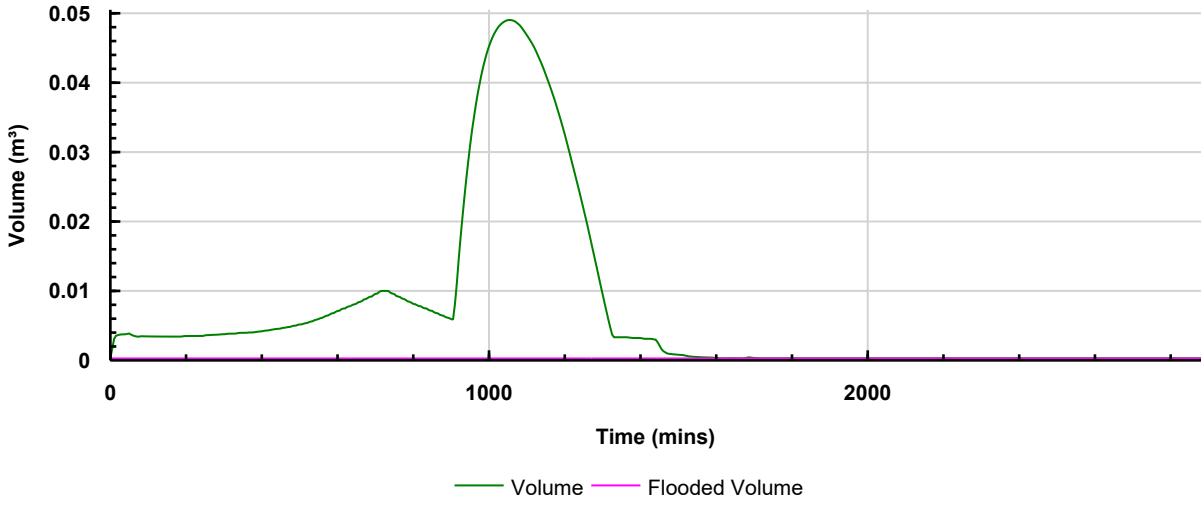
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

Graphs

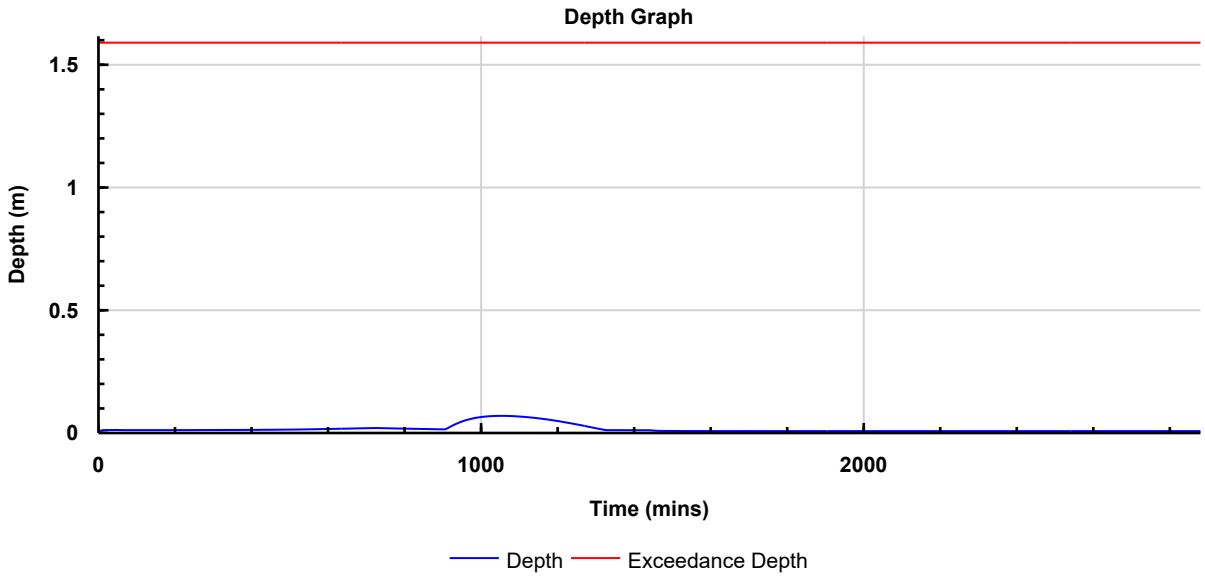
Flow Graph



Volume Graph



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.1	0.002	0.001	0.000	0.0
10	0.2	0.004	0.003	0.000	0.2
15	0.3	0.004	0.003	0.000	0.3
20	0.3	0.004	0.003	0.000	0.3
25	0.3	0.004	0.003	0.000	0.3
30	0.3	0.004	0.003	0.000	0.3
35	0.3	0.004	0.003	0.000	0.3
40	0.3	0.004	0.004	0.000	0.3
45	0.3	0.005	0.004	0.000	0.3
50	0.3	0.005	0.004	0.000	0.3
55	0.3	0.004	0.003	0.000	0.3
60	0.3	0.004	0.003	0.000	0.3
65	0.3	0.004	0.003	0.000	0.3
70	0.3	0.004	0.003	0.000	0.3
75	0.3	0.004	0.003	0.000	0.3
80	0.3	0.004	0.003	0.000	0.3
85	0.3	0.004	0.003	0.000	0.3
90	0.3	0.004	0.003	0.000	0.3
95	0.3	0.004	0.003	0.000	0.3
100	0.3	0.004	0.003	0.000	0.3
105	0.3	0.004	0.003	0.000	0.3
110	0.3	0.004	0.003	0.000	0.3
115	0.3	0.004	0.003	0.000	0.3
120	0.3	0.004	0.003	0.000	0.3
125	0.3	0.004	0.003	0.000	0.3
130	0.3	0.004	0.003	0.000	0.3
135	0.3	0.004	0.003	0.000	0.3
140	0.3	0.004	0.003	0.000	0.3
145	0.3	0.004	0.003	0.000	0.3
150	0.3	0.004	0.003	0.000	0.3
155	0.3	0.004	0.003	0.000	0.3
160	0.3	0.004	0.003	0.000	0.3
165	0.3	0.004	0.003	0.000	0.3
170	0.3	0.004	0.003	0.000	0.3
175	0.3	0.004	0.003	0.000	0.3
180	0.3	0.004	0.003	0.000	0.3
185	0.3	0.004	0.003	0.000	0.3
190	0.3	0.004	0.003	0.000	0.3
195	0.4	0.004	0.003	0.000	0.4
200	0.4	0.004	0.003	0.000	0.4
205	0.4	0.004	0.003	0.000	0.4
210	0.4	0.004	0.003	0.000	0.4
215	0.4	0.004	0.003	0.000	0.4
220	0.4	0.004	0.003	0.000	0.4
225	0.4	0.004	0.003	0.000	0.4
230	0.4	0.004	0.003	0.000	0.4
235	0.4	0.004	0.003	0.000	0.4
240	0.4	0.004	0.003	0.000	0.4
245	0.4	0.004	0.003	0.000	0.4
250	0.4	0.004	0.003	0.000	0.4
255	0.4	0.004	0.003	0.000	0.4

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
260	0.4	0.004	0.003	0.000	0.4
265	0.4	0.004	0.003	0.000	0.4
270	0.4	0.004	0.003	0.000	0.4
275	0.4	0.004	0.003	0.000	0.4
280	0.4	0.004	0.003	0.000	0.4
285	0.4	0.004	0.003	0.000	0.4
290	0.4	0.004	0.003	0.000	0.4
295	0.4	0.004	0.004	0.000	0.4
300	0.4	0.004	0.004	0.000	0.4
305	0.4	0.004	0.004	0.000	0.4
310	0.4	0.005	0.004	0.000	0.4
315	0.4	0.005	0.004	0.000	0.4
320	0.4	0.005	0.004	0.000	0.4
325	0.4	0.005	0.004	0.000	0.4
330	0.4	0.005	0.004	0.000	0.4
335	0.5	0.005	0.004	0.000	0.5
340	0.5	0.005	0.004	0.000	0.5
345	0.5	0.005	0.004	0.000	0.5
350	0.5	0.005	0.004	0.000	0.5
355	0.5	0.005	0.004	0.000	0.5
360	0.5	0.005	0.004	0.000	0.5
365	0.5	0.005	0.004	0.000	0.5
370	0.5	0.005	0.004	0.000	0.5
375	0.5	0.005	0.004	0.000	0.5
380	0.5	0.005	0.004	0.000	0.5
385	0.5	0.005	0.004	0.000	0.5
390	0.5	0.005	0.004	0.000	0.5
395	0.5	0.005	0.004	0.000	0.5
400	0.5	0.005	0.004	0.000	0.5
405	0.5	0.005	0.004	0.000	0.5
410	0.5	0.005	0.004	0.000	0.5
415	0.6	0.005	0.004	0.000	0.5
420	0.6	0.005	0.004	0.000	0.6
425	0.6	0.005	0.004	0.000	0.6
430	0.6	0.005	0.004	0.000	0.6
435	0.6	0.005	0.004	0.000	0.6
440	0.6	0.005	0.004	0.000	0.6
445	0.6	0.005	0.004	0.000	0.6
450	0.6	0.006	0.004	0.000	0.6
455	0.7	0.006	0.004	0.000	0.6
460	0.7	0.006	0.004	0.000	0.7
465	0.7	0.006	0.005	0.000	0.7
470	0.7	0.006	0.005	0.000	0.7
475	0.7	0.006	0.005	0.000	0.7
480	0.7	0.006	0.005	0.000	0.7
485	0.8	0.006	0.005	0.000	0.8
490	0.8	0.006	0.005	0.000	0.8
495	0.8	0.006	0.005	0.000	0.8
500	0.8	0.006	0.005	0.000	0.8
505	0.8	0.006	0.005	0.000	0.8
510	0.9	0.006	0.005	0.000	0.9
515	0.9	0.006	0.005	0.000	0.9
520	0.9	0.007	0.005	0.000	0.9
525	1.0	0.007	0.005	0.000	1.0
530	1.0	0.007	0.005	0.000	1.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
535	1.0	0.007	0.005	0.000	1.0
540	1.1	0.007	0.006	0.000	1.1
545	1.1	0.007	0.006	0.000	1.1
550	1.2	0.007	0.006	0.000	1.2
555	1.2	0.007	0.006	0.000	1.2
560	1.2	0.008	0.006	0.000	1.2
565	1.3	0.008	0.006	0.000	1.3
570	1.4	0.008	0.006	0.000	1.4
575	1.4	0.008	0.006	0.000	1.4
580	1.5	0.008	0.006	0.000	1.5
585	1.5	0.008	0.007	0.000	1.5
590	1.5	0.008	0.007	0.000	1.5
595	1.6	0.009	0.007	0.000	1.6
600	1.7	0.009	0.007	0.000	1.7
605	1.7	0.009	0.007	0.000	1.7
610	1.8	0.009	0.007	0.000	1.8
615	1.9	0.009	0.007	0.000	1.9
620	1.9	0.009	0.007	0.000	1.9
625	2.0	0.009	0.007	0.000	2.0
630	2.1	0.010	0.008	0.000	2.1
635	2.1	0.010	0.008	0.000	2.1
640	2.2	0.010	0.008	0.000	2.2
645	2.2	0.010	0.008	0.000	2.2
650	2.3	0.010	0.008	0.000	2.3
655	2.4	0.010	0.008	0.000	2.4
660	2.5	0.010	0.008	0.000	2.5
665	2.6	0.011	0.008	0.000	2.6
670	2.7	0.011	0.009	0.000	2.7
675	2.7	0.011	0.009	0.000	2.7
680	2.8	0.011	0.009	0.000	2.8
685	2.9	0.011	0.009	0.000	2.9
690	3.0	0.011	0.009	0.000	3.0
695	3.1	0.012	0.009	0.000	3.1
700	3.2	0.012	0.009	0.000	3.2
705	3.2	0.012	0.009	0.000	3.2
710	3.4	0.012	0.010	0.000	3.4
715	3.5	0.012	0.010	0.000	3.5
720	3.5	0.012	0.010	0.000	3.5
725	3.5	0.012	0.010	0.000	3.5
730	3.5	0.012	0.010	0.000	3.5
735	3.5	0.012	0.010	0.000	3.5
740	3.3	0.012	0.010	0.000	3.3
745	3.3	0.012	0.009	0.000	3.3
750	3.2	0.012	0.009	0.000	3.2
755	3.0	0.012	0.009	0.000	3.0
760	3.0	0.011	0.009	0.000	3.0
765	2.9	0.011	0.009	0.000	2.9
770	2.8	0.011	0.009	0.000	2.8
775	2.7	0.011	0.009	0.000	2.7
780	2.6	0.011	0.008	0.000	2.6
785	2.5	0.011	0.008	0.000	2.5
790	2.5	0.010	0.008	0.000	2.5
795	2.4	0.010	0.008	0.000	2.4
800	2.3	0.010	0.008	0.000	2.3
805	2.3	0.010	0.008	0.000	2.3

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
810	2.2	0.010	0.008	0.000	2.2
815	2.1	0.010	0.008	0.000	2.1
820	2.1	0.010	0.008	0.000	2.1
825	2.0	0.009	0.007	0.000	2.0
830	1.9	0.009	0.007	0.000	1.9
835	1.9	0.009	0.007	0.000	1.9
840	1.8	0.009	0.007	0.000	1.8
845	1.7	0.009	0.007	0.000	1.7
850	1.7	0.009	0.007	0.000	1.7
855	1.6	0.009	0.007	0.000	1.6
860	1.6	0.008	0.007	0.000	1.6
865	1.5	0.008	0.007	0.000	1.5
870	1.4	0.008	0.006	0.000	1.4
875	1.4	0.008	0.006	0.000	1.4
880	1.4	0.008	0.006	0.000	1.4
885	1.3	0.008	0.006	0.000	1.3
890	1.2	0.008	0.006	0.000	1.2
895	1.2	0.007	0.006	0.000	1.2
900	1.1	0.007	0.006	0.000	1.1
905	1.1	0.007	0.006	0.000	1.1
910	1.1	0.010	0.008	0.000	1.1
915	1.0	0.014	0.011	0.000	1.0
920	1.0	0.018	0.014	0.000	1.0
925	1.0	0.022	0.018	0.000	0.9
930	0.9	0.026	0.021	0.000	0.9
935	0.9	0.030	0.023	0.000	0.9
940	0.9	0.033	0.026	0.000	0.8
945	0.8	0.036	0.028	0.000	0.8
950	0.8	0.039	0.031	0.000	0.8
955	0.8	0.042	0.033	0.000	0.8
960	0.8	0.044	0.035	0.000	0.8
965	0.8	0.047	0.037	0.000	0.7
970	0.7	0.049	0.038	0.000	0.7
975	0.7	0.051	0.040	0.000	0.7
980	0.7	0.052	0.041	0.000	0.7
985	0.7	0.054	0.042	0.000	0.7
990	0.7	0.055	0.043	0.000	0.7
995	0.6	0.057	0.044	0.000	0.6
1000	0.6	0.058	0.045	0.000	0.6
1005	0.6	0.059	0.046	0.000	0.6
1010	0.6	0.059	0.047	0.000	0.6
1015	0.6	0.060	0.047	0.000	0.6
1020	0.6	0.061	0.048	0.000	0.6
1025	0.6	0.061	0.048	0.000	0.6
1030	0.6	0.062	0.048	0.000	0.6
1035	0.6	0.062	0.049	0.000	0.6
1040	0.6	0.062	0.049	0.000	0.5
1045	0.5	0.062	0.049	0.000	0.5
1050	0.5	0.062	0.049	0.000	0.5
1055	0.5	0.062	0.049	0.000	0.5
1060	0.5	0.062	0.049	0.000	0.5
1065	0.5	0.062	0.049	0.000	0.5
1070	0.5	0.062	0.049	0.000	0.5
1075	0.5	0.062	0.049	0.000	0.5
1080	0.5	0.062	0.048	0.000	0.5

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1085	0.5	0.061	0.048	0.000	0.5
1090	0.5	0.061	0.048	0.000	0.5
1095	0.5	0.060	0.047	0.000	0.5
1100	0.5	0.060	0.047	0.000	0.5
1105	0.5	0.059	0.046	0.000	0.5
1110	0.5	0.059	0.046	0.000	0.5
1115	0.5	0.058	0.045	0.000	0.5
1120	0.4	0.057	0.045	0.000	0.4
1125	0.4	0.057	0.044	0.000	0.5
1130	0.4	0.056	0.044	0.000	0.4
1135	0.4	0.055	0.043	0.000	0.4
1140	0.4	0.054	0.043	0.000	0.4
1145	0.4	0.053	0.042	0.000	0.4
1150	0.4	0.052	0.041	0.000	0.4
1155	0.4	0.051	0.040	0.000	0.4
1160	0.4	0.050	0.040	0.000	0.4
1165	0.4	0.049	0.039	0.000	0.4
1170	0.4	0.048	0.038	0.000	0.4
1175	0.4	0.047	0.037	0.000	0.4
1180	0.4	0.046	0.036	0.000	0.4
1185	0.4	0.045	0.035	0.000	0.4
1190	0.4	0.044	0.034	0.000	0.4
1195	0.4	0.043	0.033	0.000	0.4
1200	0.4	0.041	0.032	0.000	0.4
1205	0.4	0.040	0.031	0.000	0.4
1210	0.4	0.039	0.030	0.000	0.4
1215	0.4	0.037	0.029	0.000	0.4
1220	0.4	0.036	0.028	0.000	0.4
1225	0.4	0.035	0.027	0.000	0.4
1230	0.4	0.033	0.026	0.000	0.4
1235	0.4	0.032	0.025	0.000	0.4
1240	0.4	0.030	0.024	0.000	0.4
1245	0.4	0.029	0.023	0.000	0.4
1250	0.4	0.027	0.022	0.000	0.4
1255	0.4	0.026	0.020	0.000	0.4
1260	0.4	0.024	0.019	0.000	0.4
1265	0.3	0.023	0.018	0.000	0.4
1270	0.3	0.021	0.017	0.000	0.4
1275	0.3	0.020	0.016	0.000	0.4
1280	0.3	0.018	0.014	0.000	0.3
1285	0.3	0.017	0.013	0.000	0.4
1290	0.3	0.015	0.012	0.000	0.3
1295	0.3	0.013	0.011	0.000	0.3
1300	0.3	0.012	0.009	0.000	0.3
1305	0.3	0.010	0.008	0.000	0.3
1310	0.3	0.009	0.007	0.000	0.3
1315	0.3	0.007	0.006	0.000	0.3
1320	0.3	0.006	0.005	0.000	0.3
1325	0.3	0.004	0.003	0.000	0.3
1330	0.3	0.004	0.003	0.000	0.3
1335	0.3	0.004	0.003	0.000	0.3
1340	0.3	0.004	0.003	0.000	0.3
1345	0.3	0.004	0.003	0.000	0.3
1350	0.3	0.004	0.003	0.000	0.3
1355	0.3	0.004	0.003	0.000	0.3

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1360	0.3	0.004	0.003	0.000	0.3
1365	0.3	0.004	0.003	0.000	0.3
1370	0.3	0.004	0.003	0.000	0.3
1375	0.3	0.004	0.003	0.000	0.3
1380	0.3	0.004	0.003	0.000	0.3
1385	0.3	0.004	0.003	0.000	0.3
1390	0.3	0.004	0.003	0.000	0.3
1395	0.3	0.004	0.003	0.000	0.3
1400	0.3	0.004	0.003	0.000	0.3
1405	0.3	0.004	0.003	0.000	0.3
1410	0.3	0.004	0.003	0.000	0.3
1415	0.3	0.004	0.003	0.000	0.3
1420	0.3	0.004	0.003	0.000	0.3
1425	0.3	0.004	0.003	0.000	0.3
1430	0.3	0.004	0.003	0.000	0.3
1435	0.3	0.004	0.003	0.000	0.3
1440	0.3	0.003	0.003	0.000	0.3
1445	0.2	0.003	0.002	0.000	0.2
1450	0.1	0.002	0.002	0.000	0.1
1455	0.0	0.002	0.001	0.000	0.0
1460	0.0	0.001	0.001	0.000	0.0
1465	0.0	0.001	0.001	0.000	0.0
1470	0.0	0.001	0.001	0.000	0.0
1475	0.0	0.001	0.001	0.000	0.0
1480	0.0	0.001	0.001	0.000	0.0
1485	0.0	0.001	0.001	0.000	0.0
1490	0.0	0.001	0.001	0.000	0.0
1495	0.0	0.001	0.001	0.000	0.0
1500	0.0	0.001	0.001	0.000	0.0
1505	0.0	0.001	0.001	0.000	0.0
1510	0.0	0.001	0.000	0.000	0.0
1515	0.0	0.001	0.000	0.000	0.0
1520	0.0	0.000	0.000	0.000	0.0
1525	0.0	0.000	0.000	0.000	0.0
1530	0.0	0.000	0.000	0.000	0.0
1535	0.0	0.000	0.000	0.000	0.0
1540	0.0	0.000	0.000	0.000	0.0
1545	0.0	0.000	0.000	0.000	0.0
1550	0.0	0.000	0.000	0.000	0.0
1555	0.0	0.000	0.000	0.000	0.0
1560	0.0	0.000	0.000	0.000	0.0
1565	0.0	0.000	0.000	0.000	0.0
1570	0.0	0.000	0.000	0.000	0.0
1575	0.0	0.000	0.000	0.000	0.0
1580	0.0	0.000	0.000	0.000	0.0
1585	0.0	0.000	0.000	0.000	0.0
1590	0.0	0.000	0.000	0.000	0.0
1595	0.0	0.000	0.000	0.000	0.0
1600	0.0	0.000	0.000	0.000	0.0
1605	0.0	0.000	0.000	0.000	0.0
1610	0.0	0.000	0.000	0.000	0.0
1615	0.0	0.000	0.000	0.000	0.0
1620	0.0	0.000	0.000	0.000	0.0
1625	0.0	0.000	0.000	0.000	0.0
1630	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1635	0.0	0.000	0.000	0.000	0.0
1640	0.0	0.000	0.000	0.000	0.0
1645	0.0	0.000	0.000	0.000	0.0
1650	0.0	0.000	0.000	0.000	0.0
1655	0.0	0.000	0.000	0.000	0.0
1660	0.0	0.000	0.000	0.000	0.0
1665	0.0	0.000	0.000	0.000	0.0
1670	0.0	0.000	0.000	0.000	0.0
1675	0.0	0.000	0.000	0.000	0.0
1680	0.0	0.000	0.000	0.000	0.0
1685	0.0	0.000	0.000	0.000	0.0
1690	0.0	0.000	0.000	0.000	0.0
1695	0.0	0.000	0.000	0.000	0.0
1700	0.0	0.000	0.000	0.000	0.0
1705	0.0	0.000	0.000	0.000	0.0
1710	0.0	0.000	0.000	0.000	0.0
1715	0.0	0.000	0.000	0.000	0.0
1720	0.0	0.000	0.000	0.000	0.0
1725	0.0	0.000	0.000	0.000	0.0
1730	0.0	0.000	0.000	0.000	0.0
1735	0.0	0.000	0.000	0.000	0.0
1740	0.0	0.000	0.000	0.000	0.0
1745	0.0	0.000	0.000	0.000	0.0
1750	0.0	0.000	0.000	0.000	0.0
1755	0.0	0.000	0.000	0.000	0.0
1760	0.0	0.000	0.000	0.000	0.0
1765	0.0	0.000	0.000	0.000	0.0
1770	0.0	0.000	0.000	0.000	0.0
1775	0.0	0.000	0.000	0.000	0.0
1780	0.0	0.000	0.000	0.000	0.0
1785	0.0	0.000	0.000	0.000	0.0
1790	0.0	0.000	0.000	0.000	0.0
1795	0.0	0.000	0.000	0.000	0.0
1800	0.0	0.000	0.000	0.000	0.0
1805	0.0	0.000	0.000	0.000	0.0
1810	0.0	0.000	0.000	0.000	0.0
1815	0.0	0.000	0.000	0.000	0.0
1820	0.0	0.000	0.000	0.000	0.0
1825	0.0	0.000	0.000	0.000	0.0
1830	0.0	0.000	0.000	0.000	0.0
1835	0.0	0.000	0.000	0.000	0.0
1840	0.0	0.000	0.000	0.000	0.0
1845	0.0	0.000	0.000	0.000	0.0
1850	0.0	0.000	0.000	0.000	0.0
1855	0.0	0.000	0.000	0.000	0.0
1860	0.0	0.000	0.000	0.000	0.0
1865	0.0	0.000	0.000	0.000	0.0
1870	0.0	0.000	0.000	0.000	0.0
1875	0.0	0.000	0.000	0.000	0.0
1880	0.0	0.000	0.000	0.000	0.0
1885	0.0	0.000	0.000	0.000	0.0
1890	0.0	0.000	0.000	0.000	0.0
1895	0.0	0.000	0.000	0.000	0.0
1900	0.0	0.000	0.000	0.000	0.0
1905	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1910	0.0	0.000	0.000	0.000	0.0
1915	0.0	0.000	0.000	0.000	0.0
1920	0.0	0.000	0.000	0.000	0.0
1925	0.0	0.000	0.000	0.000	0.0
1930	0.0	0.000	0.000	0.000	0.0
1935	0.0	0.000	0.000	0.000	0.0
1940	0.0	0.000	0.000	0.000	0.0
1945	0.0	0.000	0.000	0.000	0.0
1950	0.0	0.000	0.000	0.000	0.0
1955	0.0	0.000	0.000	0.000	0.0
1960	0.0	0.000	0.000	0.000	0.0
1965	0.0	0.000	0.000	0.000	0.0
1970	0.0	0.000	0.000	0.000	0.0
1975	0.0	0.000	0.000	0.000	0.0
1980	0.0	0.000	0.000	0.000	0.0
1985	0.0	0.000	0.000	0.000	0.0
1990	0.0	0.000	0.000	0.000	0.0
1995	0.0	0.000	0.000	0.000	0.0
2000	0.0	0.000	0.000	0.000	0.0
2005	0.0	0.000	0.000	0.000	0.0
2010	0.0	0.000	0.000	0.000	0.0
2015	0.0	0.000	0.000	0.000	0.0
2020	0.0	0.000	0.000	0.000	0.0
2025	0.0	0.000	0.000	0.000	0.0
2030	0.0	0.000	0.000	0.000	0.0
2035	0.0	0.000	0.000	0.000	0.0
2040	0.0	0.000	0.000	0.000	0.0
2045	0.0	0.000	0.000	0.000	0.0
2050	0.0	0.000	0.000	0.000	0.0
2055	0.0	0.000	0.000	0.000	0.0
2060	0.0	0.000	0.000	0.000	0.0
2065	0.0	0.000	0.000	0.000	0.0
2070	0.0	0.000	0.000	0.000	0.0
2075	0.0	0.000	0.000	0.000	0.0
2080	0.0	0.000	0.000	0.000	0.0
2085	0.0	0.000	0.000	0.000	0.0
2090	0.0	0.000	0.000	0.000	0.0
2095	0.0	0.000	0.000	0.000	0.0
2100	0.0	0.000	0.000	0.000	0.0
2105	0.0	0.000	0.000	0.000	0.0
2110	0.0	0.000	0.000	0.000	0.0
2115	0.0	0.000	0.000	0.000	0.0
2120	0.0	0.000	0.000	0.000	0.0
2125	0.0	0.000	0.000	0.000	0.0
2130	0.0	0.000	0.000	0.000	0.0
2135	0.0	0.000	0.000	0.000	0.0
2140	0.0	0.000	0.000	0.000	0.0
2145	0.0	0.000	0.000	0.000	0.0
2150	0.0	0.000	0.000	0.000	0.0
2155	0.0	0.000	0.000	0.000	0.0
2160	0.0	0.000	0.000	0.000	0.0
2165	0.0	0.000	0.000	0.000	0.0
2170	0.0	0.000	0.000	0.000	0.0
2175	0.0	0.000	0.000	0.000	0.0
2180	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2185	0.0	0.000	0.000	0.000	0.0
2190	0.0	0.000	0.000	0.000	0.0
2195	0.0	0.000	0.000	0.000	0.0
2200	0.0	0.000	0.000	0.000	0.0
2205	0.0	0.000	0.000	0.000	0.0
2210	0.0	0.000	0.000	0.000	0.0
2215	0.0	0.000	0.000	0.000	0.0
2220	0.0	0.000	0.000	0.000	0.0
2225	0.0	0.000	0.000	0.000	0.0
2230	0.0	0.000	0.000	0.000	0.0
2235	0.0	0.000	0.000	0.000	0.0
2240	0.0	0.000	0.000	0.000	0.0
2245	0.0	0.000	0.000	0.000	0.0
2250	0.0	0.000	0.000	0.000	0.0
2255	0.0	0.000	0.000	0.000	0.0
2260	0.0	0.000	0.000	0.000	0.0
2265	0.0	0.000	0.000	0.000	0.0
2270	0.0	0.000	0.000	0.000	0.0
2275	0.0	0.000	0.000	0.000	0.0
2280	0.0	0.000	0.000	0.000	0.0
2285	0.0	0.000	0.000	0.000	0.0
2290	0.0	0.000	0.000	0.000	0.0
2295	0.0	0.000	0.000	0.000	0.0
2300	0.0	0.000	0.000	0.000	0.0
2305	0.0	0.000	0.000	0.000	0.0
2310	0.0	0.000	0.000	0.000	0.0
2315	0.0	0.000	0.000	0.000	0.0
2320	0.0	0.000	0.000	0.000	0.0
2325	0.0	0.000	0.000	0.000	0.0
2330	0.0	0.000	0.000	0.000	0.0
2335	0.0	0.000	0.000	0.000	0.0
2340	0.0	0.000	0.000	0.000	0.0
2345	0.0	0.000	0.000	0.000	0.0
2350	0.0	0.000	0.000	0.000	0.0
2355	0.0	0.000	0.000	0.000	0.0
2360	0.0	0.000	0.000	0.000	0.0
2365	0.0	0.000	0.000	0.000	0.0
2370	0.0	0.000	0.000	0.000	0.0
2375	0.0	0.000	0.000	0.000	0.0
2380	0.0	0.000	0.000	0.000	0.0
2385	0.0	0.000	0.000	0.000	0.0
2390	0.0	0.000	0.000	0.000	0.0
2395	0.0	0.000	0.000	0.000	0.0
2400	0.0	0.000	0.000	0.000	0.0
2405	0.0	0.000	0.000	0.000	0.0
2410	0.0	0.000	0.000	0.000	0.0
2415	0.0	0.000	0.000	0.000	0.0
2420	0.0	0.000	0.000	0.000	0.0
2425	0.0	0.000	0.000	0.000	0.0
2430	0.0	0.000	0.000	0.000	0.0
2435	0.0	0.000	0.000	0.000	0.0
2440	0.0	0.000	0.000	0.000	0.0
2445	0.0	0.000	0.000	0.000	0.0
2450	0.0	0.000	0.000	0.000	0.0
2455	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2460	0.0	0.000	0.000	0.000	0.0
2465	0.0	0.000	0.000	0.000	0.0
2470	0.0	0.000	0.000	0.000	0.0
2475	0.0	0.000	0.000	0.000	0.0
2480	0.0	0.000	0.000	0.000	0.0
2485	0.0	0.000	0.000	0.000	0.0
2490	0.0	0.000	0.000	0.000	0.0
2495	0.0	0.000	0.000	0.000	0.0
2500	0.0	0.000	0.000	0.000	0.0
2505	0.0	0.000	0.000	0.000	0.0
2510	0.0	0.000	0.000	0.000	0.0
2515	0.0	0.000	0.000	0.000	0.0
2520	0.0	0.000	0.000	0.000	0.0
2525	0.0	0.000	0.000	0.000	0.0
2530	0.0	0.000	0.000	0.000	0.0
2535	0.0	0.000	0.000	0.000	0.0
2540	0.0	0.000	0.000	0.000	0.0
2545	0.0	0.000	0.000	0.000	0.0
2550	0.0	0.000	0.000	0.000	0.0
2555	0.0	0.000	0.000	0.000	0.0
2560	0.0	0.000	0.000	0.000	0.0
2565	0.0	0.000	0.000	0.000	0.0
2570	0.0	0.000	0.000	0.000	0.0
2575	0.0	0.000	0.000	0.000	0.0
2580	0.0	0.000	0.000	0.000	0.0
2585	0.0	0.000	0.000	0.000	0.0
2590	0.0	0.000	0.000	0.000	0.0
2595	0.0	0.000	0.000	0.000	0.0
2600	0.0	0.000	0.000	0.000	0.0
2605	0.0	0.000	0.000	0.000	0.0
2610	0.0	0.000	0.000	0.000	0.0
2615	0.0	0.000	0.000	0.000	0.0
2620	0.0	0.000	0.000	0.000	0.0
2625	0.0	0.000	0.000	0.000	0.0
2630	0.0	0.000	0.000	0.000	0.0
2635	0.0	0.000	0.000	0.000	0.0
2640	0.0	0.000	0.000	0.000	0.0
2645	0.0	0.000	0.000	0.000	0.0
2650	0.0	0.000	0.000	0.000	0.0
2655	0.0	0.000	0.000	0.000	0.0
2660	0.0	0.000	0.000	0.000	0.0
2665	0.0	0.000	0.000	0.000	0.0
2670	0.0	0.000	0.000	0.000	0.0
2675	0.0	0.000	0.000	0.000	0.0
2680	0.0	0.000	0.000	0.000	0.0
2685	0.0	0.000	0.000	0.000	0.0
2690	0.0	0.000	0.000	0.000	0.0
2695	0.0	0.000	0.000	0.000	0.0
2700	0.0	0.000	0.000	0.000	0.0
2705	0.0	0.000	0.000	0.000	0.0
2710	0.0	0.000	0.000	0.000	0.0
2715	0.0	0.000	0.000	0.000	0.0
2720	0.0	0.000	0.000	0.000	0.0
2725	0.0	0.000	0.000	0.000	0.0
2730	0.0	0.000	0.000	0.000	0.0

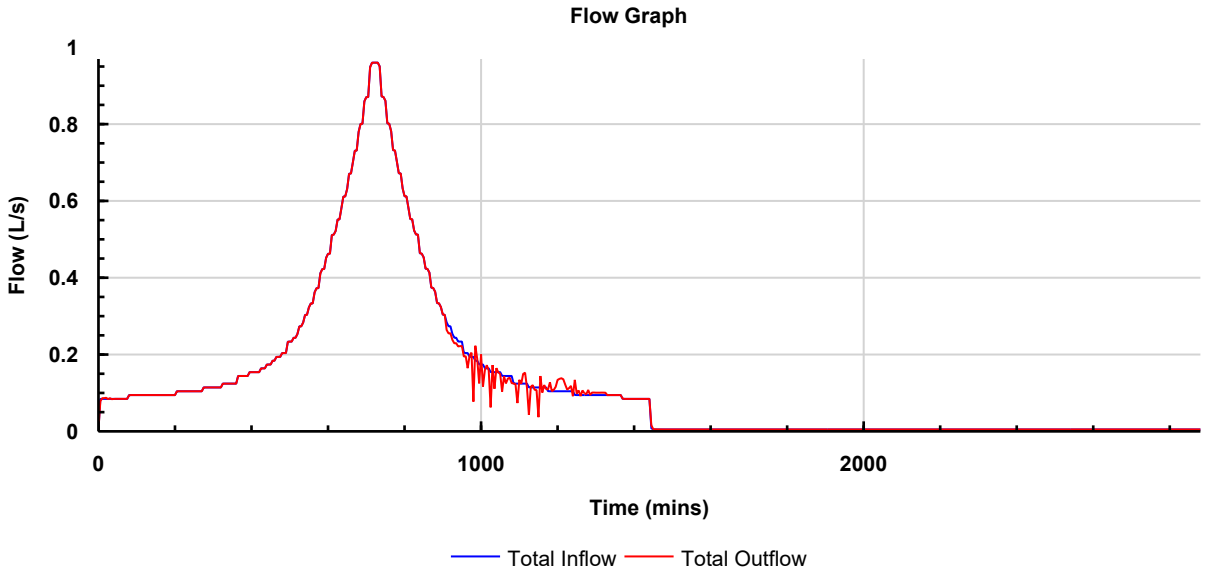
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

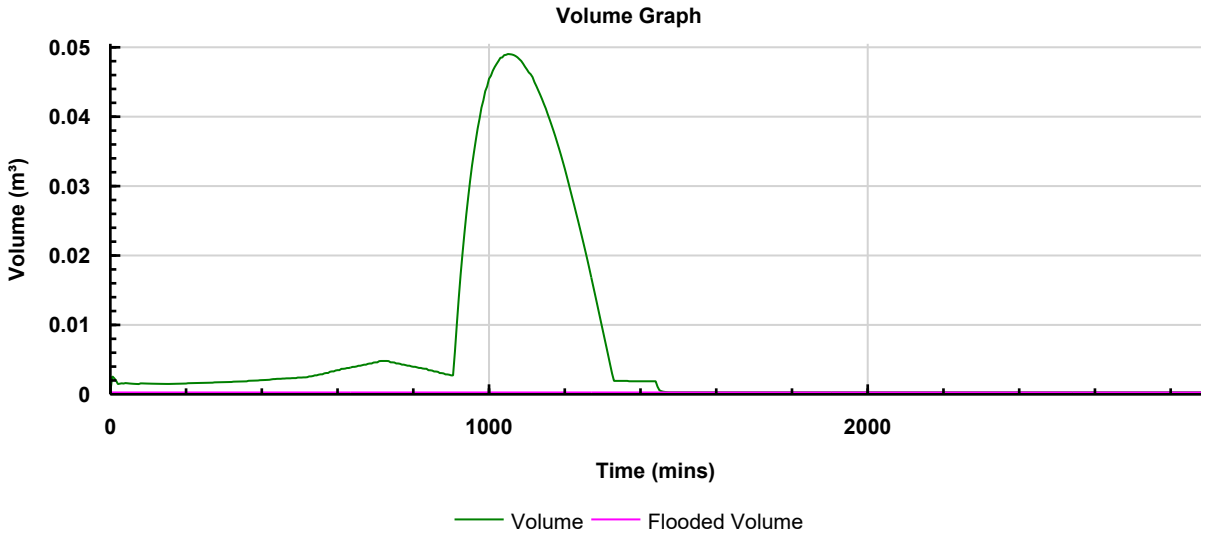
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2735	0.0	0.000	0.000	0.000	0.0
2740	0.0	0.000	0.000	0.000	0.0
2745	0.0	0.000	0.000	0.000	0.0
2750	0.0	0.000	0.000	0.000	0.0
2755	0.0	0.000	0.000	0.000	0.0
2760	0.0	0.000	0.000	0.000	0.0
2765	0.0	0.000	0.000	0.000	0.0
2770	0.0	0.000	0.000	0.000	0.0
2775	0.0	0.000	0.000	0.000	0.0
2780	0.0	0.000	0.000	0.000	0.0
2785	0.0	0.000	0.000	0.000	0.0
2790	0.0	0.000	0.000	0.000	0.0
2795	0.0	0.000	0.000	0.000	0.0
2800	0.0	0.000	0.000	0.000	0.0
2805	0.0	0.000	0.000	0.000	0.0
2810	0.0	0.000	0.000	0.000	0.0
2815	0.0	0.000	0.000	0.000	0.0
2820	0.0	0.000	0.000	0.000	0.0
2825	0.0	0.000	0.000	0.000	0.0
2830	0.0	0.000	0.000	0.000	0.0
2835	0.0	0.000	0.000	0.000	0.0
2840	0.0	0.000	0.000	0.000	0.0
2845	0.0	0.000	0.000	0.000	0.0
2850	0.0	0.000	0.000	0.000	0.0
2855	0.0	0.000	0.000	0.000	0.0
2860	0.0	0.000	0.000	0.000	0.0
2865	0.0	0.000	0.000	0.000	0.0
2870	0.0	0.000	0.000	0.000	0.0
2875	0.0	0.000	0.000	0.000	0.0
2880	0.0	0.000	0.000	0.000	0.0

SMH09 Type : Manhole

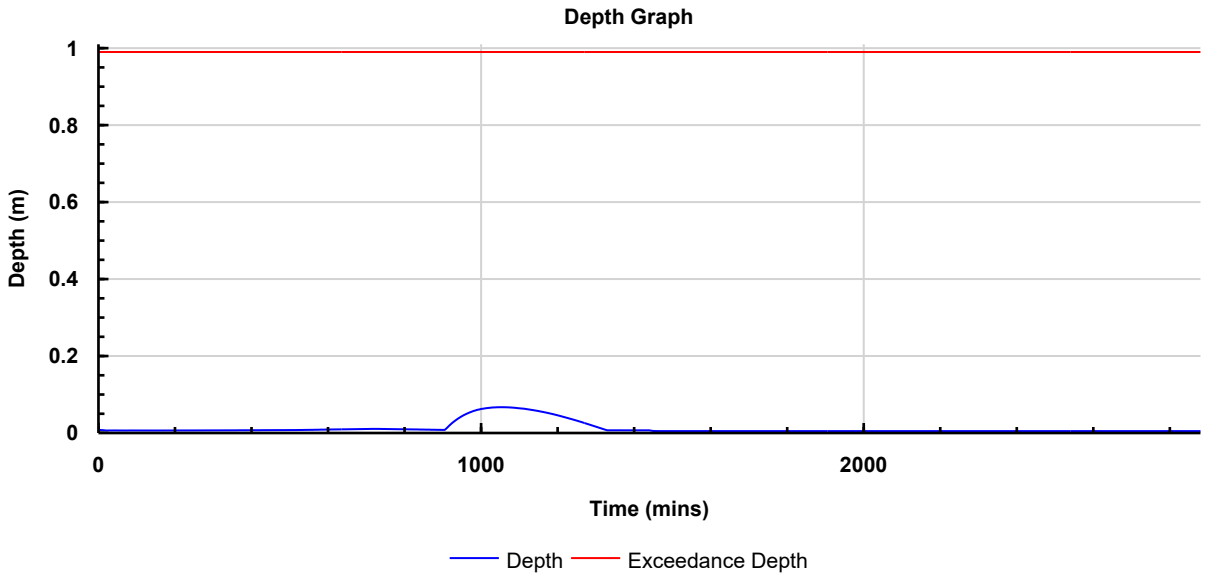
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.1	0.003	0.002	0.000	0.1
10	0.1	0.003	0.002	0.000	0.1
15	0.1	0.002	0.002	0.000	0.1
20	0.1	0.002	0.001	0.000	0.1
25	0.1	0.002	0.001	0.000	0.1
30	0.1	0.002	0.001	0.000	0.1
35	0.1	0.002	0.001	0.000	0.1
40	0.1	0.002	0.001	0.000	0.1
45	0.1	0.002	0.001	0.000	0.1
50	0.1	0.002	0.001	0.000	0.1
55	0.1	0.002	0.001	0.000	0.1
60	0.1	0.002	0.001	0.000	0.1
65	0.1	0.002	0.001	0.000	0.1
70	0.1	0.002	0.001	0.000	0.1
75	0.1	0.002	0.001	0.000	0.1
80	0.1	0.002	0.001	0.000	0.1
85	0.1	0.002	0.001	0.000	0.1
90	0.1	0.002	0.001	0.000	0.1
95	0.1	0.002	0.001	0.000	0.1
100	0.1	0.002	0.001	0.000	0.1
105	0.1	0.002	0.001	0.000	0.1
110	0.1	0.002	0.001	0.000	0.1
115	0.1	0.002	0.001	0.000	0.1
120	0.1	0.002	0.001	0.000	0.1
125	0.1	0.002	0.001	0.000	0.1
130	0.1	0.002	0.001	0.000	0.1
135	0.1	0.002	0.001	0.000	0.1
140	0.1	0.002	0.001	0.000	0.1
145	0.1	0.002	0.001	0.000	0.1
150	0.1	0.002	0.001	0.000	0.1
155	0.1	0.002	0.001	0.000	0.1
160	0.1	0.002	0.001	0.000	0.1
165	0.1	0.002	0.001	0.000	0.1
170	0.1	0.002	0.001	0.000	0.1
175	0.1	0.002	0.001	0.000	0.1
180	0.1	0.002	0.001	0.000	0.1
185	0.1	0.002	0.001	0.000	0.1
190	0.1	0.002	0.001	0.000	0.1
195	0.1	0.002	0.001	0.000	0.1
200	0.1	0.002	0.001	0.000	0.1
205	0.1	0.002	0.001	0.000	0.1
210	0.1	0.002	0.001	0.000	0.1
215	0.1	0.002	0.001	0.000	0.1
220	0.1	0.002	0.001	0.000	0.1
225	0.1	0.002	0.001	0.000	0.1
230	0.1	0.002	0.001	0.000	0.1
235	0.1	0.002	0.001	0.000	0.1
240	0.1	0.002	0.001	0.000	0.1
245	0.1	0.002	0.001	0.000	0.1
250	0.1	0.002	0.001	0.000	0.1
255	0.1	0.002	0.001	0.000	0.1

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
260	0.1	0.002	0.001	0.000	0.1
265	0.1	0.002	0.001	0.000	0.1
270	0.1	0.002	0.001	0.000	0.1
275	0.1	0.002	0.001	0.000	0.1
280	0.1	0.002	0.001	0.000	0.1
285	0.1	0.002	0.001	0.000	0.1
290	0.1	0.002	0.001	0.000	0.1
295	0.1	0.002	0.001	0.000	0.1
300	0.1	0.002	0.001	0.000	0.1
305	0.1	0.002	0.001	0.000	0.1
310	0.1	0.002	0.002	0.000	0.1
315	0.1	0.002	0.002	0.000	0.1
320	0.1	0.002	0.002	0.000	0.1
325	0.1	0.002	0.002	0.000	0.1
330	0.1	0.002	0.002	0.000	0.1
335	0.1	0.002	0.002	0.000	0.1
340	0.1	0.002	0.002	0.000	0.1
345	0.1	0.002	0.002	0.000	0.1
350	0.1	0.002	0.002	0.000	0.1
355	0.1	0.002	0.002	0.000	0.1
360	0.1	0.002	0.002	0.000	0.1
365	0.1	0.002	0.002	0.000	0.1
370	0.1	0.002	0.002	0.000	0.1
375	0.1	0.002	0.002	0.000	0.1
380	0.1	0.002	0.002	0.000	0.1
385	0.1	0.002	0.002	0.000	0.1
390	0.1	0.002	0.002	0.000	0.1
395	0.1	0.002	0.002	0.000	0.1
400	0.2	0.002	0.002	0.000	0.1
405	0.2	0.002	0.002	0.000	0.1
410	0.2	0.002	0.002	0.000	0.1
415	0.2	0.002	0.002	0.000	0.1
420	0.2	0.002	0.002	0.000	0.1
425	0.2	0.002	0.002	0.000	0.2
430	0.2	0.002	0.002	0.000	0.2
435	0.2	0.002	0.002	0.000	0.2
440	0.2	0.003	0.002	0.000	0.2
445	0.2	0.003	0.002	0.000	0.2
450	0.2	0.003	0.002	0.000	0.2
455	0.2	0.003	0.002	0.000	0.2
460	0.2	0.003	0.002	0.000	0.2
465	0.2	0.003	0.002	0.000	0.2
470	0.2	0.003	0.002	0.000	0.2
475	0.2	0.003	0.002	0.000	0.2
480	0.2	0.003	0.002	0.000	0.2
485	0.2	0.003	0.002	0.000	0.2
490	0.2	0.003	0.002	0.000	0.2
495	0.2	0.003	0.002	0.000	0.2
500	0.2	0.003	0.002	0.000	0.2
505	0.2	0.003	0.002	0.000	0.2
510	0.2	0.003	0.002	0.000	0.2
515	0.2	0.003	0.002	0.000	0.2
520	0.2	0.003	0.002	0.000	0.2
525	0.3	0.003	0.002	0.000	0.3
530	0.3	0.003	0.002	0.000	0.3

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
535	0.3	0.003	0.002	0.000	0.3
540	0.3	0.003	0.002	0.000	0.3
545	0.3	0.003	0.002	0.000	0.3
550	0.3	0.003	0.003	0.000	0.3
555	0.3	0.003	0.003	0.000	0.3
560	0.3	0.003	0.003	0.000	0.3
565	0.4	0.004	0.003	0.000	0.4
570	0.4	0.004	0.003	0.000	0.4
575	0.4	0.004	0.003	0.000	0.4
580	0.4	0.004	0.003	0.000	0.4
585	0.4	0.004	0.003	0.000	0.4
590	0.4	0.004	0.003	0.000	0.4
595	0.4	0.004	0.003	0.000	0.4
600	0.5	0.004	0.003	0.000	0.5
605	0.5	0.004	0.003	0.000	0.5
610	0.5	0.004	0.003	0.000	0.5
615	0.5	0.004	0.003	0.000	0.5
620	0.5	0.004	0.003	0.000	0.5
625	0.5	0.005	0.004	0.000	0.5
630	0.5	0.005	0.004	0.000	0.5
635	0.6	0.005	0.004	0.000	0.6
640	0.6	0.005	0.004	0.000	0.6
645	0.6	0.005	0.004	0.000	0.6
650	0.6	0.005	0.004	0.000	0.6
655	0.7	0.005	0.004	0.000	0.7
660	0.7	0.005	0.004	0.000	0.7
665	0.7	0.005	0.004	0.000	0.7
670	0.7	0.005	0.004	0.000	0.7
675	0.7	0.005	0.004	0.000	0.7
680	0.8	0.005	0.004	0.000	0.8
685	0.8	0.005	0.004	0.000	0.8
690	0.8	0.005	0.004	0.000	0.8
695	0.9	0.006	0.004	0.000	0.9
700	0.9	0.006	0.004	0.000	0.9
705	0.9	0.006	0.004	0.000	0.9
710	0.9	0.006	0.005	0.000	0.9
715	1.0	0.006	0.005	0.000	1.0
720	1.0	0.006	0.005	0.000	1.0
725	1.0	0.006	0.005	0.000	1.0
730	1.0	0.006	0.005	0.000	1.0
735	1.0	0.006	0.005	0.000	1.0
740	0.9	0.006	0.004	0.000	0.9
745	0.9	0.006	0.004	0.000	0.9
750	0.9	0.006	0.004	0.000	0.9
755	0.8	0.005	0.004	0.000	0.8
760	0.8	0.005	0.004	0.000	0.8
765	0.8	0.005	0.004	0.000	0.8
770	0.7	0.005	0.004	0.000	0.7
775	0.7	0.005	0.004	0.000	0.7
780	0.7	0.005	0.004	0.000	0.7
785	0.7	0.005	0.004	0.000	0.7
790	0.7	0.005	0.004	0.000	0.7
795	0.6	0.005	0.004	0.000	0.6
800	0.6	0.005	0.004	0.000	0.6
805	0.6	0.005	0.004	0.000	0.6

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
810	0.6	0.005	0.004	0.000	0.6
815	0.6	0.005	0.004	0.000	0.6
820	0.5	0.005	0.004	0.000	0.5
825	0.5	0.004	0.003	0.000	0.5
830	0.5	0.004	0.003	0.000	0.5
835	0.5	0.004	0.003	0.000	0.5
840	0.5	0.004	0.003	0.000	0.5
845	0.5	0.004	0.003	0.000	0.5
850	0.5	0.004	0.003	0.000	0.5
855	0.4	0.004	0.003	0.000	0.4
860	0.4	0.004	0.003	0.000	0.4
865	0.4	0.004	0.003	0.000	0.4
870	0.4	0.004	0.003	0.000	0.4
875	0.4	0.004	0.003	0.000	0.4
880	0.4	0.004	0.003	0.000	0.4
885	0.3	0.003	0.003	0.000	0.3
890	0.3	0.003	0.003	0.000	0.3
895	0.3	0.003	0.003	0.000	0.3
900	0.3	0.003	0.002	0.000	0.3
905	0.3	0.003	0.002	0.000	0.3
910	0.3	0.008	0.006	0.000	0.3
915	0.3	0.013	0.010	0.000	0.3
920	0.3	0.017	0.014	0.000	0.3
925	0.3	0.022	0.017	0.000	0.2
930	0.2	0.026	0.020	0.000	0.2
935	0.2	0.029	0.023	0.000	0.2
940	0.2	0.033	0.026	0.000	0.2
945	0.2	0.036	0.028	0.000	0.2
950	0.2	0.039	0.031	0.000	0.2
955	0.2	0.042	0.033	0.000	0.2
960	0.2	0.044	0.035	0.000	0.2
965	0.2	0.047	0.037	0.000	0.2
970	0.2	0.049	0.038	0.000	0.2
975	0.2	0.051	0.040	0.000	0.2
980	0.2	0.053	0.041	0.000	0.1
985	0.2	0.054	0.042	0.000	0.2
990	0.2	0.056	0.044	0.000	0.2
995	0.2	0.056	0.044	0.000	0.1
1000	0.2	0.058	0.045	0.000	0.2
1005	0.2	0.058	0.046	0.000	0.1
1010	0.2	0.059	0.047	0.000	0.2
1015	0.2	0.060	0.047	0.000	0.2
1020	0.2	0.061	0.048	0.000	0.2
1025	0.2	0.061	0.048	0.000	0.1
1030	0.2	0.062	0.048	0.000	0.2
1035	0.2	0.062	0.049	0.000	0.1
1040	0.2	0.062	0.049	0.000	0.2
1045	0.2	0.062	0.049	0.000	0.1
1050	0.2	0.062	0.049	0.000	0.1
1055	0.1	0.062	0.049	0.000	0.1
1060	0.1	0.062	0.049	0.000	0.1
1065	0.1	0.062	0.049	0.000	0.1
1070	0.1	0.062	0.049	0.000	0.1
1075	0.1	0.062	0.049	0.000	0.1
1080	0.1	0.062	0.048	0.000	0.1

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1085	0.1	0.061	0.048	0.000	0.1
1090	0.1	0.061	0.048	0.000	0.1
1095	0.1	0.060	0.047	0.000	0.1
1100	0.1	0.060	0.047	0.000	0.1
1105	0.1	0.059	0.046	0.000	0.1
1110	0.1	0.059	0.046	0.000	0.1
1115	0.1	0.058	0.046	0.000	0.1
1120	0.1	0.057	0.045	0.000	0.1
1125	0.1	0.057	0.044	0.000	0.0
1130	0.1	0.056	0.044	0.000	0.1
1135	0.1	0.055	0.043	0.000	0.1
1140	0.1	0.054	0.042	0.000	0.1
1145	0.1	0.053	0.042	0.000	0.1
1150	0.1	0.052	0.041	0.000	0.0
1155	0.1	0.051	0.040	0.000	0.1
1160	0.1	0.050	0.040	0.000	0.1
1165	0.1	0.049	0.039	0.000	0.1
1170	0.1	0.048	0.038	0.000	0.1
1175	0.1	0.047	0.037	0.000	0.1
1180	0.1	0.046	0.036	0.000	0.1
1185	0.1	0.045	0.035	0.000	0.1
1190	0.1	0.044	0.034	0.000	0.1
1195	0.1	0.043	0.033	0.000	0.1
1200	0.1	0.041	0.032	0.000	0.1
1205	0.1	0.040	0.031	0.000	0.1
1210	0.1	0.039	0.030	0.000	0.1
1215	0.1	0.037	0.029	0.000	0.1
1220	0.1	0.036	0.028	0.000	0.1
1225	0.1	0.035	0.027	0.000	0.1
1230	0.1	0.033	0.026	0.000	0.1
1235	0.1	0.032	0.025	0.000	0.1
1240	0.1	0.030	0.024	0.000	0.1
1245	0.1	0.029	0.023	0.000	0.1
1250	0.1	0.027	0.021	0.000	0.1
1255	0.1	0.026	0.020	0.000	0.1
1260	0.1	0.024	0.019	0.000	0.1
1265	0.1	0.023	0.018	0.000	0.1
1270	0.1	0.021	0.017	0.000	0.1
1275	0.1	0.020	0.015	0.000	0.1
1280	0.1	0.018	0.014	0.000	0.1
1285	0.1	0.016	0.013	0.000	0.1
1290	0.1	0.015	0.012	0.000	0.1
1295	0.1	0.013	0.010	0.000	0.1
1300	0.1	0.012	0.009	0.000	0.1
1305	0.1	0.010	0.008	0.000	0.1
1310	0.1	0.008	0.007	0.000	0.1
1315	0.1	0.007	0.005	0.000	0.1
1320	0.1	0.005	0.004	0.000	0.1
1325	0.1	0.003	0.003	0.000	0.1
1330	0.1	0.002	0.002	0.000	0.1
1335	0.1	0.002	0.002	0.000	0.1
1340	0.1	0.002	0.002	0.000	0.1
1345	0.1	0.002	0.002	0.000	0.1
1350	0.1	0.002	0.002	0.000	0.1
1355	0.1	0.002	0.002	0.000	0.1

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1360	0.1	0.002	0.002	0.000	0.1
1365	0.1	0.002	0.002	0.000	0.1
1370	0.1	0.002	0.002	0.000	0.1
1375	0.1	0.002	0.002	0.000	0.1
1380	0.1	0.002	0.002	0.000	0.1
1385	0.1	0.002	0.002	0.000	0.1
1390	0.1	0.002	0.002	0.000	0.1
1395	0.1	0.002	0.002	0.000	0.1
1400	0.1	0.002	0.002	0.000	0.1
1405	0.1	0.002	0.002	0.000	0.1
1410	0.1	0.002	0.002	0.000	0.1
1415	0.1	0.002	0.002	0.000	0.1
1420	0.1	0.002	0.002	0.000	0.1
1425	0.1	0.002	0.002	0.000	0.1
1430	0.1	0.002	0.002	0.000	0.1
1435	0.1	0.002	0.002	0.000	0.1
1440	0.1	0.002	0.002	0.000	0.1
1445	0.0	0.001	0.001	0.000	0.0
1450	0.0	0.000	0.000	0.000	0.0
1455	0.0	0.000	0.000	0.000	0.0
1460	0.0	0.000	0.000	0.000	0.0
1465	0.0	0.000	0.000	0.000	0.0
1470	0.0	0.000	0.000	0.000	0.0
1475	0.0	0.000	0.000	0.000	0.0
1480	0.0	0.000	0.000	0.000	0.0
1485	0.0	0.000	0.000	0.000	0.0
1490	0.0	0.000	0.000	0.000	0.0
1495	0.0	0.000	0.000	0.000	0.0
1500	0.0	0.000	0.000	0.000	0.0
1505	0.0	0.000	0.000	0.000	0.0
1510	0.0	0.000	0.000	0.000	0.0
1515	0.0	0.000	0.000	0.000	0.0
1520	0.0	0.000	0.000	0.000	0.0
1525	0.0	0.000	0.000	0.000	0.0
1530	0.0	0.000	0.000	0.000	0.0
1535	0.0	0.000	0.000	0.000	0.0
1540	0.0	0.000	0.000	0.000	0.0
1545	0.0	0.000	0.000	0.000	0.0
1550	0.0	0.000	0.000	0.000	0.0
1555	0.0	0.000	0.000	0.000	0.0
1560	0.0	0.000	0.000	0.000	0.0
1565	0.0	0.000	0.000	0.000	0.0
1570	0.0	0.000	0.000	0.000	0.0
1575	0.0	0.000	0.000	0.000	0.0
1580	0.0	0.000	0.000	0.000	0.0
1585	0.0	0.000	0.000	0.000	0.0
1590	0.0	0.000	0.000	0.000	0.0
1595	0.0	0.000	0.000	0.000	0.0
1600	0.0	0.000	0.000	0.000	0.0
1605	0.0	0.000	0.000	0.000	0.0
1610	0.0	0.000	0.000	0.000	0.0
1615	0.0	0.000	0.000	0.000	0.0
1620	0.0	0.000	0.000	0.000	0.0
1625	0.0	0.000	0.000	0.000	0.0
1630	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1635	0.0	0.000	0.000	0.000	0.0
1640	0.0	0.000	0.000	0.000	0.0
1645	0.0	0.000	0.000	0.000	0.0
1650	0.0	0.000	0.000	0.000	0.0
1655	0.0	0.000	0.000	0.000	0.0
1660	0.0	0.000	0.000	0.000	0.0
1665	0.0	0.000	0.000	0.000	0.0
1670	0.0	0.000	0.000	0.000	0.0
1675	0.0	0.000	0.000	0.000	0.0
1680	0.0	0.000	0.000	0.000	0.0
1685	0.0	0.000	0.000	0.000	0.0
1690	0.0	0.000	0.000	0.000	0.0
1695	0.0	0.000	0.000	0.000	0.0
1700	0.0	0.000	0.000	0.000	0.0
1705	0.0	0.000	0.000	0.000	0.0
1710	0.0	0.000	0.000	0.000	0.0
1715	0.0	0.000	0.000	0.000	0.0
1720	0.0	0.000	0.000	0.000	0.0
1725	0.0	0.000	0.000	0.000	0.0
1730	0.0	0.000	0.000	0.000	0.0
1735	0.0	0.000	0.000	0.000	0.0
1740	0.0	0.000	0.000	0.000	0.0
1745	0.0	0.000	0.000	0.000	0.0
1750	0.0	0.000	0.000	0.000	0.0
1755	0.0	0.000	0.000	0.000	0.0
1760	0.0	0.000	0.000	0.000	0.0
1765	0.0	0.000	0.000	0.000	0.0
1770	0.0	0.000	0.000	0.000	0.0
1775	0.0	0.000	0.000	0.000	0.0
1780	0.0	0.000	0.000	0.000	0.0
1785	0.0	0.000	0.000	0.000	0.0
1790	0.0	0.000	0.000	0.000	0.0
1795	0.0	0.000	0.000	0.000	0.0
1800	0.0	0.000	0.000	0.000	0.0
1805	0.0	0.000	0.000	0.000	0.0
1810	0.0	0.000	0.000	0.000	0.0
1815	0.0	0.000	0.000	0.000	0.0
1820	0.0	0.000	0.000	0.000	0.0
1825	0.0	0.000	0.000	0.000	0.0
1830	0.0	0.000	0.000	0.000	0.0
1835	0.0	0.000	0.000	0.000	0.0
1840	0.0	0.000	0.000	0.000	0.0
1845	0.0	0.000	0.000	0.000	0.0
1850	0.0	0.000	0.000	0.000	0.0
1855	0.0	0.000	0.000	0.000	0.0
1860	0.0	0.000	0.000	0.000	0.0
1865	0.0	0.000	0.000	0.000	0.0
1870	0.0	0.000	0.000	0.000	0.0
1875	0.0	0.000	0.000	0.000	0.0
1880	0.0	0.000	0.000	0.000	0.0
1885	0.0	0.000	0.000	0.000	0.0
1890	0.0	0.000	0.000	0.000	0.0
1895	0.0	0.000	0.000	0.000	0.0
1900	0.0	0.000	0.000	0.000	0.0
1905	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1910	0.0	0.000	0.000	0.000	0.0
1915	0.0	0.000	0.000	0.000	0.0
1920	0.0	0.000	0.000	0.000	0.0
1925	0.0	0.000	0.000	0.000	0.0
1930	0.0	0.000	0.000	0.000	0.0
1935	0.0	0.000	0.000	0.000	0.0
1940	0.0	0.000	0.000	0.000	0.0
1945	0.0	0.000	0.000	0.000	0.0
1950	0.0	0.000	0.000	0.000	0.0
1955	0.0	0.000	0.000	0.000	0.0
1960	0.0	0.000	0.000	0.000	0.0
1965	0.0	0.000	0.000	0.000	0.0
1970	0.0	0.000	0.000	0.000	0.0
1975	0.0	0.000	0.000	0.000	0.0
1980	0.0	0.000	0.000	0.000	0.0
1985	0.0	0.000	0.000	0.000	0.0
1990	0.0	0.000	0.000	0.000	0.0
1995	0.0	0.000	0.000	0.000	0.0
2000	0.0	0.000	0.000	0.000	0.0
2005	0.0	0.000	0.000	0.000	0.0
2010	0.0	0.000	0.000	0.000	0.0
2015	0.0	0.000	0.000	0.000	0.0
2020	0.0	0.000	0.000	0.000	0.0
2025	0.0	0.000	0.000	0.000	0.0
2030	0.0	0.000	0.000	0.000	0.0
2035	0.0	0.000	0.000	0.000	0.0
2040	0.0	0.000	0.000	0.000	0.0
2045	0.0	0.000	0.000	0.000	0.0
2050	0.0	0.000	0.000	0.000	0.0
2055	0.0	0.000	0.000	0.000	0.0
2060	0.0	0.000	0.000	0.000	0.0
2065	0.0	0.000	0.000	0.000	0.0
2070	0.0	0.000	0.000	0.000	0.0
2075	0.0	0.000	0.000	0.000	0.0
2080	0.0	0.000	0.000	0.000	0.0
2085	0.0	0.000	0.000	0.000	0.0
2090	0.0	0.000	0.000	0.000	0.0
2095	0.0	0.000	0.000	0.000	0.0
2100	0.0	0.000	0.000	0.000	0.0
2105	0.0	0.000	0.000	0.000	0.0
2110	0.0	0.000	0.000	0.000	0.0
2115	0.0	0.000	0.000	0.000	0.0
2120	0.0	0.000	0.000	0.000	0.0
2125	0.0	0.000	0.000	0.000	0.0
2130	0.0	0.000	0.000	0.000	0.0
2135	0.0	0.000	0.000	0.000	0.0
2140	0.0	0.000	0.000	0.000	0.0
2145	0.0	0.000	0.000	0.000	0.0
2150	0.0	0.000	0.000	0.000	0.0
2155	0.0	0.000	0.000	0.000	0.0
2160	0.0	0.000	0.000	0.000	0.0
2165	0.0	0.000	0.000	0.000	0.0
2170	0.0	0.000	0.000	0.000	0.0
2175	0.0	0.000	0.000	0.000	0.0
2180	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2185	0.0	0.000	0.000	0.000	0.0
2190	0.0	0.000	0.000	0.000	0.0
2195	0.0	0.000	0.000	0.000	0.0
2200	0.0	0.000	0.000	0.000	0.0
2205	0.0	0.000	0.000	0.000	0.0
2210	0.0	0.000	0.000	0.000	0.0
2215	0.0	0.000	0.000	0.000	0.0
2220	0.0	0.000	0.000	0.000	0.0
2225	0.0	0.000	0.000	0.000	0.0
2230	0.0	0.000	0.000	0.000	0.0
2235	0.0	0.000	0.000	0.000	0.0
2240	0.0	0.000	0.000	0.000	0.0
2245	0.0	0.000	0.000	0.000	0.0
2250	0.0	0.000	0.000	0.000	0.0
2255	0.0	0.000	0.000	0.000	0.0
2260	0.0	0.000	0.000	0.000	0.0
2265	0.0	0.000	0.000	0.000	0.0
2270	0.0	0.000	0.000	0.000	0.0
2275	0.0	0.000	0.000	0.000	0.0
2280	0.0	0.000	0.000	0.000	0.0
2285	0.0	0.000	0.000	0.000	0.0
2290	0.0	0.000	0.000	0.000	0.0
2295	0.0	0.000	0.000	0.000	0.0
2300	0.0	0.000	0.000	0.000	0.0
2305	0.0	0.000	0.000	0.000	0.0
2310	0.0	0.000	0.000	0.000	0.0
2315	0.0	0.000	0.000	0.000	0.0
2320	0.0	0.000	0.000	0.000	0.0
2325	0.0	0.000	0.000	0.000	0.0
2330	0.0	0.000	0.000	0.000	0.0
2335	0.0	0.000	0.000	0.000	0.0
2340	0.0	0.000	0.000	0.000	0.0
2345	0.0	0.000	0.000	0.000	0.0
2350	0.0	0.000	0.000	0.000	0.0
2355	0.0	0.000	0.000	0.000	0.0
2360	0.0	0.000	0.000	0.000	0.0
2365	0.0	0.000	0.000	0.000	0.0
2370	0.0	0.000	0.000	0.000	0.0
2375	0.0	0.000	0.000	0.000	0.0
2380	0.0	0.000	0.000	0.000	0.0
2385	0.0	0.000	0.000	0.000	0.0
2390	0.0	0.000	0.000	0.000	0.0
2395	0.0	0.000	0.000	0.000	0.0
2400	0.0	0.000	0.000	0.000	0.0
2405	0.0	0.000	0.000	0.000	0.0
2410	0.0	0.000	0.000	0.000	0.0
2415	0.0	0.000	0.000	0.000	0.0
2420	0.0	0.000	0.000	0.000	0.0
2425	0.0	0.000	0.000	0.000	0.0
2430	0.0	0.000	0.000	0.000	0.0
2435	0.0	0.000	0.000	0.000	0.0
2440	0.0	0.000	0.000	0.000	0.0
2445	0.0	0.000	0.000	0.000	0.0
2450	0.0	0.000	0.000	0.000	0.0
2455	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2460	0.0	0.000	0.000	0.000	0.0
2465	0.0	0.000	0.000	0.000	0.0
2470	0.0	0.000	0.000	0.000	0.0
2475	0.0	0.000	0.000	0.000	0.0
2480	0.0	0.000	0.000	0.000	0.0
2485	0.0	0.000	0.000	0.000	0.0
2490	0.0	0.000	0.000	0.000	0.0
2495	0.0	0.000	0.000	0.000	0.0
2500	0.0	0.000	0.000	0.000	0.0
2505	0.0	0.000	0.000	0.000	0.0
2510	0.0	0.000	0.000	0.000	0.0
2515	0.0	0.000	0.000	0.000	0.0
2520	0.0	0.000	0.000	0.000	0.0
2525	0.0	0.000	0.000	0.000	0.0
2530	0.0	0.000	0.000	0.000	0.0
2535	0.0	0.000	0.000	0.000	0.0
2540	0.0	0.000	0.000	0.000	0.0
2545	0.0	0.000	0.000	0.000	0.0
2550	0.0	0.000	0.000	0.000	0.0
2555	0.0	0.000	0.000	0.000	0.0
2560	0.0	0.000	0.000	0.000	0.0
2565	0.0	0.000	0.000	0.000	0.0
2570	0.0	0.000	0.000	0.000	0.0
2575	0.0	0.000	0.000	0.000	0.0
2580	0.0	0.000	0.000	0.000	0.0
2585	0.0	0.000	0.000	0.000	0.0
2590	0.0	0.000	0.000	0.000	0.0
2595	0.0	0.000	0.000	0.000	0.0
2600	0.0	0.000	0.000	0.000	0.0
2605	0.0	0.000	0.000	0.000	0.0
2610	0.0	0.000	0.000	0.000	0.0
2615	0.0	0.000	0.000	0.000	0.0
2620	0.0	0.000	0.000	0.000	0.0
2625	0.0	0.000	0.000	0.000	0.0
2630	0.0	0.000	0.000	0.000	0.0
2635	0.0	0.000	0.000	0.000	0.0
2640	0.0	0.000	0.000	0.000	0.0
2645	0.0	0.000	0.000	0.000	0.0
2650	0.0	0.000	0.000	0.000	0.0
2655	0.0	0.000	0.000	0.000	0.0
2660	0.0	0.000	0.000	0.000	0.0
2665	0.0	0.000	0.000	0.000	0.0
2670	0.0	0.000	0.000	0.000	0.0
2675	0.0	0.000	0.000	0.000	0.0
2680	0.0	0.000	0.000	0.000	0.0
2685	0.0	0.000	0.000	0.000	0.0
2690	0.0	0.000	0.000	0.000	0.0
2695	0.0	0.000	0.000	0.000	0.0
2700	0.0	0.000	0.000	0.000	0.0
2705	0.0	0.000	0.000	0.000	0.0
2710	0.0	0.000	0.000	0.000	0.0
2715	0.0	0.000	0.000	0.000	0.0
2720	0.0	0.000	0.000	0.000	0.0
2725	0.0	0.000	0.000	0.000	0.0
2730	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

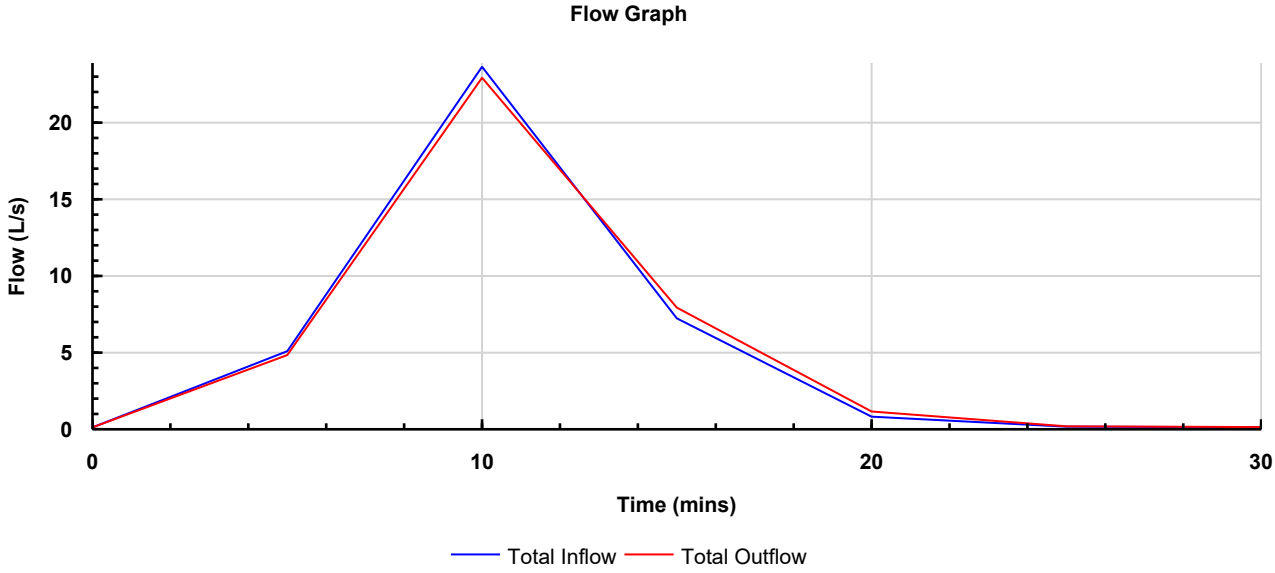
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2735	0.0	0.000	0.000	0.000	0.0
2740	0.0	0.000	0.000	0.000	0.0
2745	0.0	0.000	0.000	0.000	0.0
2750	0.0	0.000	0.000	0.000	0.0
2755	0.0	0.000	0.000	0.000	0.0
2760	0.0	0.000	0.000	0.000	0.0
2765	0.0	0.000	0.000	0.000	0.0
2770	0.0	0.000	0.000	0.000	0.0
2775	0.0	0.000	0.000	0.000	0.0
2780	0.0	0.000	0.000	0.000	0.0
2785	0.0	0.000	0.000	0.000	0.0
2790	0.0	0.000	0.000	0.000	0.0
2795	0.0	0.000	0.000	0.000	0.0
2800	0.0	0.000	0.000	0.000	0.0
2805	0.0	0.000	0.000	0.000	0.0
2810	0.0	0.000	0.000	0.000	0.0
2815	0.0	0.000	0.000	0.000	0.0
2820	0.0	0.000	0.000	0.000	0.0
2825	0.0	0.000	0.000	0.000	0.0
2830	0.0	0.000	0.000	0.000	0.0
2835	0.0	0.000	0.000	0.000	0.0
2840	0.0	0.000	0.000	0.000	0.0
2845	0.0	0.000	0.000	0.000	0.0
2850	0.0	0.000	0.000	0.000	0.0
2855	0.0	0.000	0.000	0.000	0.0
2860	0.0	0.000	0.000	0.000	0.0
2865	0.0	0.000	0.000	0.000	0.0
2870	0.0	0.000	0.000	0.000	0.0
2875	0.0	0.000	0.000	0.000	0.0
2880	0.0	0.000	0.000	0.000	0.0

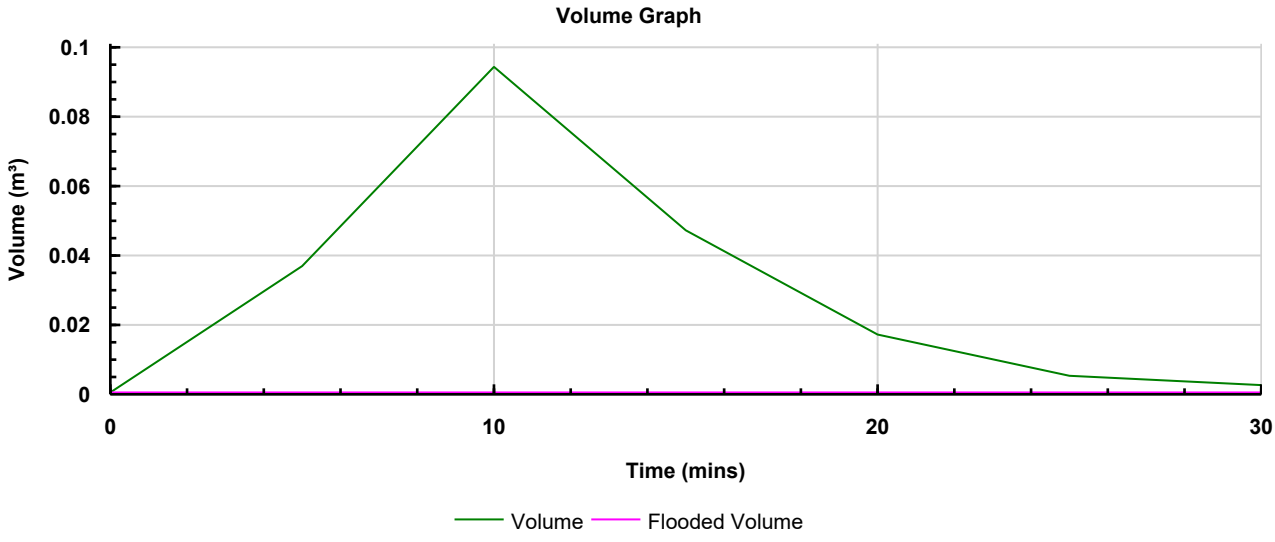
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH02 Type : Manhole

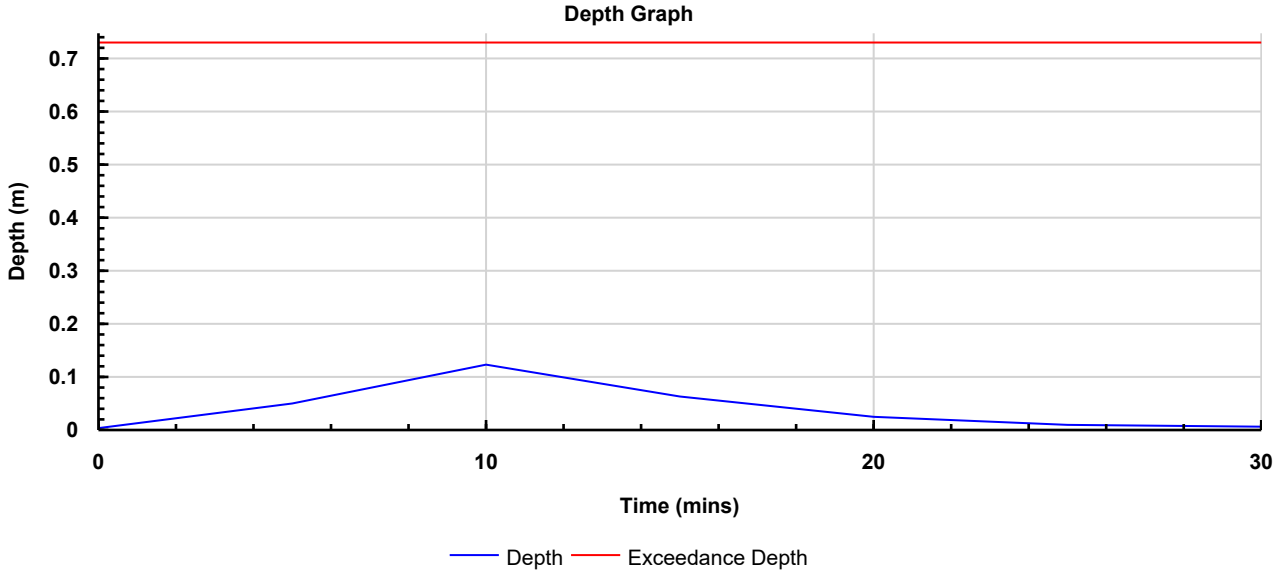
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

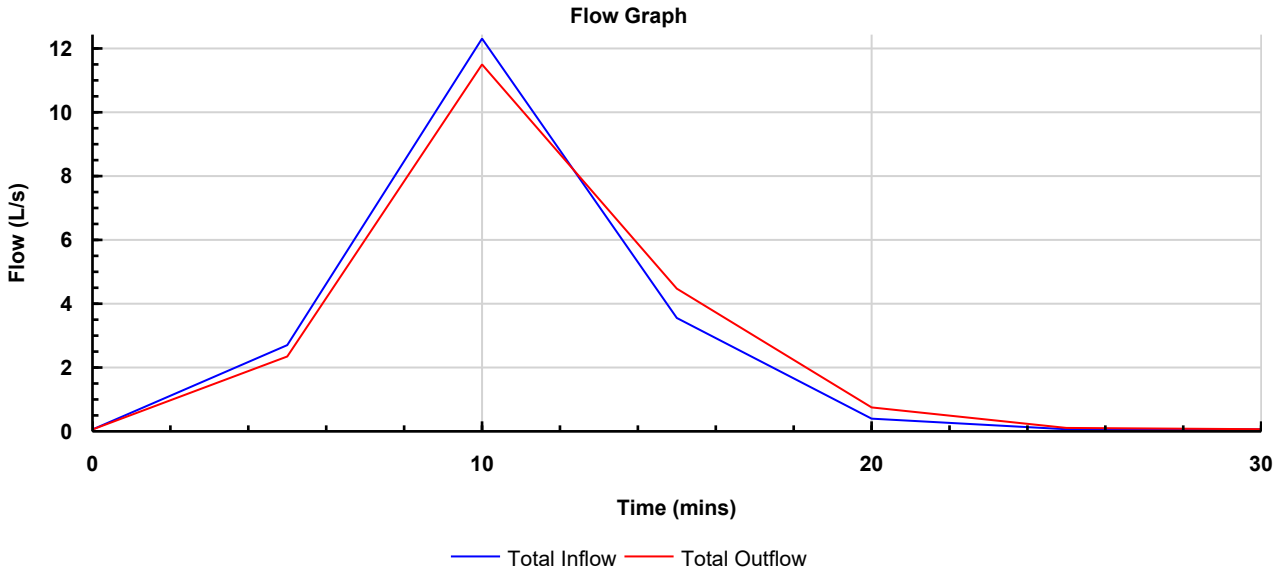
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	5.0	0.047	0.037	0.000	4.7
10	23.6	0.120	0.094	0.000	22.9
15	7.1	0.060	0.047	0.000	7.9
20	0.7	0.021	0.017	0.000	1.0
25	0.0	0.006	0.005	0.000	0.1
30	0.0	0.003	0.002	0.000	0.0

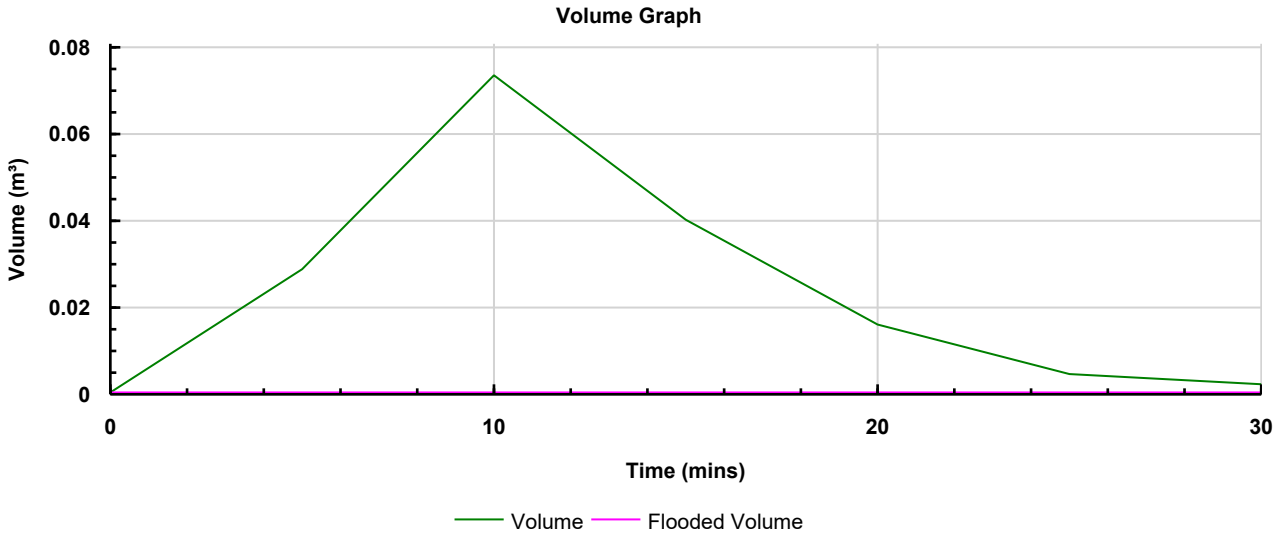
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH01 Type : Manhole

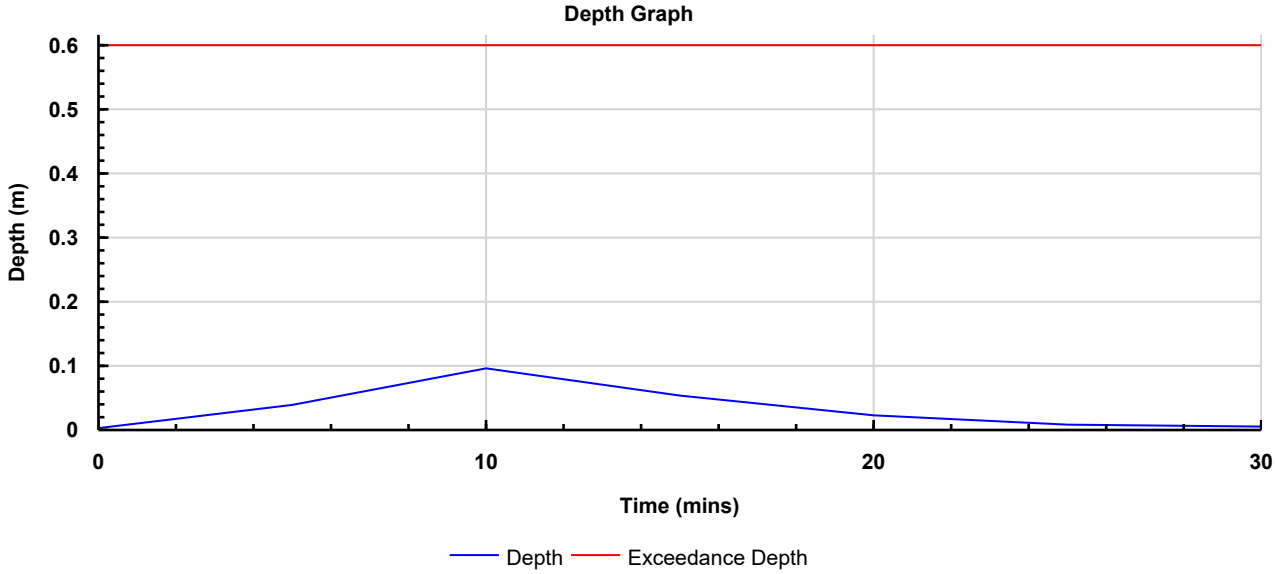
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

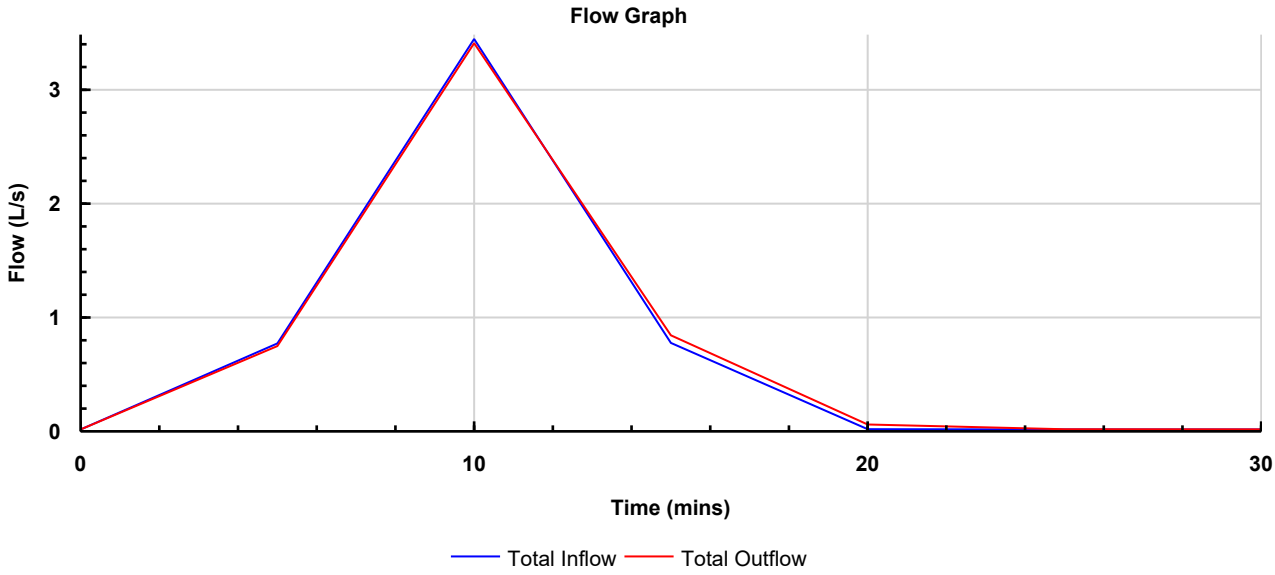
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	2.7	0.036	0.029	0.000	2.3
10	12.3	0.094	0.074	0.000	11.5
15	3.5	0.051	0.040	0.000	4.4
20	0.3	0.020	0.016	0.000	0.7
25	0.0	0.005	0.004	0.000	0.0
30	0.0	0.002	0.002	0.000	0.0

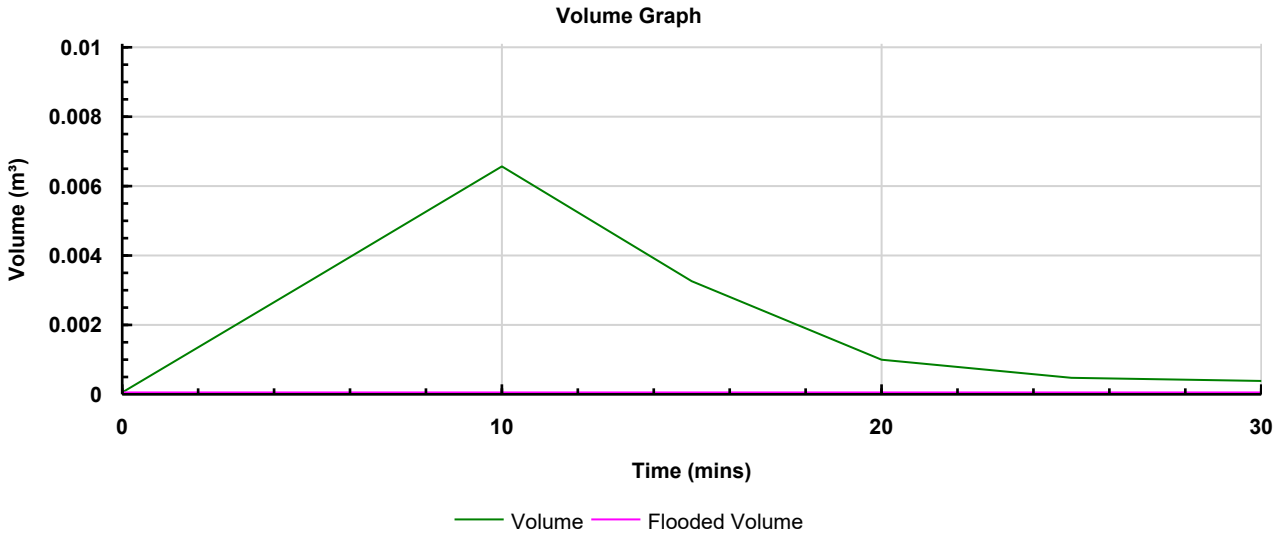
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SWIC01 Type : Manhole

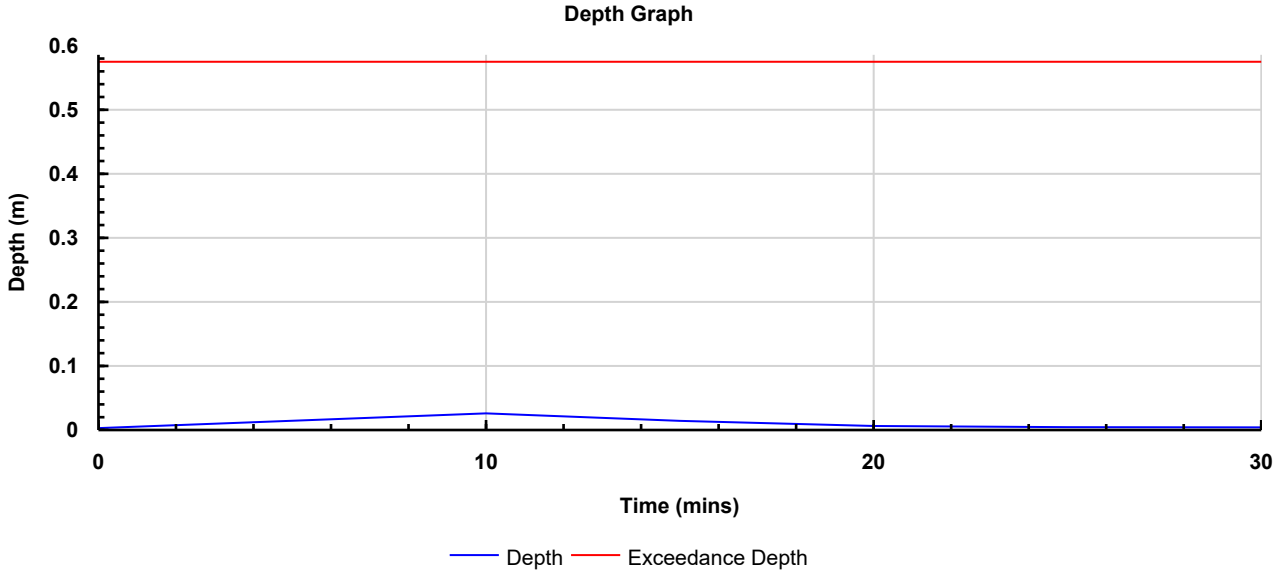
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

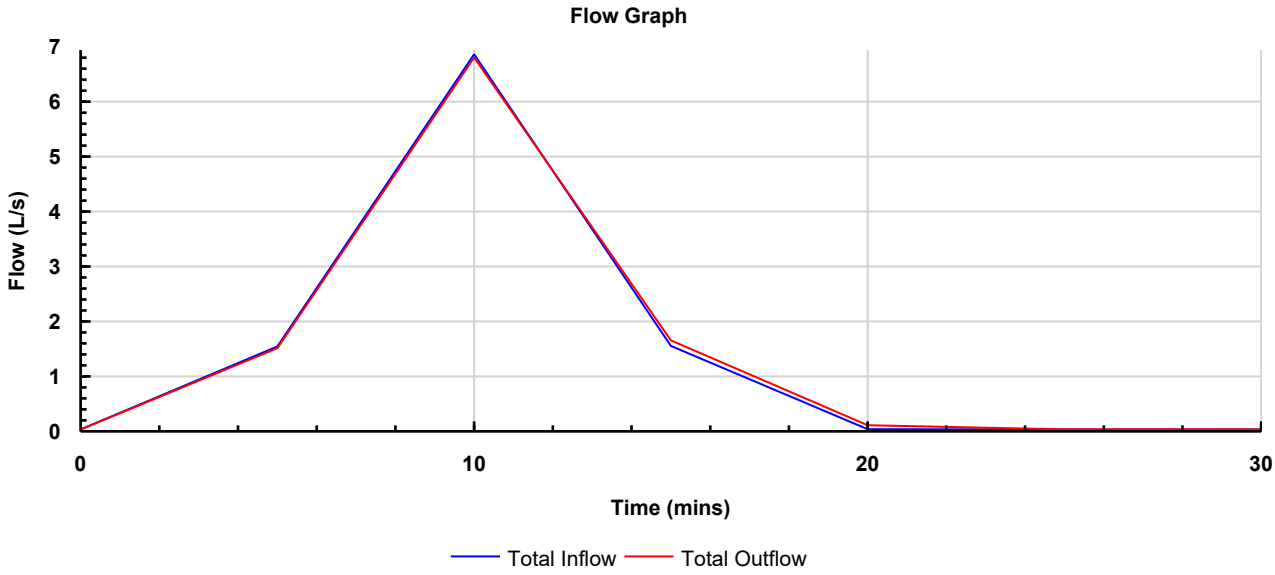
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.8	0.012	0.003	0.000	0.7
10	3.4	0.023	0.007	0.000	3.4
15	0.8	0.011	0.003	0.000	0.8
20	0.0	0.003	0.001	0.000	0.0
25	0.0	0.001	0.000	0.000	0.0
30	0.0	0.001	0.000	0.000	0.0

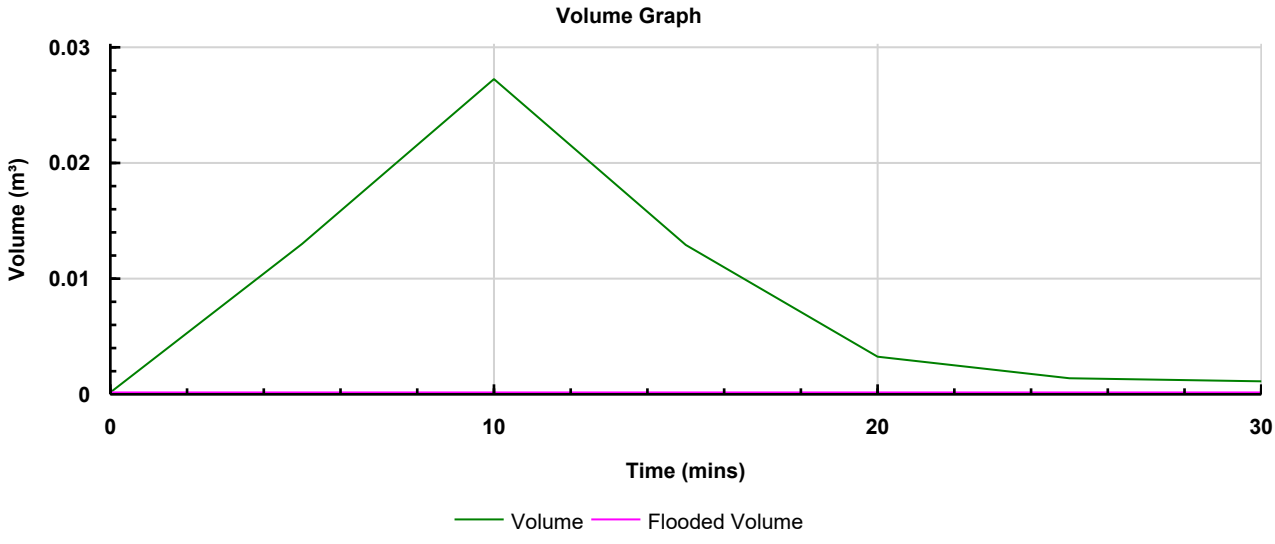
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH11 Type : Manhole

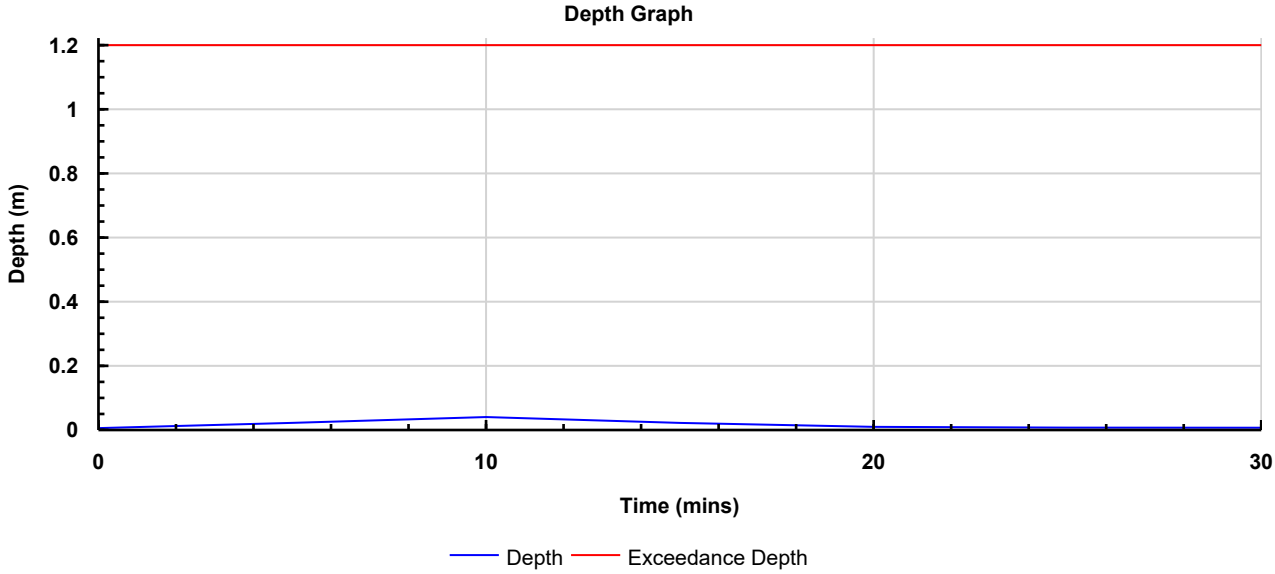
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

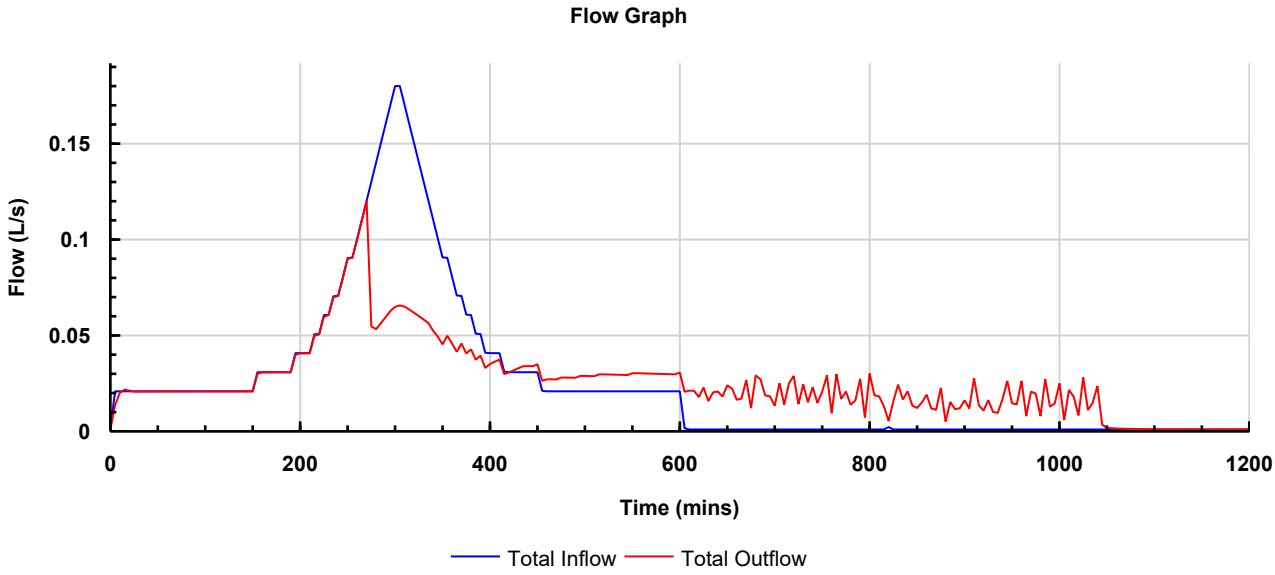
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	1.5	0.016	0.013	0.000	1.5
10	6.9	0.035	0.027	0.000	6.8
15	1.5	0.016	0.013	0.000	1.6
20	0.0	0.004	0.003	0.000	0.1
25	0.0	0.002	0.001	0.000	0.0
30	0.0	0.001	0.001	0.000	0.0

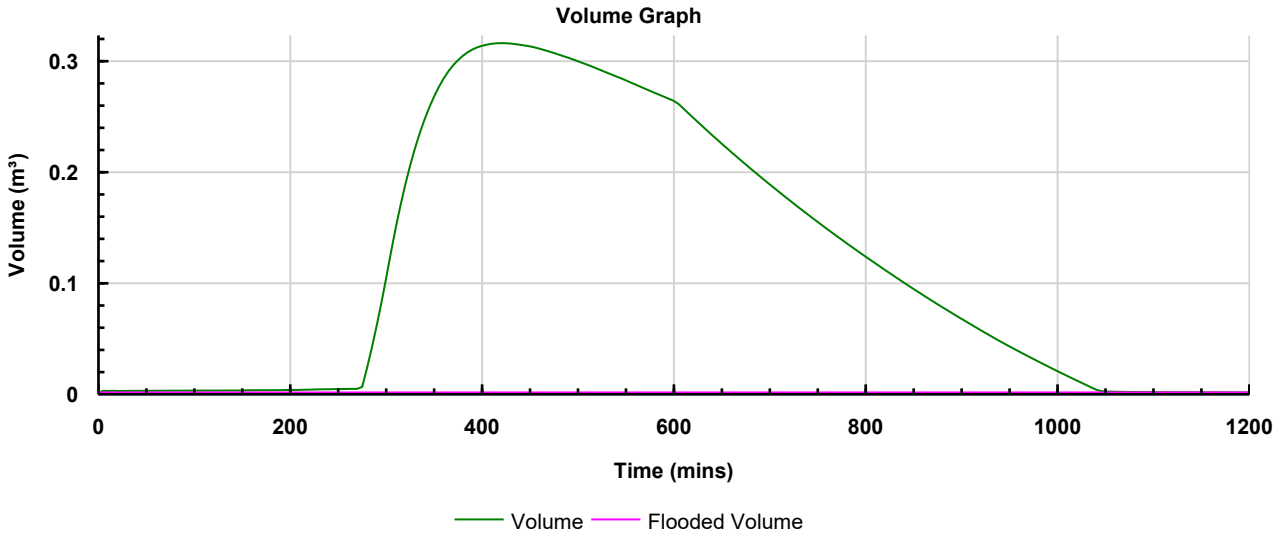
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH12 Type : Manhole

Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 600 mins: Summer

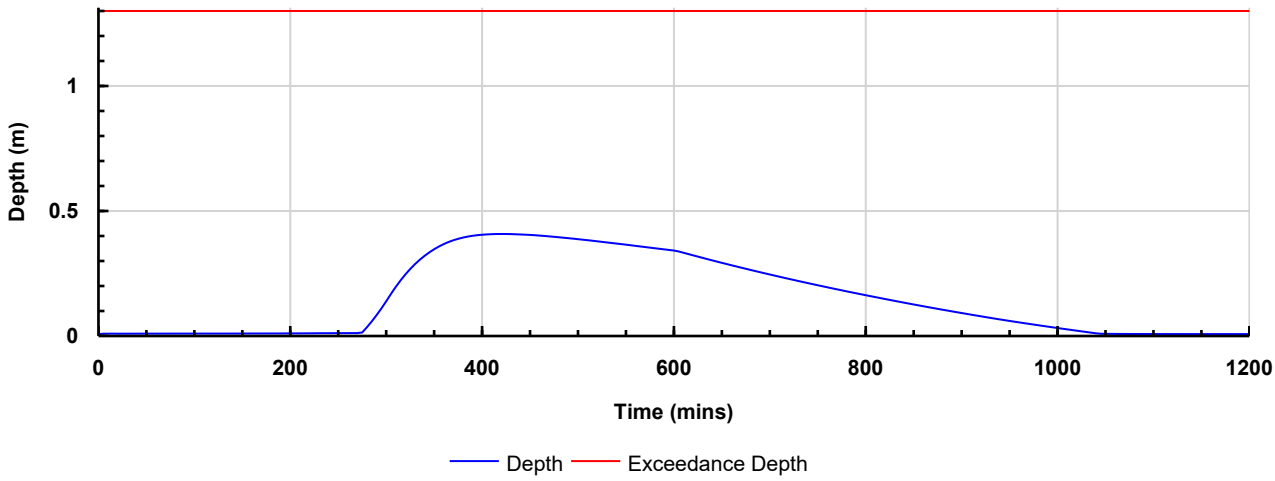
Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Depth Graph



Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.0	0.002	0.001	0.000	0.0
10	0.0	0.002	0.001	0.000	0.0
15	0.0	0.002	0.002	0.000	0.0
20	0.0	0.002	0.001	0.000	0.0
25	0.0	0.002	0.001	0.000	0.0
30	0.0	0.002	0.001	0.000	0.0
35	0.0	0.002	0.001	0.000	0.0
40	0.0	0.002	0.001	0.000	0.0
45	0.0	0.002	0.001	0.000	0.0
50	0.0	0.002	0.002	0.000	0.0
55	0.0	0.002	0.002	0.000	0.0
60	0.0	0.002	0.002	0.000	0.0
65	0.0	0.002	0.002	0.000	0.0
70	0.0	0.002	0.002	0.000	0.0
75	0.0	0.002	0.002	0.000	0.0
80	0.0	0.002	0.002	0.000	0.0
85	0.0	0.002	0.002	0.000	0.0
90	0.0	0.002	0.002	0.000	0.0
95	0.0	0.002	0.002	0.000	0.0
100	0.0	0.002	0.002	0.000	0.0
105	0.0	0.002	0.002	0.000	0.0
110	0.0	0.002	0.002	0.000	0.0
115	0.0	0.002	0.002	0.000	0.0
120	0.0	0.002	0.002	0.000	0.0
125	0.0	0.002	0.002	0.000	0.0
130	0.0	0.002	0.002	0.000	0.0
135	0.0	0.002	0.002	0.000	0.0
140	0.0	0.002	0.002	0.000	0.0
145	0.0	0.002	0.002	0.000	0.0
150	0.0	0.002	0.002	0.000	0.0
155	0.0	0.002	0.002	0.000	0.0
160	0.0	0.003	0.002	0.000	0.0
165	0.0	0.003	0.002	0.000	0.0
170	0.0	0.003	0.002	0.000	0.0
175	0.0	0.003	0.002	0.000	0.0
180	0.0	0.003	0.002	0.000	0.0
185	0.0	0.003	0.002	0.000	0.0
190	0.0	0.003	0.002	0.000	0.0
195	0.0	0.003	0.002	0.000	0.0
200	0.0	0.003	0.002	0.000	0.0
205	0.0	0.003	0.002	0.000	0.0
210	0.0	0.003	0.002	0.000	0.0
215	0.0	0.003	0.002	0.000	0.0
220	0.0	0.003	0.003	0.000	0.0
225	0.1	0.003	0.003	0.000	0.1
230	0.1	0.004	0.003	0.000	0.1
235	0.1	0.004	0.003	0.000	0.1
240	0.1	0.004	0.003	0.000	0.1
245	0.1	0.004	0.003	0.000	0.1
250	0.1	0.004	0.003	0.000	0.1
255	0.1	0.004	0.003	0.000	0.1

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
260	0.1	0.004	0.003	0.000	0.1
265	0.1	0.004	0.003	0.000	0.1
270	0.1	0.004	0.003	0.000	0.1
275	0.1	0.007	0.005	0.000	0.1
280	0.1	0.028	0.022	0.000	0.1
285	0.1	0.051	0.040	0.000	0.1
290	0.2	0.076	0.060	0.000	0.1
295	0.2	0.103	0.081	0.000	0.1
300	0.2	0.132	0.104	0.000	0.1
305	0.2	0.162	0.127	0.000	0.1
310	0.2	0.190	0.149	0.000	0.1
315	0.2	0.216	0.170	0.000	0.1
320	0.2	0.240	0.188	0.000	0.1
325	0.1	0.262	0.206	0.000	0.1
330	0.1	0.281	0.221	0.000	0.1
335	0.1	0.299	0.235	0.000	0.1
340	0.1	0.315	0.247	0.000	0.1
345	0.1	0.329	0.258	0.000	0.0
350	0.1	0.341	0.268	0.000	0.0
355	0.1	0.352	0.277	0.000	0.0
360	0.1	0.362	0.284	0.000	0.0
365	0.1	0.371	0.291	0.000	0.0
370	0.1	0.378	0.296	0.000	0.0
375	0.1	0.383	0.301	0.000	0.0
380	0.1	0.388	0.305	0.000	0.0
385	0.1	0.392	0.308	0.000	0.0
390	0.0	0.396	0.311	0.000	0.0
395	0.0	0.398	0.312	0.000	0.0
400	0.0	0.400	0.314	0.000	0.0
405	0.0	0.401	0.315	0.000	0.0
410	0.0	0.402	0.316	0.000	0.0
415	0.0	0.403	0.316	0.000	0.0
420	0.0	0.403	0.316	0.000	0.0
425	0.0	0.403	0.316	0.000	0.0
430	0.0	0.402	0.316	0.000	0.0
435	0.0	0.402	0.315	0.000	0.0
440	0.0	0.401	0.315	0.000	0.0
445	0.0	0.400	0.314	0.000	0.0
450	0.0	0.399	0.313	0.000	0.0
455	0.0	0.398	0.312	0.000	0.0
460	0.0	0.396	0.311	0.000	0.0
465	0.0	0.395	0.310	0.000	0.0
470	0.0	0.393	0.309	0.000	0.0
475	0.0	0.391	0.307	0.000	0.0
480	0.0	0.390	0.306	0.000	0.0
485	0.0	0.388	0.304	0.000	0.0
490	0.0	0.386	0.303	0.000	0.0
495	0.0	0.384	0.301	0.000	0.0
500	0.0	0.382	0.300	0.000	0.0
505	0.0	0.380	0.298	0.000	0.0
510	0.0	0.378	0.297	0.000	0.0
515	0.0	0.376	0.295	0.000	0.0
520	0.0	0.373	0.293	0.000	0.0
525	0.0	0.371	0.291	0.000	0.0
530	0.0	0.369	0.290	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
535	0.0	0.367	0.288	0.000	0.0
540	0.0	0.364	0.286	0.000	0.0
545	0.0	0.362	0.284	0.000	0.0
550	0.0	0.360	0.282	0.000	0.0
555	0.0	0.357	0.281	0.000	0.0
560	0.0	0.355	0.279	0.000	0.0
565	0.0	0.353	0.277	0.000	0.0
570	0.0	0.350	0.275	0.000	0.0
575	0.0	0.348	0.273	0.000	0.0
580	0.0	0.345	0.271	0.000	0.0
585	0.0	0.343	0.269	0.000	0.0
590	0.0	0.341	0.268	0.000	0.0
595	0.0	0.339	0.266	0.000	0.0
600	0.0	0.336	0.264	0.000	0.0
605	0.0	0.332	0.261	0.000	0.0
610	0.0	0.327	0.257	0.000	0.0
615	0.0	0.322	0.253	0.000	0.0
620	0.0	0.317	0.249	0.000	0.0
625	0.0	0.312	0.245	0.000	0.0
630	0.0	0.307	0.241	0.000	0.0
635	0.0	0.302	0.237	0.000	0.0
640	0.0	0.297	0.233	0.000	0.0
645	0.0	0.292	0.229	0.000	0.0
650	0.0	0.287	0.225	0.000	0.0
655	0.0	0.282	0.221	0.000	0.0
660	0.0	0.277	0.217	0.000	0.0
665	0.0	0.272	0.214	0.000	0.0
670	0.0	0.268	0.210	0.000	0.0
675	0.0	0.263	0.206	0.000	0.0
680	0.0	0.258	0.203	0.000	0.0
685	0.0	0.254	0.199	0.000	0.0
690	0.0	0.249	0.195	0.000	0.0
695	0.0	0.244	0.192	0.000	0.0
700	0.0	0.240	0.188	0.000	0.0
705	0.0	0.235	0.185	0.000	0.0
710	0.0	0.231	0.181	0.000	0.0
715	0.0	0.226	0.178	0.000	0.0
720	0.0	0.222	0.174	0.000	0.0
725	0.0	0.218	0.171	0.000	0.0
730	0.0	0.213	0.168	0.000	0.0
735	0.0	0.209	0.164	0.000	0.0
740	0.0	0.205	0.161	0.000	0.0
745	0.0	0.201	0.158	0.000	0.0
750	0.0	0.197	0.154	0.000	0.0
755	0.0	0.192	0.151	0.000	0.0
760	0.0	0.188	0.148	0.000	0.0
765	0.0	0.184	0.145	0.000	0.0
770	0.0	0.180	0.141	0.000	0.0
775	0.0	0.176	0.138	0.000	0.0
780	0.0	0.172	0.135	0.000	0.0
785	0.0	0.168	0.132	0.000	0.0
790	0.0	0.164	0.129	0.000	0.0
795	0.0	0.160	0.126	0.000	0.0
800	0.0	0.157	0.123	0.000	0.0
805	0.0	0.153	0.120	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
810	0.0	0.149	0.117	0.000	0.0
815	0.0	0.145	0.114	0.000	0.0
820	0.0	0.141	0.111	0.000	0.0
825	0.0	0.138	0.108	0.000	0.0
830	0.0	0.134	0.105	0.000	0.0
835	0.0	0.130	0.102	0.000	0.0
840	0.0	0.126	0.099	0.000	0.0
845	0.0	0.123	0.096	0.000	0.0
850	0.0	0.119	0.094	0.000	0.0
855	0.0	0.116	0.091	0.000	0.0
860	0.0	0.112	0.088	0.000	0.0
865	0.0	0.109	0.085	0.000	0.0
870	0.0	0.105	0.083	0.000	0.0
875	0.0	0.102	0.080	0.000	0.0
880	0.0	0.098	0.077	0.000	0.0
885	0.0	0.095	0.074	0.000	0.0
890	0.0	0.091	0.072	0.000	0.0
895	0.0	0.088	0.069	0.000	0.0
900	0.0	0.085	0.067	0.000	0.0
905	0.0	0.081	0.064	0.000	0.0
910	0.0	0.078	0.061	0.000	0.0
915	0.0	0.075	0.059	0.000	0.0
920	0.0	0.072	0.056	0.000	0.0
925	0.0	0.068	0.054	0.000	0.0
930	0.0	0.065	0.051	0.000	0.0
935	0.0	0.062	0.049	0.000	0.0
940	0.0	0.059	0.046	0.000	0.0
945	0.0	0.056	0.044	0.000	0.0
950	0.0	0.053	0.042	0.000	0.0
955	0.0	0.050	0.039	0.000	0.0
960	0.0	0.047	0.037	0.000	0.0
965	0.0	0.044	0.035	0.000	0.0
970	0.0	0.041	0.032	0.000	0.0
975	0.0	0.038	0.030	0.000	0.0
980	0.0	0.036	0.028	0.000	0.0
985	0.0	0.033	0.026	0.000	0.0
990	0.0	0.030	0.024	0.000	0.0
995	0.0	0.027	0.021	0.000	0.0
1000	0.0	0.025	0.019	0.000	0.0
1005	0.0	0.022	0.017	0.000	0.0
1010	0.0	0.019	0.015	0.000	0.0
1015	0.0	0.016	0.013	0.000	0.0
1020	0.0	0.014	0.011	0.000	0.0
1025	0.0	0.011	0.009	0.000	0.0
1030	0.0	0.009	0.007	0.000	0.0
1035	0.0	0.006	0.005	0.000	0.0
1040	0.0	0.003	0.003	0.000	0.0
1045	0.0	0.002	0.001	0.000	0.0
1050	0.0	0.001	0.001	0.000	0.0
1055	0.0	0.001	0.001	0.000	0.0
1060	0.0	0.001	0.001	0.000	0.0
1065	0.0	0.001	0.001	0.000	0.0
1070	0.0	0.001	0.000	0.000	0.0
1075	0.0	0.001	0.000	0.000	0.0
1080	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

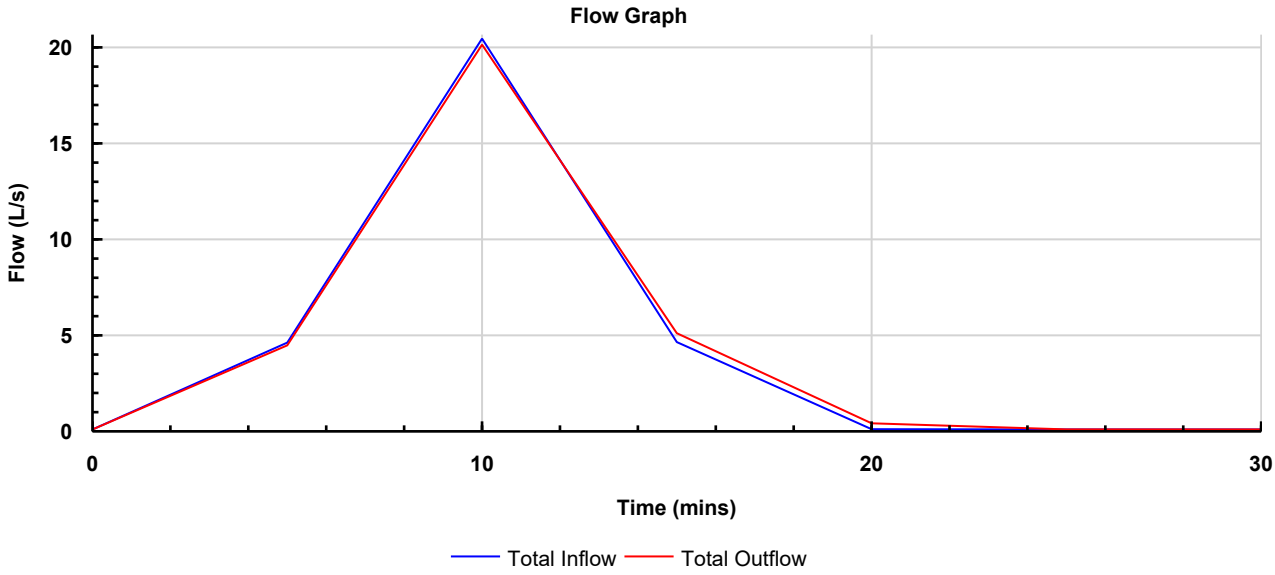
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1085	0.0	0.000	0.000	0.000	0.0
1090	0.0	0.000	0.000	0.000	0.0
1095	0.0	0.000	0.000	0.000	0.0
1100	0.0	0.000	0.000	0.000	0.0
1105	0.0	0.000	0.000	0.000	0.0
1110	0.0	0.000	0.000	0.000	0.0
1115	0.0	0.000	0.000	0.000	0.0
1120	0.0	0.000	0.000	0.000	0.0
1125	0.0	0.000	0.000	0.000	0.0
1130	0.0	0.000	0.000	0.000	0.0
1135	0.0	0.000	0.000	0.000	0.0
1140	0.0	0.000	0.000	0.000	0.0
1145	0.0	0.000	0.000	0.000	0.0
1150	0.0	0.000	0.000	0.000	0.0
1155	0.0	0.000	0.000	0.000	0.0
1160	0.0	0.000	0.000	0.000	0.0
1165	0.0	0.000	0.000	0.000	0.0
1170	0.0	0.000	0.000	0.000	0.0
1175	0.0	0.000	0.000	0.000	0.0
1180	0.0	0.000	0.000	0.000	0.0
1185	0.0	0.000	0.000	0.000	0.0
1190	0.0	0.000	0.000	0.000	0.0
1195	0.0	0.000	0.000	0.000	0.0
1200	0.0	0.000	0.000	0.000	0.0

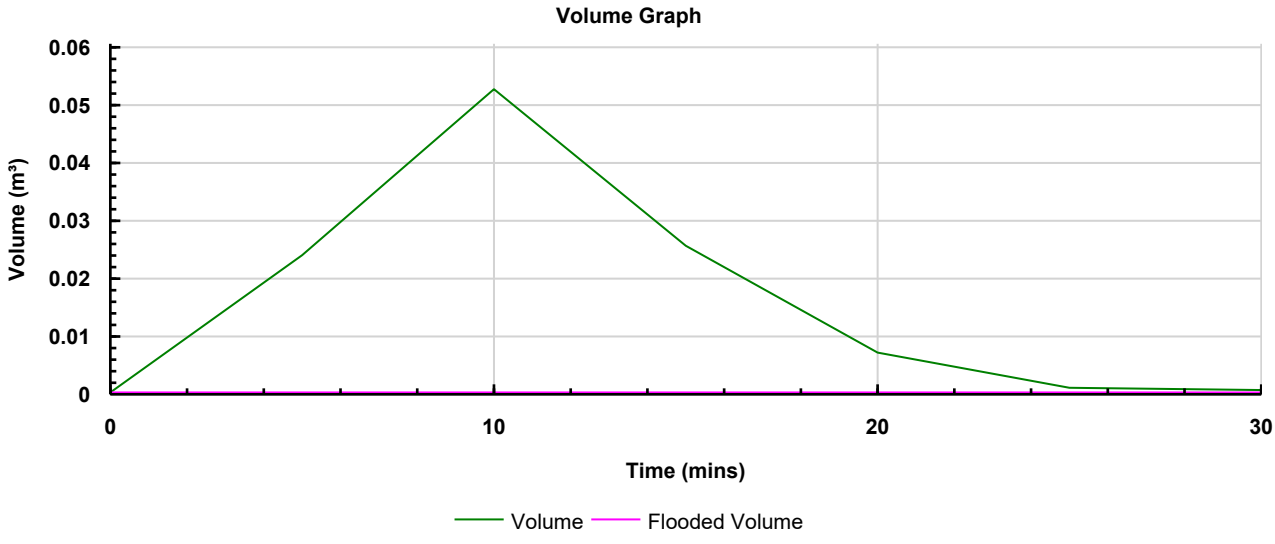
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

RMH05 Type : Manhole

Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

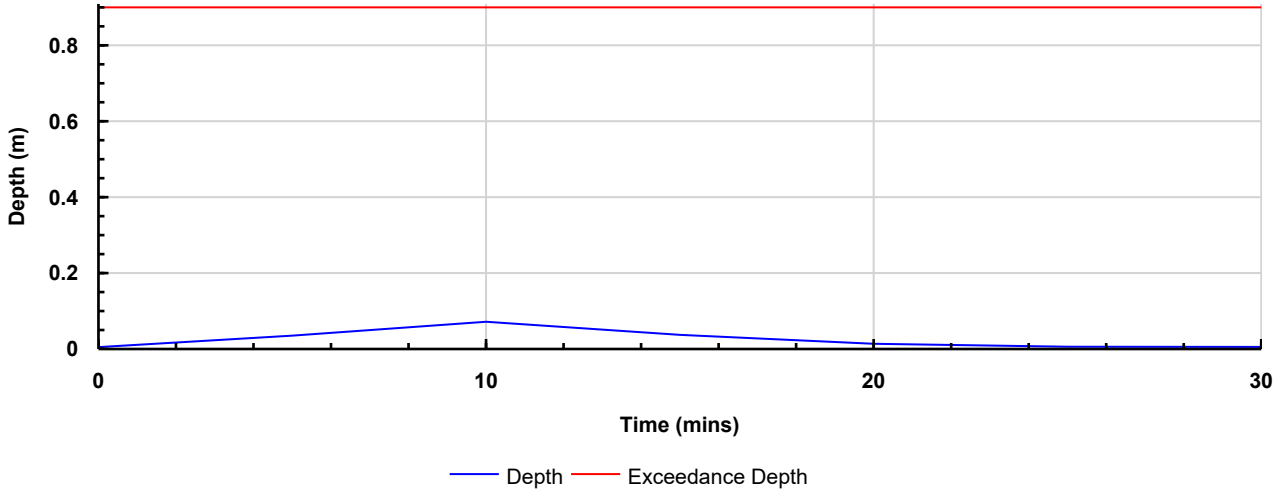
Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Depth Graph



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

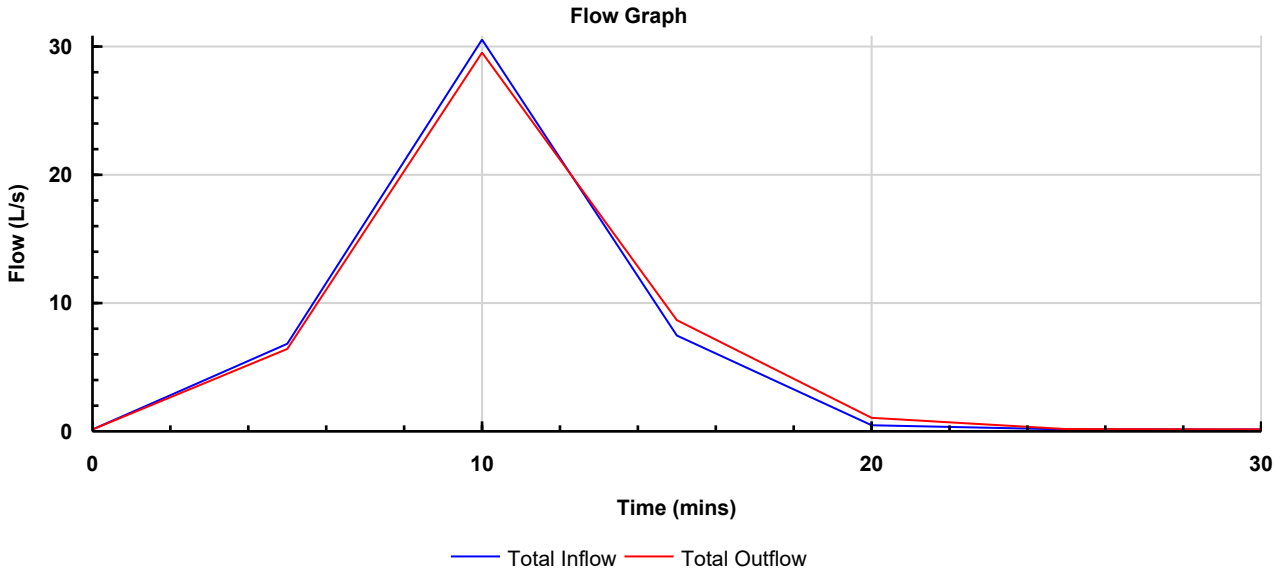
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	4.5	0.030	0.024	0.000	4.4
10	20.5	0.067	0.053	0.000	20.1
15	4.6	0.032	0.025	0.000	5.0
20	0.0	0.009	0.007	0.000	0.3
25	0.0	0.001	0.001	0.000	0.0
30	0.0	0.001	0.000	0.000	0.0

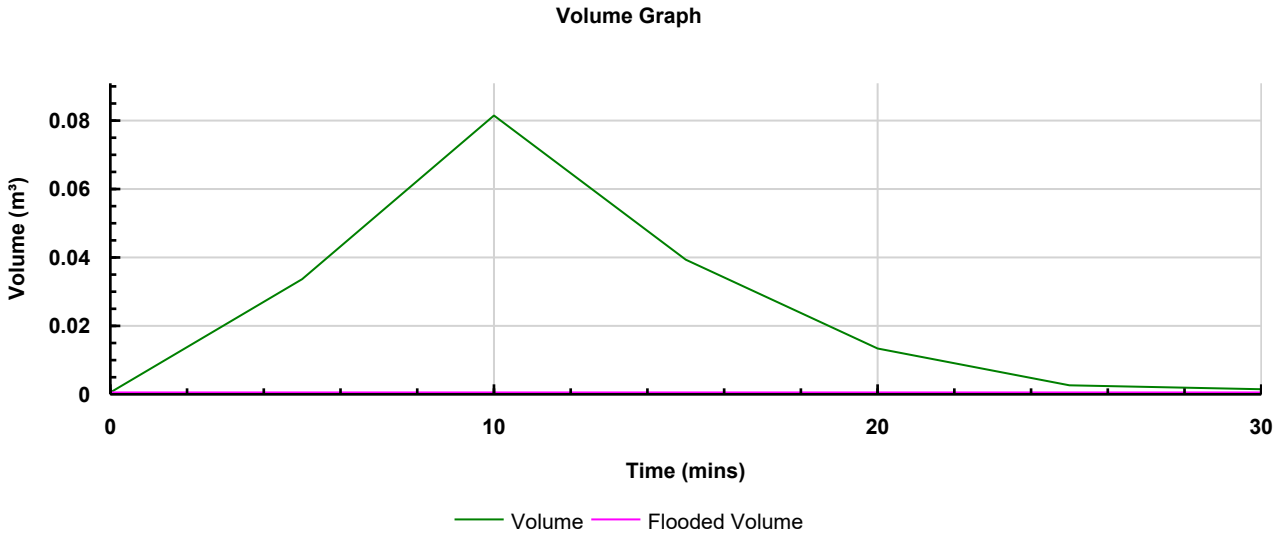
Project - 2080: Ramsbury Manor - Estate Yard	Date: 22/08/2025		
	Designed by: GB	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Company Address: AFA Consulting Engineers Ltd		

RMH04 Type : Manhole

Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

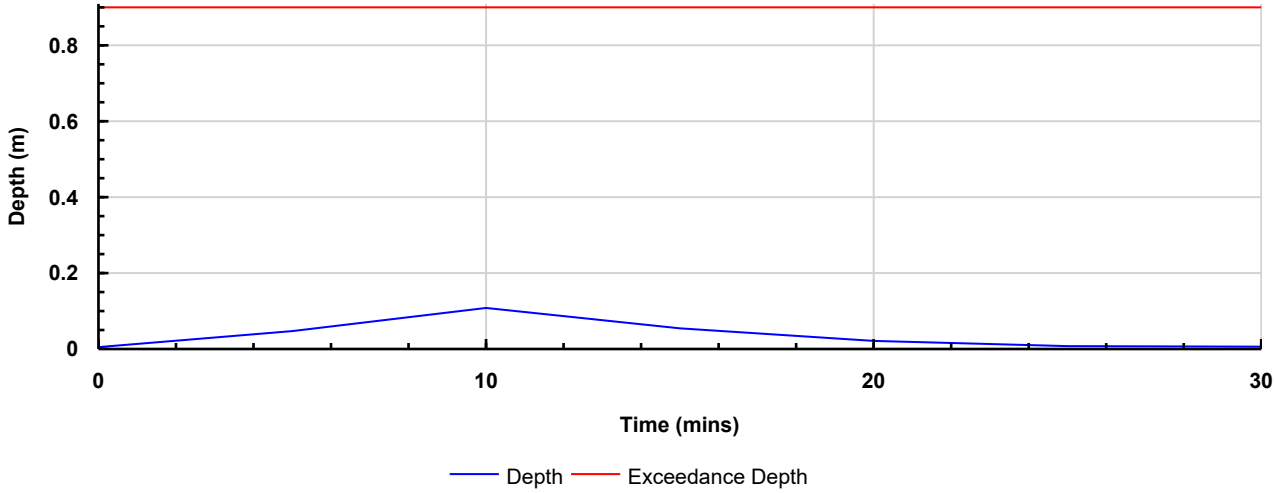
Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Depth Graph



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

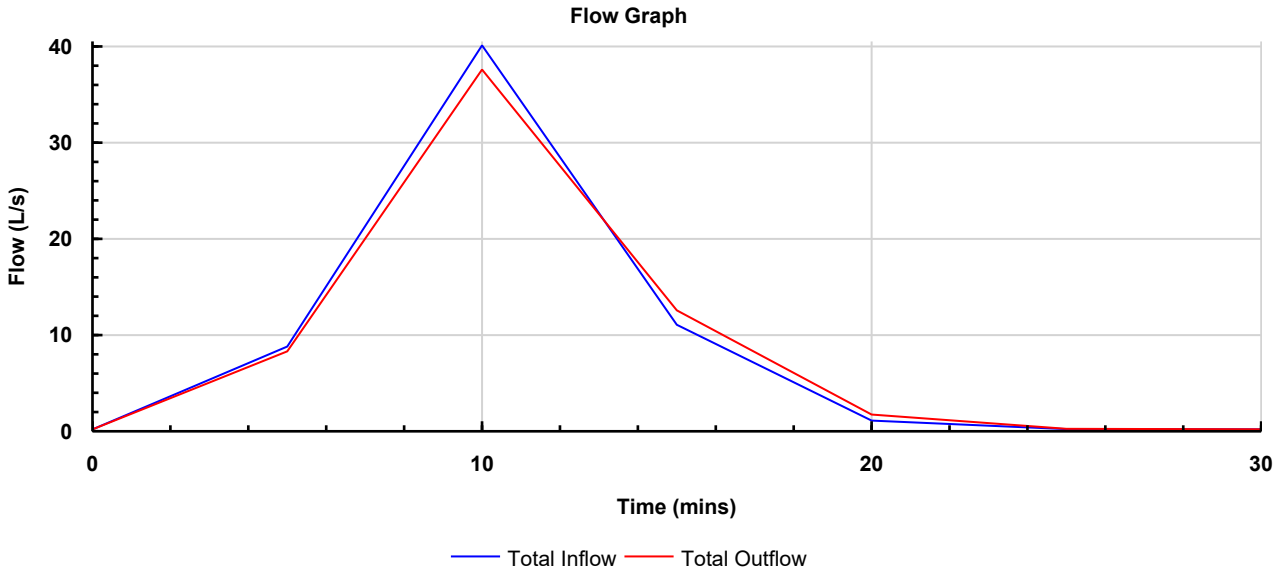
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	6.7	0.042	0.033	0.000	6.3
10	30.5	0.104	0.081	0.000	29.5
15	7.4	0.050	0.039	0.000	8.6
20	0.3	0.016	0.013	0.000	0.9
25	0.0	0.003	0.002	0.000	0.0
30	0.0	0.001	0.001	0.000	0.0

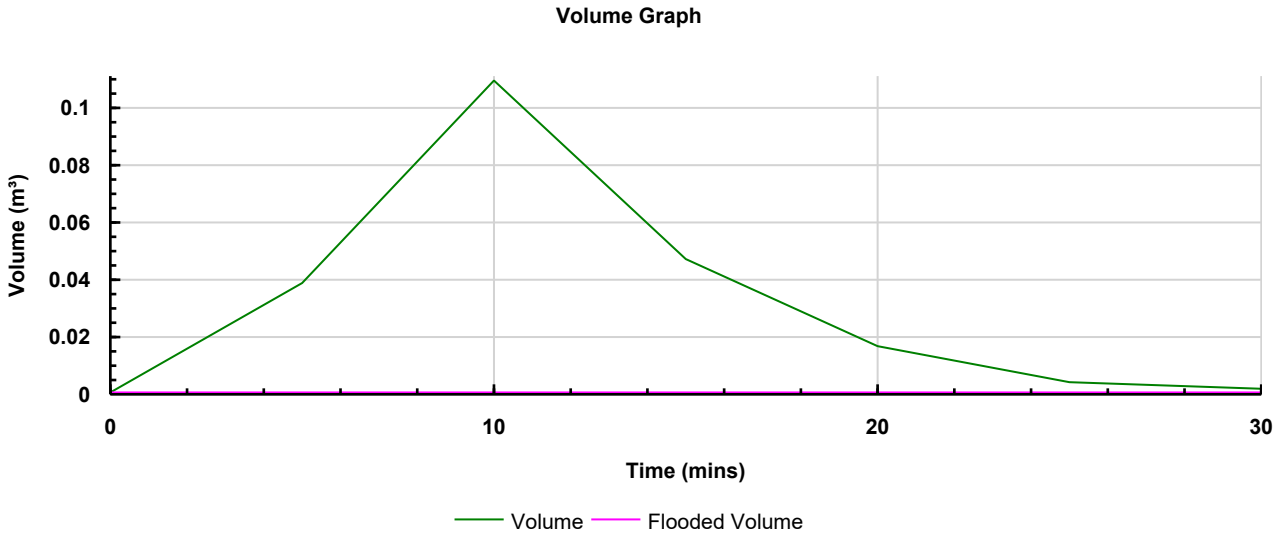
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

RMH03 Type : Manhole

Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

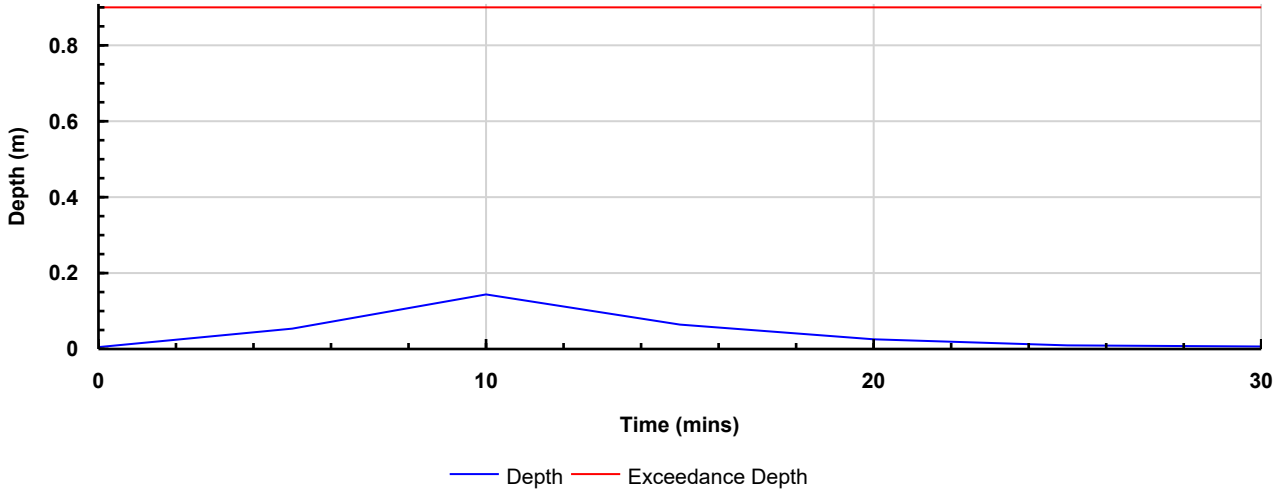
Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Depth Graph



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	8.7	0.049	0.038	0.000	8.2
10	40.1	0.140	0.110	0.000	37.6
15	10.9	0.060	0.047	0.000	12.4
20	0.9	0.021	0.016	0.000	1.6
25	0.0	0.005	0.004	0.000	0.1
30	0.0	0.002	0.001	0.000	0.0

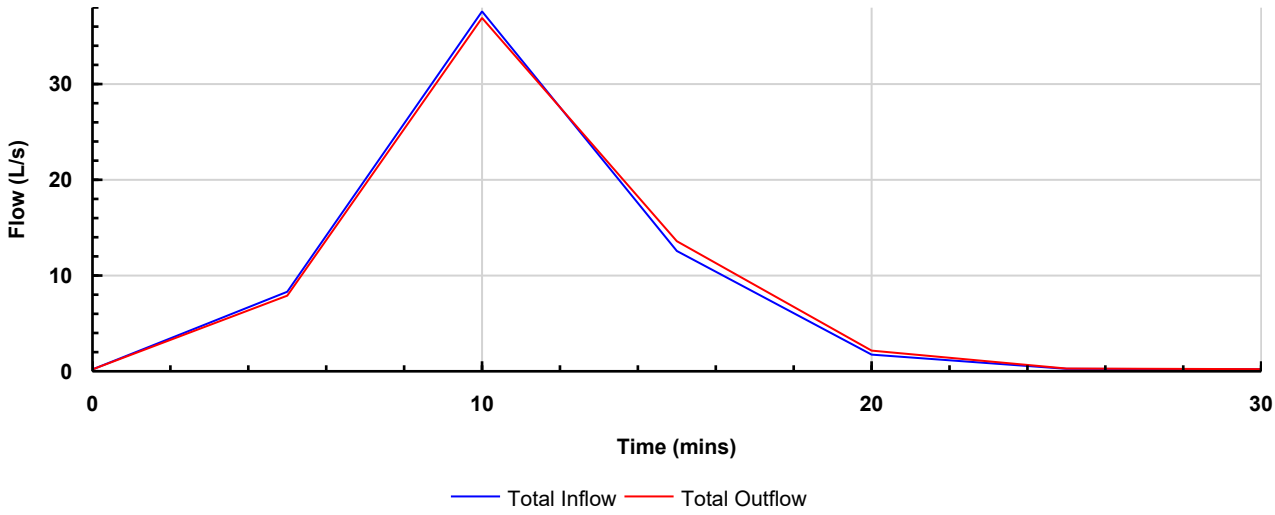
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

RMH02 Type : Manhole

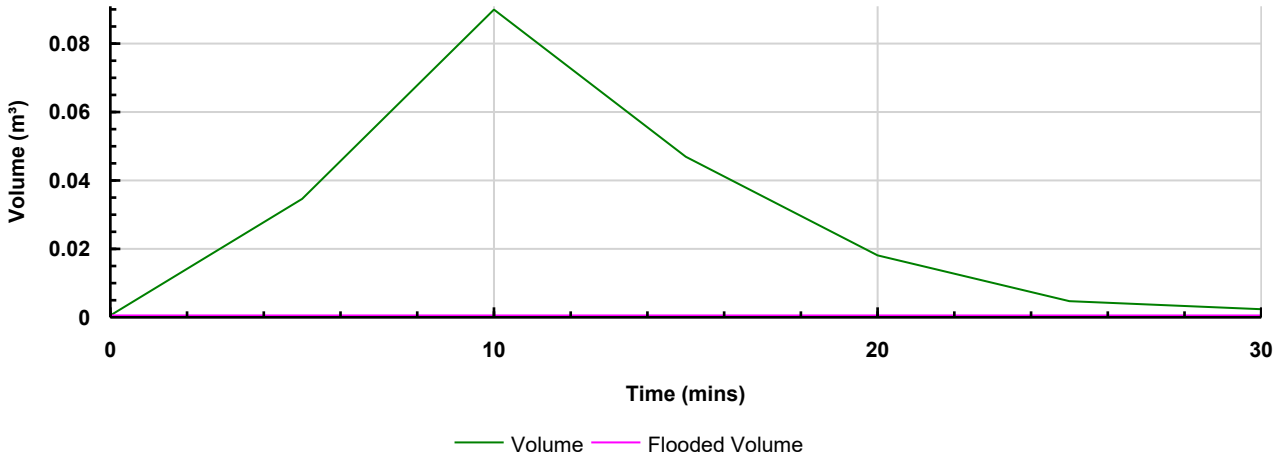
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs

Flow Graph

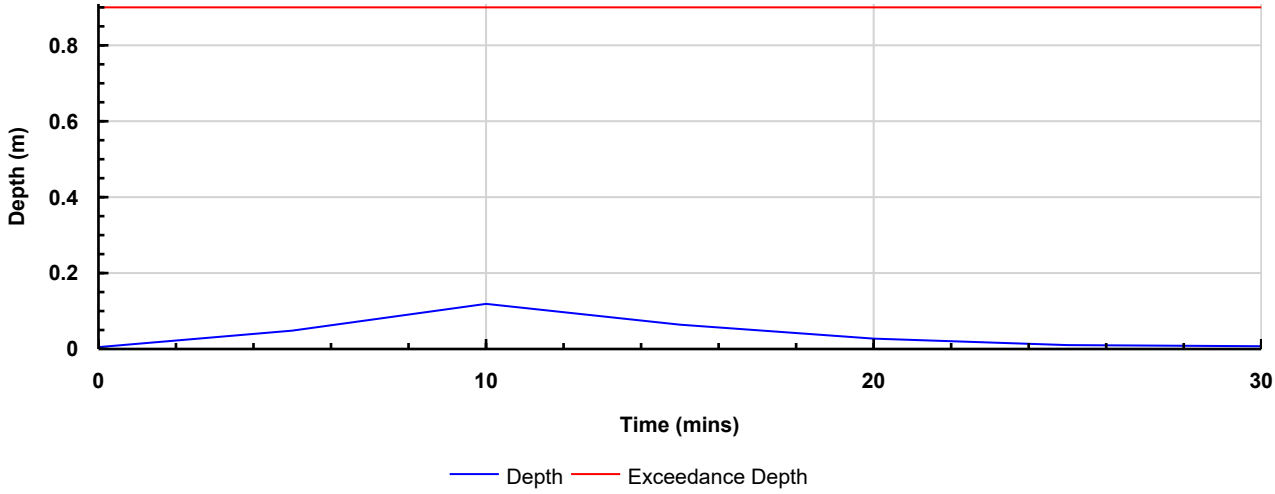


Volume Graph



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Depth Graph



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

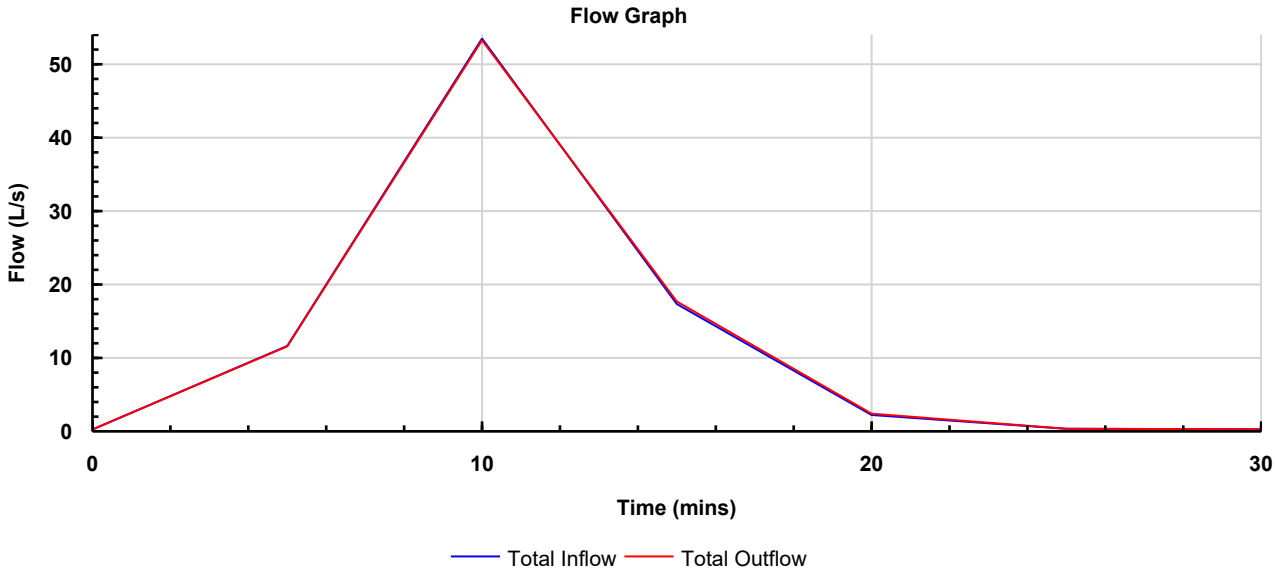
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	8.2	0.044	0.034	0.000	7.7
10	37.6	0.115	0.090	0.000	36.9
15	12.4	0.059	0.047	0.000	13.5
20	1.6	0.022	0.018	0.000	2.0
25	0.1	0.005	0.004	0.000	0.1
30	0.0	0.002	0.002	0.000	0.0

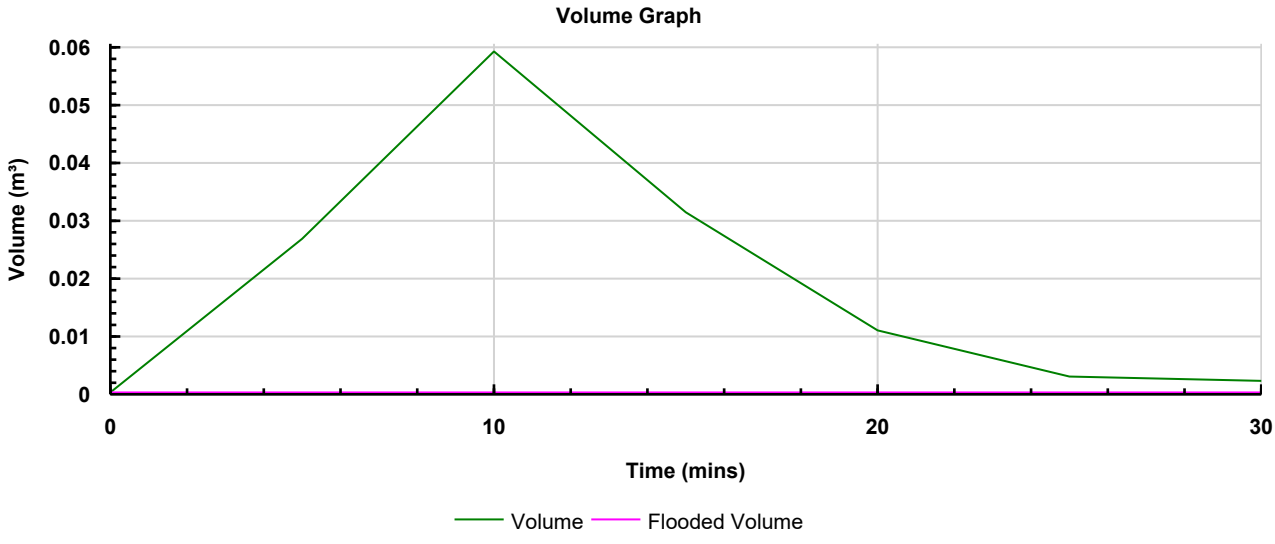
Project - 2080: Ramsbury Manor - Estate Yard	Date: 22/08/2025		
	Designed by: GB	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Company Address: AFA Consulting Engineers Ltd		

RMH01 Type : Manhole

Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

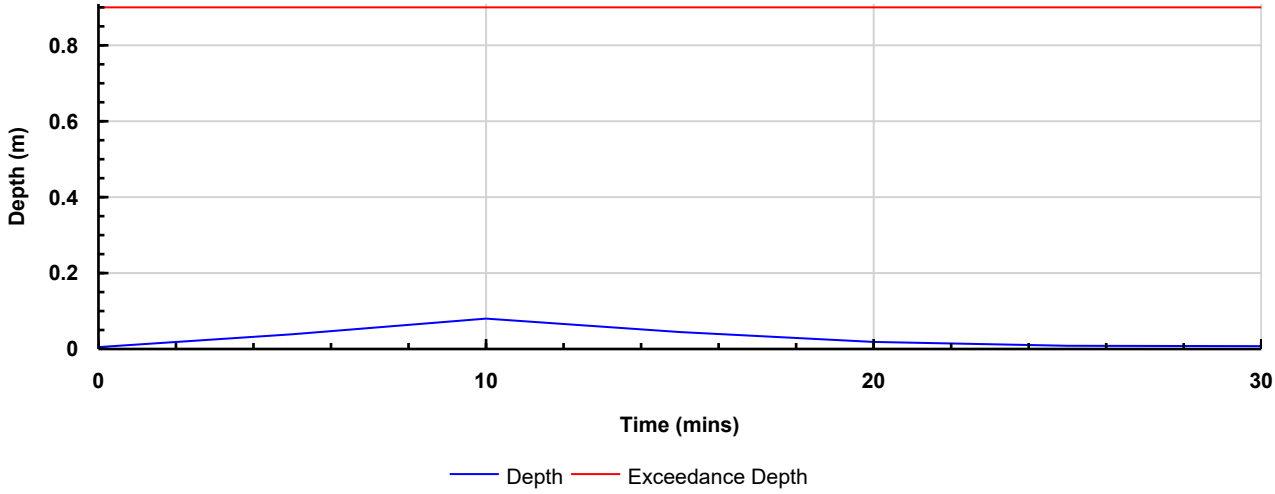
Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Depth Graph



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

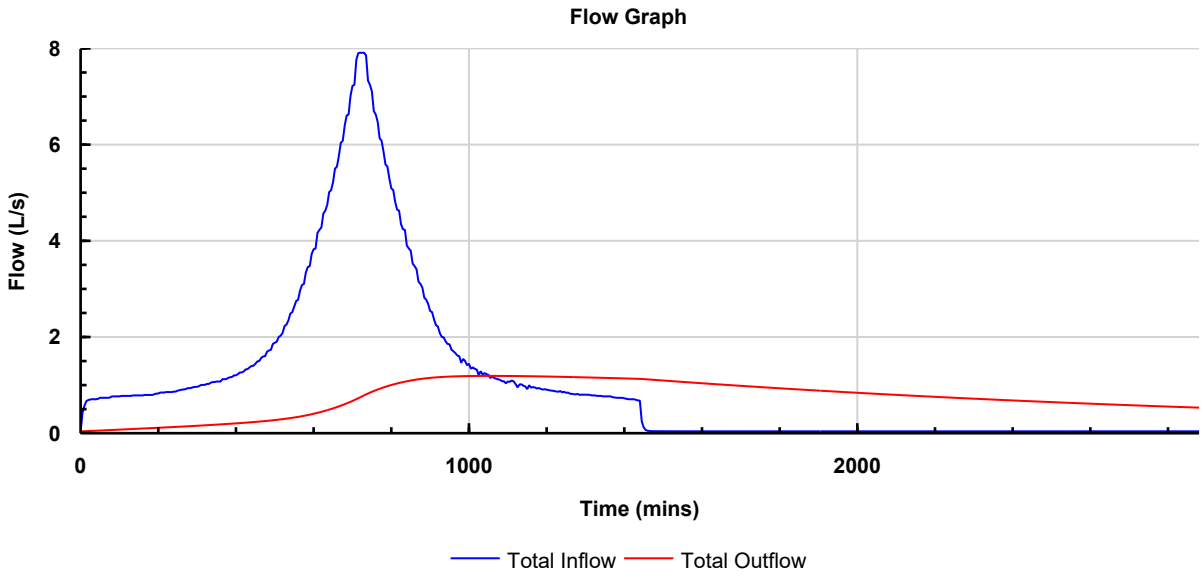
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	11.4	0.034	0.027	0.000	11.4
10	53.5	0.076	0.059	0.000	53.3
15	17.2	0.040	0.031	0.000	17.5
20	2.0	0.014	0.011	0.000	2.2
25	0.1	0.004	0.003	0.000	0.1
30	0.0	0.003	0.002	0.000	0.0

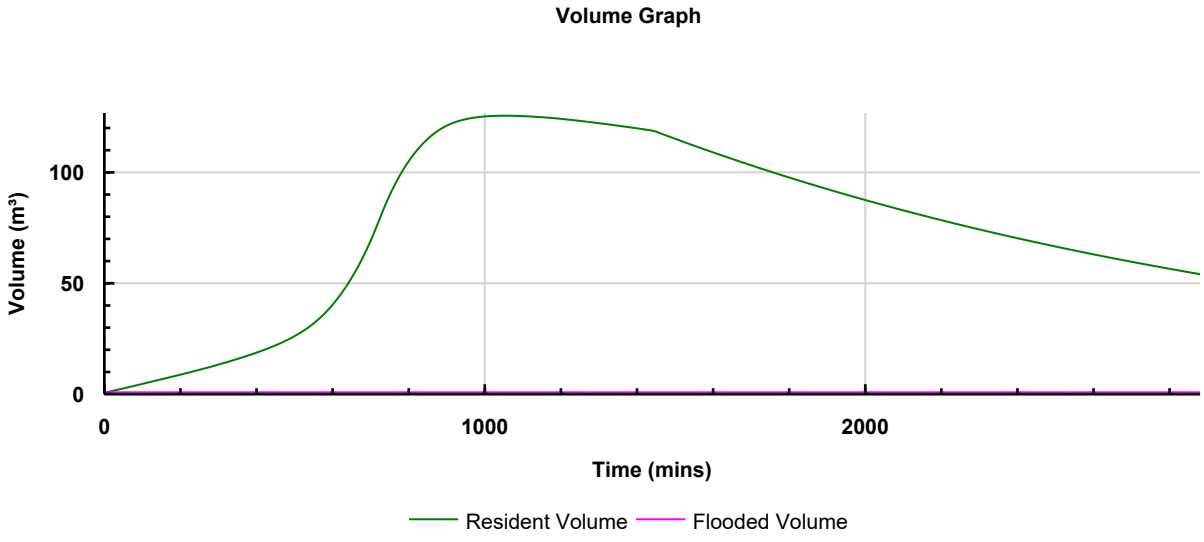
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Soakaway
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

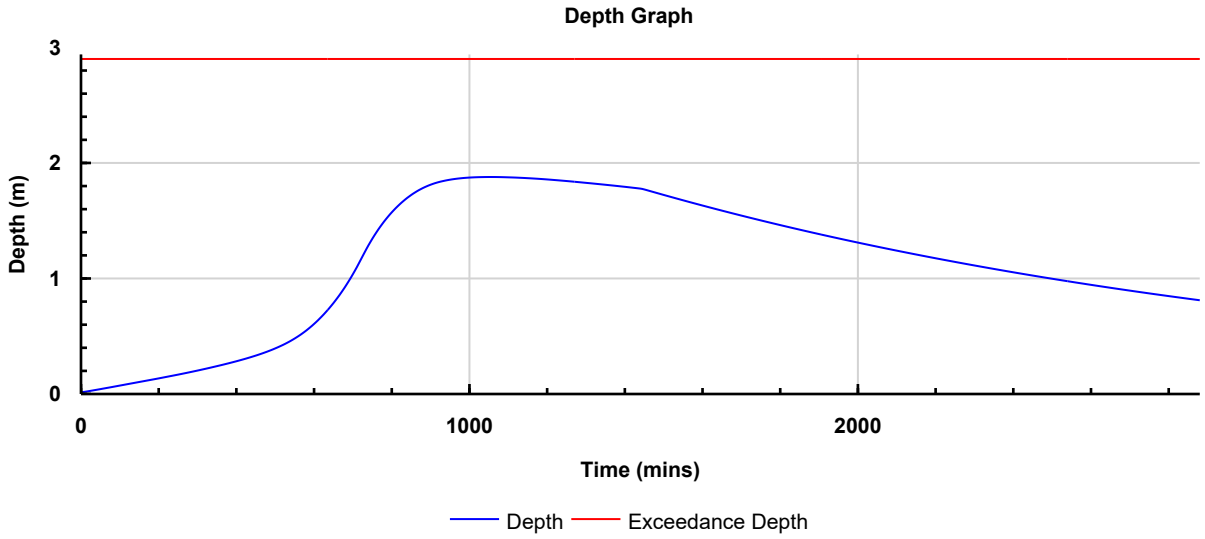
Type : Soakaway

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.4	0.001	0.050	0.000	0.0
10	0.5	0.003	0.192	0.000	0.0
15	0.6	0.006	0.370	0.000	0.0
20	0.7	0.008	0.562	0.000	0.0
25	0.7	0.011	0.758	0.000	0.0
30	0.7	0.014	0.956	0.000	0.0
35	0.7	0.017	1.154	0.000	0.0
40	0.7	0.020	1.351	0.000	0.0
45	0.7	0.023	1.549	0.000	0.0
50	0.7	0.026	1.752	0.000	0.0
55	0.7	0.029	1.956	0.000	0.0
60	0.7	0.032	2.161	0.000	0.0
65	0.7	0.035	2.365	0.000	0.0
70	0.7	0.038	2.568	0.000	0.0
75	0.7	0.041	2.771	0.000	0.0
80	0.7	0.044	2.977	0.000	0.0
85	0.7	0.048	3.188	0.000	0.0
90	0.7	0.051	3.398	0.000	0.0
95	0.7	0.054	3.607	0.000	0.0
100	0.7	0.057	3.816	0.000	0.0
105	0.7	0.060	4.025	0.000	0.0
110	0.7	0.063	4.236	0.000	0.0
115	0.7	0.066	4.446	0.000	0.0
120	0.7	0.069	4.655	0.000	0.0
125	0.7	0.073	4.864	0.000	0.0
130	0.7	0.076	5.072	0.000	0.0
135	0.7	0.079	5.282	0.000	0.0
140	0.8	0.082	5.492	0.000	0.1
145	0.8	0.085	5.701	0.000	0.1
150	0.8	0.088	5.910	0.000	0.1
155	0.7	0.091	6.119	0.000	0.1
160	0.7	0.094	6.326	0.000	0.1
165	0.8	0.098	6.535	0.000	0.1
170	0.8	0.101	6.745	0.000	0.1
175	0.8	0.104	6.954	0.000	0.1
180	0.8	0.107	7.162	0.000	0.1
185	0.8	0.110	7.370	0.000	0.1
190	0.8	0.113	7.579	0.000	0.1
195	0.8	0.116	7.793	0.000	0.1
200	0.8	0.119	8.008	0.000	0.1
205	0.8	0.123	8.225	0.000	0.1
210	0.8	0.126	8.445	0.000	0.1
215	0.8	0.129	8.664	0.000	0.1
220	0.8	0.133	8.885	0.000	0.1
225	0.8	0.136	9.106	0.000	0.1
230	0.8	0.139	9.326	0.000	0.1
235	0.8	0.142	9.546	0.000	0.1
240	0.8	0.146	9.767	0.000	0.1
245	0.8	0.149	9.989	0.000	0.1
250	0.9	0.152	10.212	0.000	0.1
255	0.9	0.156	10.441	0.000	0.1
260	0.9	0.159	10.671	0.000	0.1
265	0.9	0.163	10.902	0.000	0.1
270	0.9	0.166	11.135	0.000	0.1

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
275	0.9	0.170	11.371	0.000	0.1
280	0.9	0.173	11.609	0.000	0.1
285	0.9	0.177	11.848	0.000	0.1
290	0.9	0.180	12.090	0.000	0.1
295	0.9	0.184	12.333	0.000	0.1
300	0.9	0.188	12.578	0.000	0.1
305	0.9	0.191	12.824	0.000	0.1
310	1.0	0.195	13.074	0.000	0.1
315	1.0	0.199	13.329	0.000	0.1
320	1.0	0.203	13.583	0.000	0.1
325	1.0	0.206	13.839	0.000	0.1
330	1.0	0.210	14.097	0.000	0.1
335	1.0	0.214	14.358	0.000	0.1
340	1.0	0.218	14.624	0.000	0.1
345	1.0	0.222	14.892	0.000	0.1
350	1.0	0.226	15.161	0.000	0.1
355	1.0	0.230	15.431	0.000	0.1
360	1.0	0.234	15.700	0.000	0.1
365	1.1	0.238	15.975	0.000	0.1
370	1.1	0.243	16.257	0.000	0.1
375	1.1	0.247	16.539	0.000	0.2
380	1.1	0.251	16.823	0.000	0.2
385	1.1	0.255	17.114	0.000	0.2
390	1.1	0.260	17.406	0.000	0.2
395	1.2	0.264	17.703	0.000	0.2
400	1.2	0.269	18.005	0.000	0.2
405	1.2	0.273	18.308	0.000	0.2
410	1.2	0.278	18.621	0.000	0.2
415	1.2	0.283	18.938	0.000	0.2
420	1.3	0.287	19.257	0.000	0.2
425	1.3	0.292	19.585	0.000	0.2
430	1.3	0.297	19.913	0.000	0.2
435	1.3	0.302	20.253	0.000	0.2
440	1.4	0.307	20.601	0.000	0.2
445	1.4	0.313	20.954	0.000	0.2
450	1.4	0.318	21.312	0.000	0.2
455	1.5	0.324	21.684	0.000	0.2
460	1.5	0.329	22.063	0.000	0.2
465	1.5	0.335	22.451	0.000	0.2
470	1.6	0.341	22.854	0.000	0.2
475	1.6	0.347	23.260	0.000	0.2
480	1.7	0.353	23.678	0.000	0.2
485	1.7	0.360	24.117	0.000	0.2
490	1.7	0.366	24.558	0.000	0.2
495	1.8	0.373	25.017	0.000	0.2
500	1.8	0.380	25.500	0.000	0.2
505	1.9	0.388	25.987	0.000	0.2
510	2.0	0.395	26.490	0.000	0.2
515	2.0	0.403	27.013	0.000	0.2
520	2.1	0.411	27.545	0.000	0.3
525	2.2	0.419	28.103	0.000	0.3
530	2.2	0.428	28.691	0.000	0.3
535	2.3	0.437	29.292	0.000	0.3
540	2.5	0.446	29.927	0.000	0.3
545	2.5	0.456	30.576	0.000	0.3
550	2.6	0.466	31.252	0.000	0.3
555	2.7	0.477	31.963	0.000	0.3
560	2.7	0.488	32.696	0.000	0.3

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
565	2.9	0.499	33.454	0.000	0.3
570	3.1	0.511	34.260	0.000	0.3
575	3.1	0.524	35.086	0.000	0.3
580	3.3	0.536	35.943	0.000	0.3
585	3.4	0.550	36.858	0.000	0.3
590	3.4	0.564	37.788	0.000	0.3
595	3.7	0.578	38.750	0.000	0.4
600	3.8	0.594	39.771	0.000	0.4
605	3.8	0.609	40.804	0.000	0.4
610	4.1	0.625	41.878	0.000	0.4
615	4.2	0.642	43.019	0.000	0.4
620	4.3	0.659	44.168	0.000	0.4
625	4.6	0.677	45.360	0.000	0.4
630	4.6	0.696	46.611	0.000	0.4
635	4.7	0.715	47.879	0.000	0.4
640	5.0	0.734	49.201	0.000	0.5
645	5.0	0.755	50.572	0.000	0.5
650	5.2	0.776	51.963	0.000	0.5
655	5.5	0.797	53.419	0.000	0.5
660	5.5	0.820	54.926	0.000	0.5
665	5.8	0.843	56.460	0.000	0.5
670	6.0	0.867	58.068	0.000	0.5
675	6.1	0.891	59.723	0.000	0.6
680	6.4	0.917	61.418	0.000	0.6
685	6.6	0.943	63.195	0.000	0.6
690	6.6	0.970	65.002	0.000	0.6
695	7.0	0.998	66.857	0.000	0.6
700	7.2	1.027	68.806	0.000	0.6
705	7.2	1.056	70.784	0.000	0.7
710	7.8	1.087	72.826	0.000	0.7
715	7.9	1.119	74.978	0.000	0.7
720	7.9	1.151	77.141	0.000	0.7
725	7.9	1.183	79.297	0.000	0.7
730	7.9	1.215	81.448	0.000	0.8
735	7.9	1.247	83.585	0.000	0.8
740	7.3	1.278	85.638	0.000	0.8
745	7.2	1.307	87.576	0.000	0.8
750	7.1	1.335	89.485	0.000	0.8
755	6.7	1.362	91.309	0.000	0.8
760	6.6	1.388	93.045	0.000	0.9
765	6.5	1.414	94.750	0.000	0.9
770	6.1	1.438	96.378	0.000	0.9
775	6.1	1.461	97.934	0.000	0.9
780	5.8	1.484	99.452	0.000	0.9
785	5.6	1.505	100.889	0.000	0.9
790	5.5	1.526	102.270	0.000	0.9
795	5.3	1.546	103.611	0.000	1.0
800	5.1	1.565	104.877	0.000	1.0
805	5.0	1.583	106.100	0.000	1.0
810	4.8	1.601	107.284	0.000	1.0
815	4.6	1.617	108.398	0.000	1.0
820	4.6	1.633	109.481	0.000	1.0
825	4.3	1.649	110.524	0.000	1.0
830	4.2	1.663	111.496	0.000	1.0
835	4.2	1.678	112.450	0.000	1.0
840	3.9	1.691	113.358	0.000	1.0
845	3.8	1.704	114.194	0.000	1.1
850	3.8	1.716	115.018	0.000	1.1

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
855	3.5	1.727	115.795	0.000	1.1
860	3.5	1.738	116.513	0.000	1.1
865	3.4	1.749	117.216	0.000	1.1
870	3.1	1.758	117.872	0.000	1.1
875	3.1	1.767	118.474	0.000	1.1
880	3.0	1.776	119.059	0.000	1.1
885	2.8	1.784	119.601	0.000	1.1
890	2.8	1.792	120.098	0.000	1.1
895	2.7	1.799	120.578	0.000	1.1
900	2.5	1.805	121.021	0.000	1.1
905	2.5	1.812	121.435	0.000	1.1
910	2.3	1.817	121.822	0.000	1.1
915	2.2	1.822	122.169	0.000	1.1
920	2.2	1.827	122.490	0.000	1.1
925	2.1	1.832	122.789	0.000	1.1
930	2.0	1.836	123.051	0.000	1.1
935	2.0	1.839	123.300	0.000	1.1
940	1.9	1.843	123.536	0.000	1.1
945	1.8	1.846	123.748	0.000	1.1
950	1.8	1.849	123.952	0.000	1.1
955	1.7	1.852	124.139	0.000	1.1
960	1.7	1.854	124.301	0.000	1.1
965	1.6	1.857	124.457	0.000	1.1
970	1.6	1.859	124.601	0.000	1.1
975	1.6	1.860	124.722	0.000	1.2
980	1.4	1.862	124.843	0.000	1.2
985	1.5	1.864	124.947	0.000	1.2
990	1.5	1.865	125.039	0.000	1.2
995	1.4	1.866	125.123	0.000	1.2
1000	1.4	1.868	125.197	0.000	1.2
1005	1.3	1.868	125.259	0.000	1.2
1010	1.3	1.869	125.315	0.000	1.2
1015	1.3	1.870	125.363	0.000	1.2
1020	1.3	1.871	125.403	0.000	1.2
1025	1.2	1.871	125.438	0.000	1.2
1030	1.3	1.872	125.465	0.000	1.2
1035	1.2	1.872	125.486	0.000	1.2
1040	1.2	1.872	125.503	0.000	1.2
1045	1.2	1.872	125.515	0.000	1.2
1050	1.2	1.872	125.522	0.000	1.2
1055	1.1	1.872	125.524	0.000	1.2
1060	1.1	1.872	125.521	0.000	1.2
1065	1.1	1.872	125.514	0.000	1.2
1070	1.1	1.872	125.503	0.000	1.2
1075	1.1	1.872	125.485	0.000	1.2
1080	1.1	1.871	125.465	0.000	1.2
1085	1.0	1.871	125.439	0.000	1.2
1090	1.0	1.871	125.405	0.000	1.2
1095	1.0	1.870	125.372	0.000	1.2
1100	1.0	1.870	125.337	0.000	1.2
1105	1.0	1.869	125.301	0.000	1.2
1110	1.1	1.869	125.264	0.000	1.2
1115	1.0	1.868	125.225	0.000	1.2
1120	1.0	1.867	125.180	0.000	1.2
1125	0.9	1.866	125.131	0.000	1.2
1130	1.0	1.866	125.078	0.000	1.2
1135	1.0	1.865	125.025	0.000	1.2
1140	1.0	1.864	124.970	0.000	1.2

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1145	0.9	1.863	124.911	0.000	1.2
1150	0.9	1.862	124.846	0.000	1.2
1155	1.0	1.861	124.785	0.000	1.2
1160	0.9	1.860	124.720	0.000	1.2
1165	0.9	1.859	124.653	0.000	1.1
1170	0.9	1.858	124.584	0.000	1.1
1175	0.9	1.857	124.511	0.000	1.1
1180	0.9	1.856	124.435	0.000	1.1
1185	0.9	1.855	124.358	0.000	1.1
1190	0.9	1.854	124.278	0.000	1.1
1195	0.9	1.853	124.196	0.000	1.1
1200	0.9	1.851	124.112	0.000	1.1
1205	0.9	1.850	124.024	0.000	1.1
1210	0.9	1.849	123.933	0.000	1.1
1215	0.8	1.847	123.840	0.000	1.1
1220	0.8	1.846	123.748	0.000	1.1
1225	0.8	1.844	123.656	0.000	1.1
1230	0.8	1.843	123.563	0.000	1.1
1235	0.8	1.842	123.469	0.000	1.1
1240	0.8	1.840	123.375	0.000	1.1
1245	0.8	1.839	123.278	0.000	1.1
1250	0.8	1.837	123.179	0.000	1.1
1255	0.8	1.836	123.080	0.000	1.1
1260	0.8	1.834	122.979	0.000	1.1
1265	0.8	1.833	122.875	0.000	1.1
1270	0.8	1.831	122.768	0.000	1.1
1275	0.8	1.830	122.661	0.000	1.1
1280	0.8	1.828	122.554	0.000	1.1
1285	0.8	1.826	122.446	0.000	1.1
1290	0.8	1.825	122.337	0.000	1.1
1295	0.8	1.823	122.228	0.000	1.1
1300	0.8	1.822	122.120	0.000	1.1
1305	0.8	1.820	122.012	0.000	1.1
1310	0.8	1.818	121.903	0.000	1.1
1315	0.8	1.817	121.793	0.000	1.1
1320	0.8	1.815	121.682	0.000	1.1
1325	0.7	1.813	121.570	0.000	1.1
1330	0.7	1.812	121.457	0.000	1.1
1335	0.7	1.810	121.344	0.000	1.1
1340	0.7	1.808	121.230	0.000	1.1
1345	0.7	1.807	121.115	0.000	1.1
1350	0.7	1.805	120.999	0.000	1.1
1355	0.7	1.803	120.883	0.000	1.1
1360	0.7	1.801	120.768	0.000	1.1
1365	0.7	1.800	120.653	0.000	1.1
1370	0.7	1.798	120.536	0.000	1.1
1375	0.7	1.796	120.416	0.000	1.1
1380	0.7	1.794	120.294	0.000	1.1
1385	0.7	1.792	120.171	0.000	1.1
1390	0.7	1.791	120.049	0.000	1.1
1395	0.7	1.789	119.927	0.000	1.1
1400	0.7	1.787	119.803	0.000	1.1
1405	0.7	1.785	119.678	0.000	1.1
1410	0.7	1.783	119.550	0.000	1.1
1415	0.7	1.781	119.420	0.000	1.1
1420	0.7	1.779	119.291	0.000	1.1
1425	0.7	1.777	119.162	0.000	1.1
1430	0.7	1.775	119.032	0.000	1.1

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1435	0.6	1.773	118.898	0.000	1.1
1440	0.6	1.771	118.762	0.000	1.1
1445	0.2	1.769	118.571	0.000	1.1
1450	0.1	1.764	118.286	0.000	1.1
1455	0.0	1.760	117.975	0.000	1.1
1460	0.0	1.755	117.645	0.000	1.1
1465	0.0	1.750	117.321	0.000	1.1
1470	0.0	1.745	116.999	0.000	1.1
1475	0.0	1.740	116.671	0.000	1.1
1480	0.0	1.736	116.350	0.000	1.1
1485	0.0	1.731	116.034	0.000	1.1
1490	0.0	1.726	115.709	0.000	1.1
1495	0.0	1.721	115.392	0.000	1.1
1500	0.0	1.716	115.087	0.000	1.1
1505	0.0	1.712	114.769	0.000	1.1
1510	0.0	1.707	114.452	0.000	1.1
1515	0.0	1.702	114.136	0.000	1.1
1520	0.0	1.698	113.812	0.000	1.0
1525	0.0	1.693	113.495	0.000	1.0
1530	0.0	1.688	113.179	0.000	1.0
1535	0.0	1.684	112.871	0.000	1.0
1540	0.0	1.679	112.556	0.000	1.0
1545	0.0	1.674	112.243	0.000	1.0
1550	0.0	1.670	111.937	0.000	1.0
1555	0.0	1.665	111.625	0.000	1.0
1560	0.0	1.660	111.321	0.000	1.0
1565	0.0	1.656	111.011	0.000	1.0
1570	0.0	1.651	110.702	0.000	1.0
1575	0.0	1.647	110.400	0.000	1.0
1580	0.0	1.642	110.092	0.000	1.0
1585	0.0	1.638	109.786	0.000	1.0
1590	0.0	1.633	109.486	0.000	1.0
1595	0.0	1.629	109.182	0.000	1.0
1600	0.0	1.624	108.884	0.000	1.0
1605	0.0	1.620	108.581	0.000	1.0
1610	0.0	1.615	108.278	0.000	1.0
1615	0.0	1.611	107.983	0.000	1.0
1620	0.0	1.606	107.682	0.000	1.0
1625	0.0	1.602	107.397	0.000	1.0
1630	0.0	1.597	107.100	0.000	1.0
1635	0.0	1.593	106.804	0.000	1.0
1640	0.0	1.589	106.509	0.000	1.0
1645	0.0	1.584	106.214	0.000	1.0
1650	0.0	1.580	105.921	0.000	1.0
1655	0.0	1.575	105.628	0.000	1.0
1660	0.0	1.571	105.336	0.000	1.0
1665	0.0	1.567	105.045	0.000	1.0
1670	0.0	1.562	104.755	0.000	1.0
1675	0.0	1.558	104.465	0.000	1.0
1680	0.0	1.554	104.176	0.000	1.0
1685	0.0	1.549	103.889	0.000	1.0
1690	0.0	1.545	103.601	0.000	1.0
1695	0.0	1.541	103.315	0.000	1.0
1700	0.0	1.537	103.030	0.000	1.0
1705	0.0	1.532	102.745	0.000	0.9
1710	0.0	1.528	102.461	0.000	0.9
1715	0.0	1.524	102.178	0.000	0.9
1720	0.0	1.520	101.895	0.000	0.9

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1725	0.0	1.516	101.614	0.000	0.9
1730	0.0	1.511	101.333	0.000	0.9
1735	0.0	1.507	101.053	0.000	0.9
1740	0.0	1.503	100.774	0.000	0.9
1745	0.0	1.499	100.495	0.000	0.9
1750	0.0	1.495	100.217	0.000	0.9
1755	0.0	1.491	99.940	0.000	0.9
1760	0.0	1.486	99.664	0.000	0.9
1765	0.0	1.482	99.389	0.000	0.9
1770	0.0	1.478	99.114	0.000	0.9
1775	0.0	1.474	98.840	0.000	0.9
1780	0.0	1.470	98.567	0.000	0.9
1785	0.0	1.466	98.294	0.000	0.9
1790	0.0	1.462	98.023	0.000	0.9
1795	0.0	1.458	97.752	0.000	0.9
1800	0.0	1.454	97.482	0.000	0.9
1805	0.0	1.450	97.212	0.000	0.9
1810	0.0	1.446	96.943	0.000	0.9
1815	0.0	1.442	96.676	0.000	0.9
1820	0.0	1.438	96.408	0.000	0.9
1825	0.0	1.434	96.142	0.000	0.9
1830	0.0	1.430	95.876	0.000	0.9
1835	0.0	1.426	95.611	0.000	0.9
1840	0.0	1.422	95.347	0.000	0.9
1845	0.0	1.418	95.083	0.000	0.9
1850	0.0	1.414	94.821	0.000	0.9
1855	0.0	1.410	94.559	0.000	0.9
1860	0.0	1.406	94.297	0.000	0.9
1865	0.0	1.403	94.037	0.000	0.9
1870	0.0	1.399	93.777	0.000	0.9
1875	0.0	1.395	93.517	0.000	0.9
1880	0.0	1.391	93.259	0.000	0.9
1885	0.0	1.387	93.001	0.000	0.9
1890	0.0	1.383	92.744	0.000	0.9
1895	0.0	1.379	92.488	0.000	0.9
1900	0.0	1.376	92.232	0.000	0.9
1905	0.0	1.372	91.977	0.000	0.8
1910	0.0	1.368	91.723	0.000	0.8
1915	0.0	1.364	91.470	0.000	0.8
1920	0.0	1.360	91.217	0.000	0.8
1925	0.0	1.357	90.965	0.000	0.8
1930	0.0	1.353	90.713	0.000	0.8
1935	0.0	1.349	90.462	0.000	0.8
1940	0.0	1.345	90.212	0.000	0.8
1945	0.0	1.342	89.963	0.000	0.8
1950	0.0	1.338	89.714	0.000	0.8
1955	0.0	1.334	89.467	0.000	0.8
1960	0.0	1.331	89.219	0.000	0.8
1965	0.0	1.327	88.973	0.000	0.8
1970	0.0	1.323	88.727	0.000	0.8
1975	0.0	1.320	88.482	0.000	0.8
1980	0.0	1.316	88.237	0.000	0.8
1985	0.0	1.312	87.993	0.000	0.8
1990	0.0	1.309	87.750	0.000	0.8
1995	0.0	1.305	87.507	0.000	0.8
2000	0.0	1.302	87.265	0.000	0.8
2005	0.0	1.298	87.024	0.000	0.8
2010	0.0	1.294	86.784	0.000	0.8

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
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	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
2015	0.0	1.291	86.544	0.000	0.8
2020	0.0	1.287	86.305	0.000	0.8
2025	0.0	1.284	86.066	0.000	0.8
2030	0.0	1.280	85.828	0.000	0.8
2035	0.0	1.277	85.591	0.000	0.8
2040	0.0	1.273	85.355	0.000	0.8
2045	0.0	1.270	85.119	0.000	0.8
2050	0.0	1.266	84.883	0.000	0.8
2055	0.0	1.262	84.649	0.000	0.8
2060	0.0	1.259	84.415	0.000	0.8
2065	0.0	1.256	84.181	0.000	0.8
2070	0.0	1.252	83.949	0.000	0.8
2075	0.0	1.249	83.717	0.000	0.8
2080	0.0	1.245	83.485	0.000	0.8
2085	0.0	1.242	83.255	0.000	0.8
2090	0.0	1.238	83.025	0.000	0.8
2095	0.0	1.235	82.795	0.000	0.8
2100	0.0	1.231	82.566	0.000	0.8
2105	0.0	1.228	82.338	0.000	0.8
2110	0.0	1.225	82.110	0.000	0.8
2115	0.0	1.221	81.883	0.000	0.8
2120	0.0	1.218	81.657	0.000	0.8
2125	0.0	1.215	81.431	0.000	0.8
2130	0.0	1.211	81.206	0.000	0.7
2135	0.0	1.208	80.982	0.000	0.7
2140	0.0	1.204	80.758	0.000	0.7
2145	0.0	1.201	80.535	0.000	0.7
2150	0.0	1.198	80.312	0.000	0.7
2155	0.0	1.195	80.090	0.000	0.7
2160	0.0	1.191	79.869	0.000	0.7
2165	0.0	1.188	79.648	0.000	0.7
2170	0.0	1.185	79.428	0.000	0.7
2175	0.0	1.181	79.209	0.000	0.7
2180	0.0	1.178	78.990	0.000	0.7
2185	0.0	1.175	78.771	0.000	0.7
2190	0.0	1.172	78.554	0.000	0.7
2195	0.0	1.168	78.337	0.000	0.7
2200	0.0	1.165	78.120	0.000	0.7
2205	0.0	1.162	77.904	0.000	0.7
2210	0.0	1.159	77.689	0.000	0.7
2215	0.0	1.155	77.474	0.000	0.7
2220	0.0	1.152	77.260	0.000	0.7
2225	0.0	1.149	77.046	0.000	0.7
2230	0.0	1.146	76.833	0.000	0.7
2235	0.0	1.143	76.621	0.000	0.7
2240	0.0	1.140	76.409	0.000	0.7
2245	0.0	1.136	76.198	0.000	0.7
2250	0.0	1.133	75.988	0.000	0.7
2255	0.0	1.130	75.778	0.000	0.7
2260	0.0	1.127	75.568	0.000	0.7
2265	0.0	1.124	75.359	0.000	0.7
2270	0.0	1.121	75.151	0.000	0.7
2275	0.0	1.118	74.943	0.000	0.7
2280	0.0	1.115	74.736	0.000	0.7
2285	0.0	1.112	74.530	0.000	0.7
2290	0.0	1.108	74.324	0.000	0.7
2295	0.0	1.105	74.118	0.000	0.7
2300	0.0	1.102	73.913	0.000	0.7

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
2305	0.0	1.099	73.709	0.000	0.7
2310	0.0	1.096	73.505	0.000	0.7
2315	0.0	1.093	73.302	0.000	0.7
2320	0.0	1.090	73.099	0.000	0.7
2325	0.0	1.087	72.897	0.000	0.7
2330	0.0	1.084	72.696	0.000	0.7
2335	0.0	1.081	72.495	0.000	0.7
2340	0.0	1.078	72.295	0.000	0.7
2345	0.0	1.075	72.095	0.000	0.7
2350	0.0	1.072	71.896	0.000	0.7
2355	0.0	1.069	71.697	0.000	0.7
2360	0.0	1.066	71.499	0.000	0.7
2365	0.0	1.063	71.301	0.000	0.7
2370	0.0	1.060	71.104	0.000	0.7
2375	0.0	1.058	70.908	0.000	0.7
2380	0.0	1.055	70.712	0.000	0.7
2385	0.0	1.052	70.516	0.000	0.7
2390	0.0	1.049	70.321	0.000	0.6
2395	0.0	1.046	70.127	0.000	0.6
2400	0.0	1.043	69.933	0.000	0.6
2405	0.0	1.040	69.740	0.000	0.6
2410	0.0	1.037	69.547	0.000	0.6
2415	0.0	1.034	69.355	0.000	0.6
2420	0.0	1.032	69.163	0.000	0.6
2425	0.0	1.029	68.972	0.000	0.6
2430	0.0	1.026	68.781	0.000	0.6
2435	0.0	1.023	68.591	0.000	0.6
2440	0.0	1.020	68.402	0.000	0.6
2445	0.0	1.017	68.213	0.000	0.6
2450	0.0	1.015	68.024	0.000	0.6
2455	0.0	1.012	67.836	0.000	0.6
2460	0.0	1.009	67.648	0.000	0.6
2465	0.0	1.006	67.462	0.000	0.6
2470	0.0	1.003	67.275	0.000	0.6
2475	0.0	1.001	67.089	0.000	0.6
2480	0.0	0.998	66.904	0.000	0.6
2485	0.0	0.995	66.719	0.000	0.6
2490	0.0	0.992	66.534	0.000	0.6
2495	0.0	0.990	66.350	0.000	0.6
2500	0.0	0.987	66.167	0.000	0.6
2505	0.0	0.984	65.984	0.000	0.6
2510	0.0	0.981	65.802	0.000	0.6
2515	0.0	0.979	65.620	0.000	0.6
2520	0.0	0.976	65.439	0.000	0.6
2525	0.0	0.973	65.258	0.000	0.6
2530	0.0	0.971	65.077	0.000	0.6
2535	0.0	0.968	64.898	0.000	0.6
2540	0.0	0.965	64.718	0.000	0.6
2545	0.0	0.963	64.539	0.000	0.6
2550	0.0	0.960	64.361	0.000	0.6
2555	0.0	0.957	64.183	0.000	0.6
2560	0.0	0.955	64.006	0.000	0.6
2565	0.0	0.952	63.829	0.000	0.6
2570	0.0	0.949	63.652	0.000	0.6
2575	0.0	0.947	63.476	0.000	0.6
2580	0.0	0.944	63.301	0.000	0.6
2585	0.0	0.941	63.126	0.000	0.6
2590	0.0	0.939	62.951	0.000	0.6

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

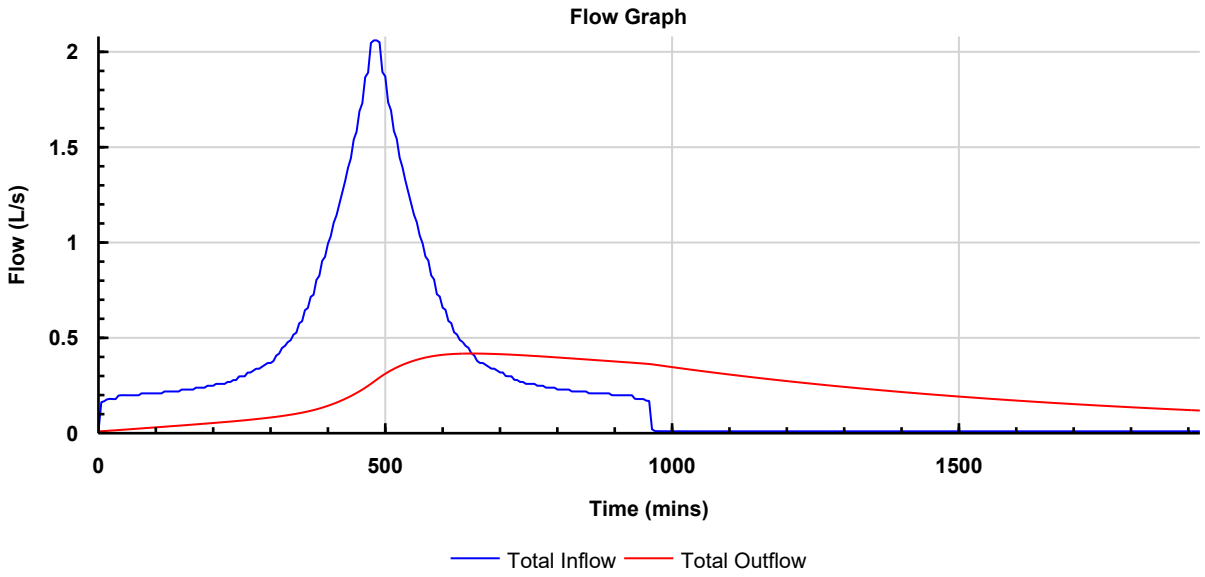
Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
2595	0.0	0.936	62.777	0.000	0.6
2600	0.0	0.934	62.604	0.000	0.6
2605	0.0	0.931	62.431	0.000	0.6
2610	0.0	0.929	62.258	0.000	0.6
2615	0.0	0.926	62.086	0.000	0.6
2620	0.0	0.923	61.915	0.000	0.6
2625	0.0	0.921	61.744	0.000	0.6
2630	0.0	0.918	61.573	0.000	0.6
2635	0.0	0.916	61.403	0.000	0.6
2640	0.0	0.913	61.233	0.000	0.6
2645	0.0	0.911	61.064	0.000	0.6
2650	0.0	0.908	60.895	0.000	0.6
2655	0.0	0.906	60.727	0.000	0.6
2660	0.0	0.903	60.559	0.000	0.6
2665	0.0	0.901	60.392	0.000	0.6
2670	0.0	0.898	60.225	0.000	0.6
2675	0.0	0.896	60.058	0.000	0.6
2680	0.0	0.893	59.892	0.000	0.6
2685	0.0	0.891	59.727	0.000	0.6
2690	0.0	0.888	59.562	0.000	0.5
2695	0.0	0.886	59.397	0.000	0.5
2700	0.0	0.883	59.233	0.000	0.5
2705	0.0	0.881	59.069	0.000	0.5
2710	0.0	0.879	58.906	0.000	0.5
2715	0.0	0.876	58.743	0.000	0.5
2720	0.0	0.874	58.581	0.000	0.5
2725	0.0	0.871	58.419	0.000	0.5
2730	0.0	0.869	58.257	0.000	0.5
2735	0.0	0.866	58.096	0.000	0.5
2740	0.0	0.864	57.936	0.000	0.5
2745	0.0	0.862	57.776	0.000	0.5
2750	0.0	0.859	57.616	0.000	0.5
2755	0.0	0.857	57.457	0.000	0.5
2760	0.0	0.855	57.298	0.000	0.5
2765	0.0	0.852	57.139	0.000	0.5
2770	0.0	0.850	56.981	0.000	0.5
2775	0.0	0.848	56.824	0.000	0.5
2780	0.0	0.845	56.667	0.000	0.5
2785	0.0	0.843	56.510	0.000	0.5
2790	0.0	0.840	56.354	0.000	0.5
2795	0.0	0.838	56.198	0.000	0.5
2800	0.0	0.836	56.043	0.000	0.5
2805	0.0	0.834	55.888	0.000	0.5
2810	0.0	0.831	55.734	0.000	0.5
2815	0.0	0.829	55.580	0.000	0.5
2820	0.0	0.827	55.426	0.000	0.5
2825	0.0	0.824	55.273	0.000	0.5
2830	0.0	0.822	55.120	0.000	0.5
2835	0.0	0.820	54.968	0.000	0.5
2840	0.0	0.818	54.816	0.000	0.5
2845	0.0	0.815	54.664	0.000	0.5
2850	0.0	0.813	54.513	0.000	0.5
2855	0.0	0.811	54.363	0.000	0.5
2860	0.0	0.809	54.212	0.000	0.5
2865	0.0	0.806	54.062	0.000	0.5
2870	0.0	0.804	53.913	0.000	0.5
2875	0.0	0.802	53.764	0.000	0.5
2880	0.0	0.800	53.613	0.000	0.5

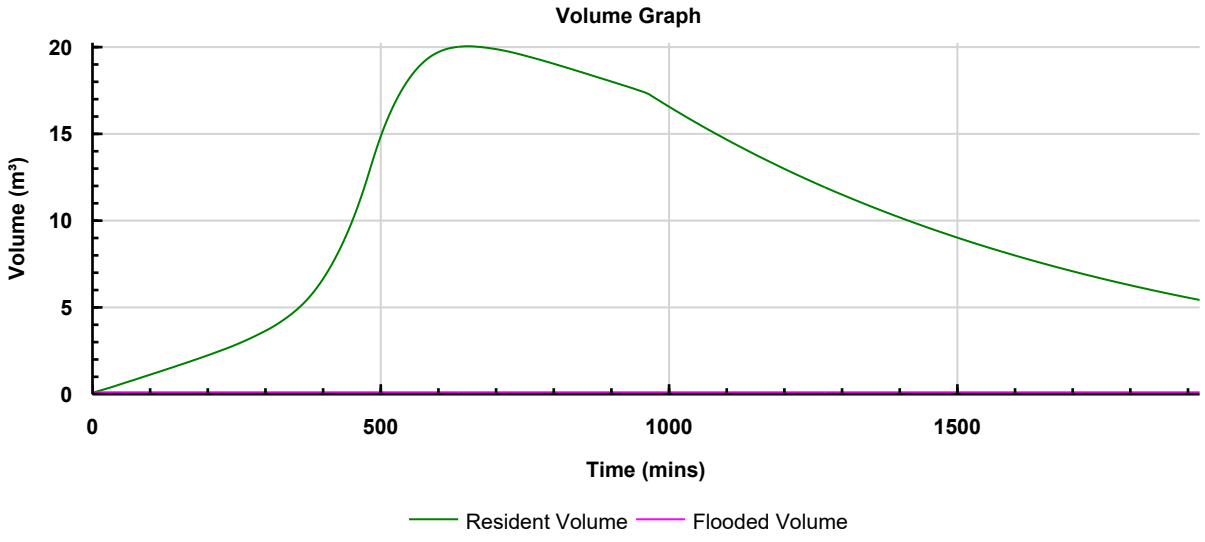
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Soakaway 2
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 960 mins: Summer

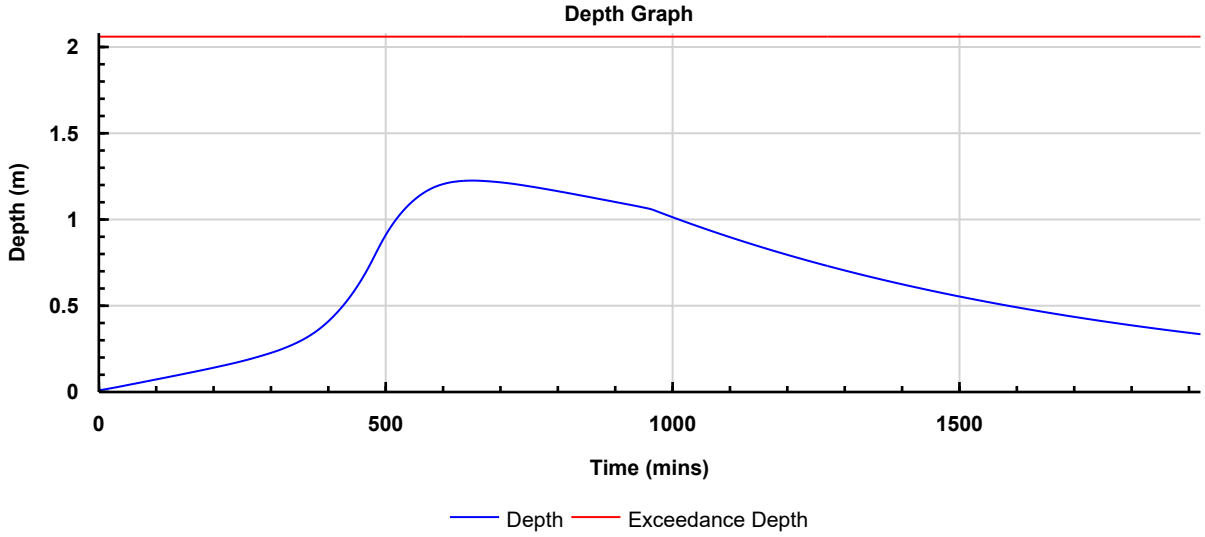
Type : Soakaway

Graphs





Project - 2080: Ramsbury Manor - Estate Yard	Date: 22/08/2025		
	Designed by: GB	Checked by:	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Phase	Company Address: AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.2	0.001	0.021	0.000	0.0
10	0.2	0.004	0.069	0.000	0.0
15	0.2	0.007	0.117	0.000	0.0
20	0.2	0.010	0.167	0.000	0.0
25	0.2	0.013	0.217	0.000	0.0
30	0.2	0.016	0.267	0.000	0.0
35	0.2	0.019	0.319	0.000	0.0
40	0.2	0.023	0.373	0.000	0.0
45	0.2	0.026	0.428	0.000	0.0
50	0.2	0.029	0.482	0.000	0.0
55	0.2	0.033	0.536	0.000	0.0
60	0.2	0.036	0.589	0.000	0.0
65	0.2	0.039	0.643	0.000	0.0
70	0.2	0.042	0.696	0.000	0.0
75	0.2	0.046	0.750	0.000	0.0
80	0.2	0.049	0.805	0.000	0.0
85	0.2	0.052	0.860	0.000	0.0
90	0.2	0.056	0.914	0.000	0.0
95	0.2	0.059	0.968	0.000	0.0
100	0.2	0.062	1.022	0.000	0.0
105	0.2	0.066	1.076	0.000	0.0
110	0.2	0.069	1.129	0.000	0.0
115	0.2	0.072	1.183	0.000	0.0
120	0.2	0.075	1.239	0.000	0.0
125	0.2	0.079	1.294	0.000	0.0
130	0.2	0.082	1.349	0.000	0.0
135	0.2	0.086	1.404	0.000	0.0
140	0.2	0.089	1.458	0.000	0.0
145	0.2	0.092	1.513	0.000	0.0
150	0.2	0.096	1.570	0.000	0.0
155	0.2	0.099	1.626	0.000	0.0
160	0.2	0.102	1.682	0.000	0.0
165	0.2	0.106	1.737	0.000	0.0
170	0.2	0.109	1.794	0.000	0.0
175	0.2	0.113	1.852	0.000	0.0
180	0.2	0.116	1.909	0.000	0.0
185	0.2	0.120	1.966	0.000	0.0
190	0.2	0.123	2.025	0.000	0.0
195	0.2	0.127	2.084	0.000	0.0
200	0.2	0.131	2.143	0.000	0.0
205	0.2	0.134	2.203	0.000	0.0
210	0.2	0.138	2.264	0.000	0.0
215	0.2	0.142	2.325	0.000	0.0
220	0.2	0.145	2.386	0.000	0.0
225	0.3	0.149	2.447	0.000	0.1
230	0.3	0.153	2.510	0.000	0.1
235	0.3	0.157	2.574	0.000	0.1
240	0.3	0.161	2.639	0.000	0.1
245	0.3	0.165	2.707	0.000	0.1
250	0.3	0.169	2.777	0.000	0.1
255	0.3	0.173	2.846	0.000	0.1
260	0.3	0.178	2.919	0.000	0.1
265	0.3	0.182	2.993	0.000	0.1
270	0.3	0.187	3.069	0.000	0.1

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
275	0.3	0.192	3.148	0.000	0.1
280	0.3	0.197	3.227	0.000	0.1
285	0.3	0.201	3.307	0.000	0.1
290	0.3	0.207	3.390	0.000	0.1
295	0.4	0.212	3.476	0.000	0.1
300	0.4	0.217	3.561	0.000	0.1
305	0.4	0.222	3.648	0.000	0.1
310	0.4	0.228	3.741	0.000	0.1
315	0.4	0.234	3.839	0.000	0.1
320	0.4	0.240	3.942	0.000	0.1
325	0.4	0.247	4.051	0.000	0.1
330	0.5	0.254	4.164	0.000	0.1
335	0.5	0.261	4.281	0.000	0.1
340	0.5	0.268	4.402	0.000	0.1
345	0.5	0.276	4.529	0.000	0.1
350	0.6	0.284	4.664	0.000	0.1
355	0.6	0.293	4.808	0.000	0.1
360	0.6	0.302	4.958	0.000	0.1
365	0.6	0.312	5.121	0.000	0.1
370	0.7	0.323	5.292	0.000	0.1
375	0.7	0.334	5.474	0.000	0.1
380	0.8	0.345	5.667	0.000	0.1
385	0.8	0.358	5.874	0.000	0.1
390	0.9	0.371	6.094	0.000	0.1
395	0.9	0.386	6.329	0.000	0.1
400	1.0	0.401	6.575	0.000	0.1
405	1.0	0.417	6.836	0.000	0.1
410	1.1	0.434	7.112	0.000	0.1
415	1.1	0.451	7.403	0.000	0.2
420	1.2	0.470	7.707	0.000	0.2
425	1.3	0.489	8.027	0.000	0.2
430	1.3	0.510	8.363	0.000	0.2
435	1.4	0.531	8.717	0.000	0.2
440	1.4	0.554	9.086	0.000	0.2
445	1.5	0.578	9.475	0.000	0.2
450	1.6	0.602	9.883	0.000	0.2
455	1.7	0.628	10.310	0.000	0.2
460	1.7	0.656	10.758	0.000	0.2
465	1.9	0.684	11.229	0.000	0.2
470	1.9	0.714	11.723	0.000	0.2
475	2.0	0.746	12.239	0.000	0.3
480	2.1	0.779	12.778	0.000	0.3
485	2.1	0.812	13.320	0.000	0.3
490	2.1	0.844	13.851	0.000	0.3
495	1.9	0.875	14.357	0.000	0.3
500	1.9	0.904	14.832	0.000	0.3
505	1.7	0.931	15.281	0.000	0.3
510	1.7	0.957	15.700	0.000	0.3
515	1.6	0.981	16.093	0.000	0.3
520	1.5	1.003	16.461	0.000	0.3
525	1.4	1.024	16.807	0.000	0.3
530	1.4	1.044	17.128	0.000	0.4
535	1.3	1.062	17.430	0.000	0.4
540	1.3	1.079	17.710	0.000	0.4
545	1.2	1.095	17.970	0.000	0.4
550	1.1	1.109	18.211	0.000	0.4
555	1.1	1.123	18.435	0.000	0.4
560	1.0	1.136	18.642	0.000	0.4

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
565	1.0	1.147	18.830	0.000	0.4
570	0.9	1.158	19.002	0.000	0.4
575	0.9	1.167	19.158	0.000	0.4
580	0.8	1.176	19.299	0.000	0.4
585	0.8	1.183	19.423	0.000	0.4
590	0.7	1.190	19.533	0.000	0.4
595	0.7	1.196	19.627	0.000	0.4
600	0.7	1.201	19.712	0.000	0.4
605	0.6	1.205	19.784	0.000	0.4
610	0.6	1.209	19.846	0.000	0.4
615	0.6	1.212	19.897	0.000	0.4
620	0.5	1.215	19.939	0.000	0.4
625	0.5	1.216	19.971	0.000	0.4
630	0.5	1.218	19.998	0.000	0.4
635	0.5	1.219	20.018	0.000	0.4
640	0.5	1.220	20.033	0.000	0.4
645	0.4	1.221	20.044	0.000	0.4
650	0.4	1.221	20.049	0.000	0.4
655	0.4	1.221	20.048	0.000	0.4
660	0.4	1.221	20.041	0.000	0.4
665	0.4	1.220	20.028	0.000	0.4
670	0.4	1.219	20.013	0.000	0.4
675	0.4	1.218	19.997	0.000	0.4
680	0.3	1.217	19.978	0.000	0.4
685	0.3	1.215	19.956	0.000	0.4
690	0.3	1.214	19.933	0.000	0.4
695	0.3	1.213	19.908	0.000	0.4
700	0.3	1.211	19.881	0.000	0.4
705	0.3	1.209	19.852	0.000	0.4
710	0.3	1.207	19.821	0.000	0.4
715	0.3	1.205	19.786	0.000	0.4
720	0.3	1.203	19.752	0.000	0.4
725	0.3	1.201	19.715	0.000	0.4
730	0.3	1.198	19.675	0.000	0.4
735	0.3	1.196	19.635	0.000	0.4
740	0.3	1.193	19.592	0.000	0.4
745	0.3	1.191	19.549	0.000	0.4
750	0.3	1.188	19.504	0.000	0.4
755	0.3	1.185	19.460	0.000	0.4
760	0.3	1.183	19.415	0.000	0.4
765	0.2	1.180	19.370	0.000	0.4
770	0.2	1.177	19.323	0.000	0.4
775	0.2	1.174	19.277	0.000	0.4
780	0.2	1.171	19.230	0.000	0.4
785	0.2	1.168	19.181	0.000	0.4
790	0.2	1.165	19.132	0.000	0.4
795	0.2	1.162	19.084	0.000	0.4
800	0.2	1.159	19.035	0.000	0.4
805	0.2	1.156	18.984	0.000	0.4
810	0.2	1.153	18.934	0.000	0.4
815	0.2	1.150	18.884	0.000	0.4
820	0.2	1.147	18.834	0.000	0.4
825	0.2	1.144	18.783	0.000	0.4
830	0.2	1.141	18.731	0.000	0.4
835	0.2	1.138	18.679	0.000	0.4
840	0.2	1.135	18.628	0.000	0.4
845	0.2	1.131	18.577	0.000	0.4
850	0.2	1.128	18.526	0.000	0.4

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
855	0.2	1.125	18.475	0.000	0.4
860	0.2	1.122	18.421	0.000	0.4
865	0.2	1.119	18.369	0.000	0.4
870	0.2	1.116	18.316	0.000	0.4
875	0.2	1.112	18.264	0.000	0.4
880	0.2	1.109	18.212	0.000	0.4
885	0.2	1.106	18.160	0.000	0.4
890	0.2	1.103	18.109	0.000	0.4
895	0.2	1.100	18.057	0.000	0.4
900	0.2	1.096	18.003	0.000	0.4
905	0.2	1.093	17.950	0.000	0.4
910	0.2	1.090	17.897	0.000	0.4
915	0.2	1.087	17.844	0.000	0.4
920	0.2	1.084	17.792	0.000	0.4
925	0.2	1.080	17.740	0.000	0.4
930	0.2	1.077	17.688	0.000	0.4
935	0.2	1.074	17.635	0.000	0.4
940	0.2	1.071	17.578	0.000	0.4
945	0.2	1.067	17.520	0.000	0.4
950	0.2	1.064	17.465	0.000	0.4
955	0.2	1.060	17.408	0.000	0.4
960	0.2	1.057	17.349	0.000	0.4
965	0.0	1.052	17.271	0.000	0.4
970	0.0	1.045	17.164	0.000	0.4
975	0.0	1.039	17.059	0.000	0.3
980	0.0	1.033	16.957	0.000	0.3
985	0.0	1.026	16.855	0.000	0.3
990	0.0	1.020	16.750	0.000	0.3
995	0.0	1.014	16.646	0.000	0.3
1000	0.0	1.008	16.546	0.000	0.3
1005	0.0	1.001	16.446	0.000	0.3
1010	0.0	0.995	16.342	0.000	0.3
1015	0.0	0.989	16.245	0.000	0.3
1020	0.0	0.983	16.143	0.000	0.3
1025	0.0	0.977	16.046	0.000	0.3
1030	0.0	0.971	15.947	0.000	0.3
1035	0.0	0.965	15.850	0.000	0.3
1040	0.0	0.959	15.754	0.000	0.3
1045	0.0	0.954	15.655	0.000	0.3
1050	0.0	0.948	15.562	0.000	0.3
1055	0.0	0.942	15.464	0.000	0.3
1060	0.0	0.936	15.371	0.000	0.3
1065	0.0	0.930	15.276	0.000	0.3
1070	0.0	0.925	15.184	0.000	0.3
1075	0.0	0.919	15.094	0.000	0.3
1080	0.0	0.913	14.998	0.000	0.3
1085	0.0	0.908	14.910	0.000	0.3
1090	0.0	0.902	14.819	0.000	0.3
1095	0.0	0.897	14.728	0.000	0.3
1100	0.0	0.891	14.635	0.000	0.3
1105	0.0	0.886	14.547	0.000	0.3
1110	0.0	0.880	14.457	0.000	0.3
1115	0.0	0.875	14.370	0.000	0.3
1120	0.0	0.870	14.280	0.000	0.3
1125	0.0	0.864	14.196	0.000	0.3
1130	0.0	0.859	14.107	0.000	0.3
1135	0.0	0.854	14.022	0.000	0.3
1140	0.0	0.849	13.934	0.000	0.3

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1145	0.0	0.843	13.850	0.000	0.3
1150	0.0	0.838	13.763	0.000	0.3
1155	0.0	0.833	13.679	0.000	0.3
1160	0.0	0.828	13.599	0.000	0.3
1165	0.0	0.823	13.513	0.000	0.3
1170	0.0	0.818	13.433	0.000	0.3
1175	0.0	0.813	13.348	0.000	0.3
1180	0.0	0.808	13.269	0.000	0.3
1185	0.0	0.803	13.188	0.000	0.3
1190	0.0	0.798	13.105	0.000	0.3
1195	0.0	0.793	13.024	0.000	0.3
1200	0.0	0.788	12.944	0.000	0.3
1205	0.0	0.784	12.866	0.000	0.3
1210	0.0	0.779	12.787	0.000	0.3
1215	0.0	0.774	12.708	0.000	0.3
1220	0.0	0.769	12.631	0.000	0.3
1225	0.0	0.765	12.553	0.000	0.3
1230	0.0	0.760	12.477	0.000	0.3
1235	0.0	0.755	12.400	0.000	0.3
1240	0.0	0.751	12.324	0.000	0.3
1245	0.0	0.746	12.250	0.000	0.3
1250	0.0	0.741	12.174	0.000	0.2
1255	0.0	0.737	12.101	0.000	0.2
1260	0.0	0.732	12.026	0.000	0.2
1265	0.0	0.728	11.952	0.000	0.2
1270	0.0	0.724	11.880	0.000	0.2
1275	0.0	0.719	11.807	0.000	0.2
1280	0.0	0.715	11.734	0.000	0.2
1285	0.0	0.710	11.663	0.000	0.2
1290	0.0	0.706	11.591	0.000	0.2
1295	0.0	0.702	11.521	0.000	0.2
1300	0.0	0.697	11.453	0.000	0.2
1305	0.0	0.693	11.383	0.000	0.2
1310	0.0	0.689	11.313	0.000	0.2
1315	0.0	0.685	11.244	0.000	0.2
1320	0.0	0.680	11.175	0.000	0.2
1325	0.0	0.676	11.107	0.000	0.2
1330	0.0	0.672	11.039	0.000	0.2
1335	0.0	0.668	10.971	0.000	0.2
1340	0.0	0.664	10.904	0.000	0.2
1345	0.0	0.660	10.837	0.000	0.2
1350	0.0	0.656	10.771	0.000	0.2
1355	0.0	0.652	10.705	0.000	0.2
1360	0.0	0.648	10.640	0.000	0.2
1365	0.0	0.644	10.575	0.000	0.2
1370	0.0	0.640	10.510	0.000	0.2
1375	0.0	0.636	10.446	0.000	0.2
1380	0.0	0.632	10.382	0.000	0.2
1385	0.0	0.628	10.318	0.000	0.2
1390	0.0	0.624	10.255	0.000	0.2
1395	0.0	0.621	10.192	0.000	0.2
1400	0.0	0.617	10.130	0.000	0.2
1405	0.0	0.613	10.068	0.000	0.2
1410	0.0	0.609	10.006	0.000	0.2
1415	0.0	0.606	9.945	0.000	0.2
1420	0.0	0.602	9.884	0.000	0.2
1425	0.0	0.598	9.824	0.000	0.2
1430	0.0	0.595	9.764	0.000	0.2

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1435	0.0	0.591	9.704	0.000	0.2
1440	0.0	0.587	9.645	0.000	0.2
1445	0.0	0.584	9.586	0.000	0.2
1450	0.0	0.580	9.527	0.000	0.2
1455	0.0	0.577	9.469	0.000	0.2
1460	0.0	0.573	9.411	0.000	0.2
1465	0.0	0.570	9.353	0.000	0.2
1470	0.0	0.566	9.296	0.000	0.2
1475	0.0	0.563	9.239	0.000	0.2
1480	0.0	0.559	9.183	0.000	0.2
1485	0.0	0.556	9.127	0.000	0.2
1490	0.0	0.552	9.071	0.000	0.2
1495	0.0	0.549	9.015	0.000	0.2
1500	0.0	0.546	8.960	0.000	0.2
1505	0.0	0.542	8.905	0.000	0.2
1510	0.0	0.539	8.851	0.000	0.2
1515	0.0	0.536	8.797	0.000	0.2
1520	0.0	0.532	8.743	0.000	0.2
1525	0.0	0.529	8.689	0.000	0.2
1530	0.0	0.526	8.636	0.000	0.2
1535	0.0	0.523	8.583	0.000	0.2
1540	0.0	0.519	8.531	0.000	0.2
1545	0.0	0.516	8.479	0.000	0.2
1550	0.0	0.513	8.427	0.000	0.2
1555	0.0	0.510	8.375	0.000	0.2
1560	0.0	0.507	8.324	0.000	0.2
1565	0.0	0.504	8.273	0.000	0.2
1570	0.0	0.501	8.222	0.000	0.2
1575	0.0	0.498	8.172	0.000	0.2
1580	0.0	0.495	8.122	0.000	0.2
1585	0.0	0.492	8.072	0.000	0.2
1590	0.0	0.489	8.023	0.000	0.2
1595	0.0	0.486	7.974	0.000	0.2
1600	0.0	0.483	7.925	0.000	0.2
1605	0.0	0.480	7.877	0.000	0.2
1610	0.0	0.477	7.829	0.000	0.2
1615	0.0	0.474	7.781	0.000	0.2
1620	0.0	0.471	7.733	0.000	0.2
1625	0.0	0.468	7.686	0.000	0.2
1630	0.0	0.465	7.639	0.000	0.2
1635	0.0	0.462	7.592	0.000	0.2
1640	0.0	0.459	7.546	0.000	0.2
1645	0.0	0.457	7.499	0.000	0.2
1650	0.0	0.454	7.454	0.000	0.2
1655	0.0	0.451	7.408	0.000	0.2
1660	0.0	0.448	7.363	0.000	0.2
1665	0.0	0.446	7.318	0.000	0.1
1670	0.0	0.443	7.273	0.000	0.1
1675	0.0	0.440	7.228	0.000	0.1
1680	0.0	0.437	7.184	0.000	0.1
1685	0.0	0.435	7.140	0.000	0.1
1690	0.0	0.432	7.096	0.000	0.1
1695	0.0	0.429	7.053	0.000	0.1
1700	0.0	0.427	7.010	0.000	0.1
1705	0.0	0.424	6.967	0.000	0.1
1710	0.0	0.422	6.924	0.000	0.1
1715	0.0	0.419	6.882	0.000	0.1
1720	0.0	0.416	6.840	0.000	0.1

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1725	0.0	0.414	6.798	0.000	0.1
1730	0.0	0.411	6.757	0.000	0.1
1735	0.0	0.409	6.715	0.000	0.1
1740	0.0	0.406	6.674	0.000	0.1
1745	0.0	0.404	6.633	0.000	0.1
1750	0.0	0.401	6.593	0.000	0.1
1755	0.0	0.399	6.552	0.000	0.1
1760	0.0	0.397	6.512	0.000	0.1
1765	0.0	0.394	6.472	0.000	0.1
1770	0.0	0.392	6.433	0.000	0.1
1775	0.0	0.389	6.394	0.000	0.1
1780	0.0	0.387	6.354	0.000	0.1
1785	0.0	0.385	6.316	0.000	0.1
1790	0.0	0.382	6.277	0.000	0.1
1795	0.0	0.380	6.239	0.000	0.1
1800	0.0	0.378	6.200	0.000	0.1
1805	0.0	0.375	6.162	0.000	0.1
1810	0.0	0.373	6.125	0.000	0.1
1815	0.0	0.371	6.087	0.000	0.1
1820	0.0	0.368	6.050	0.000	0.1
1825	0.0	0.366	6.013	0.000	0.1
1830	0.0	0.364	5.976	0.000	0.1
1835	0.0	0.362	5.940	0.000	0.1
1840	0.0	0.359	5.903	0.000	0.1
1845	0.0	0.357	5.867	0.000	0.1
1850	0.0	0.355	5.831	0.000	0.1
1855	0.0	0.353	5.796	0.000	0.1
1860	0.0	0.351	5.760	0.000	0.1
1865	0.0	0.349	5.725	0.000	0.1
1870	0.0	0.346	5.690	0.000	0.1
1875	0.0	0.344	5.655	0.000	0.1
1880	0.0	0.342	5.621	0.000	0.1
1885	0.0	0.340	5.586	0.000	0.1
1890	0.0	0.338	5.552	0.000	0.1
1895	0.0	0.336	5.518	0.000	0.1
1900	0.0	0.334	5.484	0.000	0.1
1905	0.0	0.332	5.451	0.000	0.1
1910	0.0	0.330	5.417	0.000	0.1
1915	0.0	0.328	5.384	0.000	0.1
1920	0.0	0.326	5.351	0.000	0.1

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
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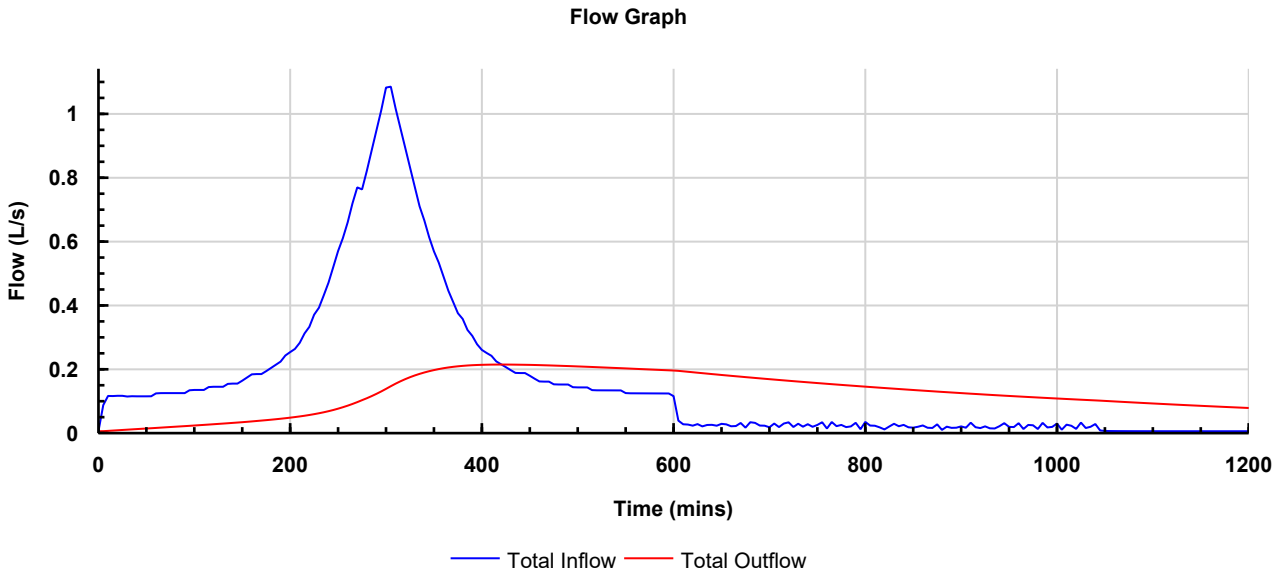
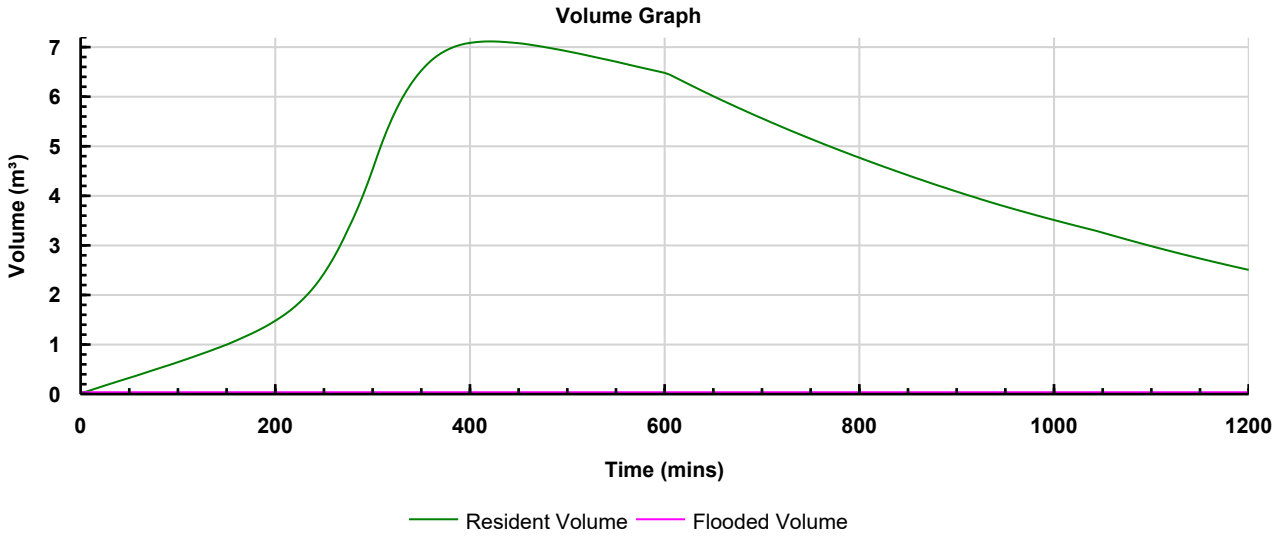
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Soakaway 3
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 600 mins: Summer

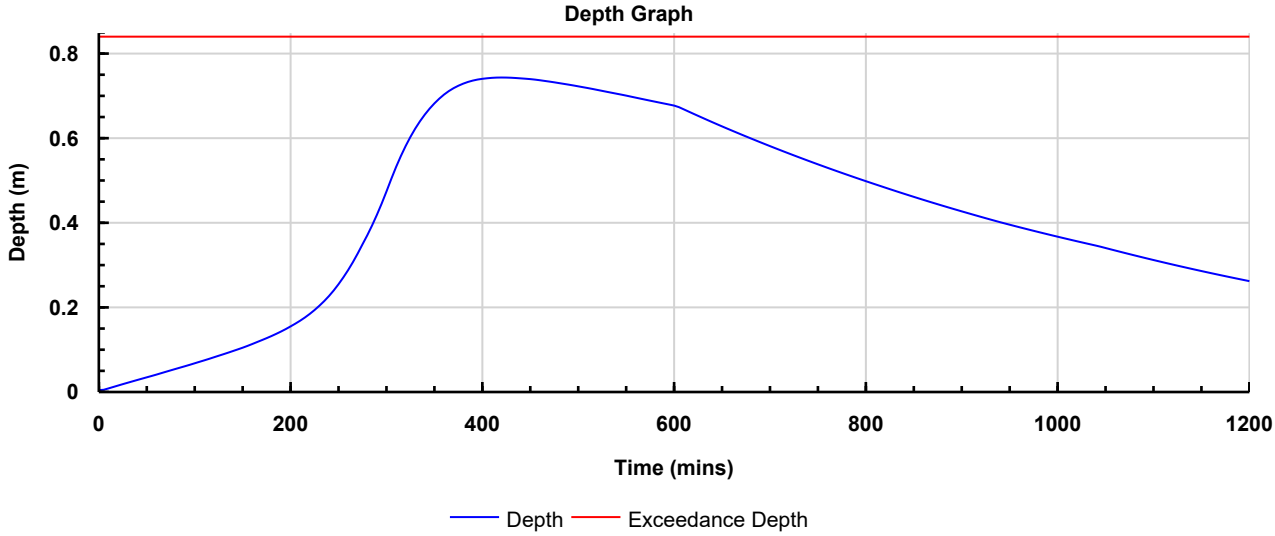
Type : Soakaway

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.1	0.001	0.007	0.000	0.0
10	0.1	0.004	0.039	0.000	0.0
15	0.1	0.007	0.071	0.000	0.0
20	0.1	0.011	0.103	0.000	0.0
25	0.1	0.014	0.136	0.000	0.0
30	0.1	0.017	0.167	0.000	0.0
35	0.1	0.021	0.199	0.000	0.0
40	0.1	0.024	0.230	0.000	0.0
45	0.1	0.027	0.260	0.000	0.0
50	0.1	0.030	0.291	0.000	0.0
55	0.1	0.034	0.321	0.000	0.0
60	0.1	0.037	0.353	0.000	0.0
65	0.1	0.040	0.385	0.000	0.0
70	0.1	0.044	0.418	0.000	0.0
75	0.1	0.047	0.450	0.000	0.0
80	0.1	0.050	0.482	0.000	0.0
85	0.1	0.054	0.513	0.000	0.0
90	0.1	0.057	0.545	0.000	0.0
95	0.1	0.060	0.577	0.000	0.0
100	0.1	0.064	0.611	0.000	0.0
105	0.1	0.067	0.644	0.000	0.0
110	0.1	0.071	0.677	0.000	0.0
115	0.1	0.074	0.711	0.000	0.0
120	0.1	0.078	0.747	0.000	0.0
125	0.1	0.082	0.782	0.000	0.0
130	0.1	0.085	0.817	0.000	0.0
135	0.1	0.089	0.853	0.000	0.0
140	0.2	0.093	0.890	0.000	0.0
145	0.2	0.097	0.927	0.000	0.0
150	0.2	0.101	0.965	0.000	0.0
155	0.2	0.105	1.006	0.000	0.0
160	0.2	0.110	1.049	0.000	0.0
165	0.2	0.114	1.093	0.000	0.0
170	0.2	0.119	1.137	0.000	0.0
175	0.2	0.123	1.182	0.000	0.0
180	0.2	0.128	1.230	0.000	0.0
185	0.2	0.134	1.280	0.000	0.0
190	0.2	0.139	1.333	0.000	0.0
195	0.2	0.145	1.389	0.000	0.0
200	0.2	0.151	1.449	0.000	0.0
205	0.3	0.158	1.512	0.000	0.0
210	0.3	0.165	1.579	0.000	0.0
215	0.3	0.173	1.653	0.000	0.0
220	0.3	0.181	1.734	0.000	0.1
225	0.4	0.190	1.822	0.000	0.1
230	0.4	0.200	1.918	0.000	0.1
235	0.4	0.211	2.022	0.000	0.1
240	0.5	0.223	2.138	0.000	0.1
245	0.5	0.237	2.266	0.000	0.1
250	0.6	0.252	2.408	0.000	0.1
255	0.6	0.268	2.562	0.000	0.1
260	0.7	0.285	2.729	0.000	0.1
265	0.7	0.304	2.910	0.000	0.1
270	0.8	0.325	3.106	0.000	0.1

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
275	0.8	0.346	3.315	0.000	0.1
280	0.8	0.368	3.521	0.000	0.1
285	0.9	0.391	3.747	0.000	0.1
290	0.9	0.416	3.988	0.000	0.1
295	1.0	0.443	4.245	0.000	0.1
300	1.1	0.472	4.519	0.000	0.1
305	1.1	0.502	4.803	0.000	0.1
310	1.0	0.530	5.075	0.000	0.1
315	1.0	0.556	5.325	0.000	0.2
320	0.9	0.580	5.554	0.000	0.2
325	0.8	0.602	5.763	0.000	0.2
330	0.8	0.621	5.951	0.000	0.2
335	0.7	0.639	6.118	0.000	0.2
340	0.7	0.655	6.269	0.000	0.2
345	0.6	0.669	6.404	0.000	0.2
350	0.6	0.681	6.524	0.000	0.2
355	0.5	0.692	6.630	0.000	0.2
360	0.5	0.702	6.724	0.000	0.2
365	0.4	0.711	6.804	0.000	0.2
370	0.4	0.718	6.871	0.000	0.2
375	0.4	0.723	6.927	0.000	0.2
380	0.4	0.728	6.974	0.000	0.2
385	0.3	0.732	7.013	0.000	0.2
390	0.3	0.736	7.044	0.000	0.2
395	0.3	0.738	7.068	0.000	0.2
400	0.3	0.740	7.084	0.000	0.2
405	0.2	0.741	7.097	0.000	0.2
410	0.2	0.742	7.107	0.000	0.2
415	0.2	0.743	7.113	0.000	0.2
420	0.2	0.743	7.114	0.000	0.2
425	0.2	0.743	7.113	0.000	0.2
430	0.2	0.742	7.109	0.000	0.2
435	0.2	0.742	7.103	0.000	0.2
440	0.2	0.741	7.095	0.000	0.2
445	0.2	0.740	7.087	0.000	0.2
450	0.2	0.739	7.078	0.000	0.2
455	0.2	0.738	7.067	0.000	0.2
460	0.2	0.736	7.053	0.000	0.2
465	0.2	0.735	7.037	0.000	0.2
470	0.2	0.733	7.022	0.000	0.2
475	0.1	0.731	7.005	0.000	0.2
480	0.1	0.730	6.988	0.000	0.2
485	0.1	0.728	6.970	0.000	0.2
490	0.1	0.726	6.953	0.000	0.2
495	0.1	0.724	6.934	0.000	0.2
500	0.1	0.722	6.914	0.000	0.2
505	0.1	0.720	6.894	0.000	0.2
510	0.1	0.718	6.875	0.000	0.2
515	0.1	0.716	6.854	0.000	0.2
520	0.1	0.713	6.832	0.000	0.2
525	0.1	0.711	6.811	0.000	0.2
530	0.1	0.709	6.789	0.000	0.2
535	0.1	0.707	6.768	0.000	0.2
540	0.1	0.704	6.746	0.000	0.2
545	0.1	0.702	6.725	0.000	0.2
550	0.1	0.700	6.703	0.000	0.2
555	0.1	0.697	6.680	0.000	0.2
560	0.1	0.695	6.657	0.000	0.2

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
565	0.1	0.693	6.634	0.000	0.2
570	0.1	0.690	6.611	0.000	0.2
575	0.1	0.688	6.588	0.000	0.2
580	0.1	0.685	6.566	0.000	0.2
585	0.1	0.683	6.543	0.000	0.2
590	0.1	0.681	6.521	0.000	0.2
595	0.1	0.679	6.499	0.000	0.2
600	0.1	0.676	6.476	0.000	0.2
605	0.0	0.672	6.442	0.000	0.2
610	0.0	0.667	6.393	0.000	0.2
615	0.0	0.662	6.343	0.000	0.2
620	0.0	0.657	6.294	0.000	0.2
625	0.0	0.652	6.244	0.000	0.2
630	0.0	0.647	6.196	0.000	0.2
635	0.0	0.642	6.147	0.000	0.2
640	0.0	0.637	6.098	0.000	0.2
645	0.0	0.632	6.051	0.000	0.2
650	0.0	0.627	6.003	0.000	0.2
655	0.0	0.622	5.957	0.000	0.2
660	0.0	0.617	5.910	0.000	0.2
665	0.0	0.612	5.865	0.000	0.2
670	0.0	0.608	5.820	0.000	0.2
675	0.0	0.603	5.773	0.000	0.2
680	0.0	0.598	5.730	0.000	0.2
685	0.0	0.594	5.685	0.000	0.2
690	0.0	0.589	5.641	0.000	0.2
695	0.0	0.584	5.597	0.000	0.2
700	0.0	0.580	5.554	0.000	0.2
705	0.0	0.575	5.512	0.000	0.2
710	0.0	0.571	5.468	0.000	0.2
715	0.0	0.566	5.427	0.000	0.2
720	0.0	0.562	5.384	0.000	0.2
725	0.0	0.558	5.342	0.000	0.2
730	0.0	0.553	5.301	0.000	0.2
735	0.0	0.549	5.260	0.000	0.2
740	0.0	0.545	5.220	0.000	0.2
745	0.0	0.541	5.179	0.000	0.2
750	0.0	0.537	5.140	0.000	0.2
755	0.0	0.532	5.100	0.000	0.2
760	0.0	0.528	5.060	0.000	0.1
765	0.0	0.524	5.020	0.000	0.1
770	0.0	0.520	4.982	0.000	0.1
775	0.0	0.516	4.944	0.000	0.1
780	0.0	0.512	4.906	0.000	0.1
785	0.0	0.508	4.868	0.000	0.1
790	0.0	0.504	4.831	0.000	0.1
795	0.0	0.500	4.793	0.000	0.1
800	0.0	0.497	4.757	0.000	0.1
805	0.0	0.493	4.719	0.000	0.1
810	0.0	0.489	4.683	0.000	0.1
815	0.0	0.485	4.647	0.000	0.1
820	0.0	0.481	4.610	0.000	0.1
825	0.0	0.478	4.575	0.000	0.1
830	0.0	0.474	4.540	0.000	0.1
835	0.0	0.470	4.504	0.000	0.1
840	0.0	0.467	4.469	0.000	0.1
845	0.0	0.463	4.435	0.000	0.1
850	0.0	0.459	4.400	0.000	0.1

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
855	0.0	0.456	4.365	0.000	0.1
860	0.0	0.452	4.332	0.000	0.1
865	0.0	0.449	4.298	0.000	0.1
870	0.0	0.445	4.265	0.000	0.1
875	0.0	0.442	4.230	0.000	0.1
880	0.0	0.438	4.197	0.000	0.1
885	0.0	0.435	4.166	0.000	0.1
890	0.0	0.431	4.134	0.000	0.1
895	0.0	0.428	4.101	0.000	0.1
900	0.0	0.425	4.069	0.000	0.1
905	0.0	0.422	4.037	0.000	0.1
910	0.0	0.418	4.005	0.000	0.1
915	0.0	0.415	3.975	0.000	0.1
920	0.0	0.412	3.945	0.000	0.1
925	0.0	0.409	3.912	0.000	0.1
930	0.0	0.405	3.883	0.000	0.1
935	0.0	0.402	3.852	0.000	0.1
940	0.0	0.399	3.823	0.000	0.1
945	0.0	0.396	3.793	0.000	0.1
950	0.0	0.393	3.765	0.000	0.1
955	0.0	0.390	3.736	0.000	0.1
960	0.0	0.387	3.709	0.000	0.1
965	0.0	0.384	3.681	0.000	0.1
970	0.0	0.381	3.653	0.000	0.1
975	0.0	0.379	3.626	0.000	0.1
980	0.0	0.376	3.598	0.000	0.1
985	0.0	0.373	3.571	0.000	0.1
990	0.0	0.370	3.545	0.000	0.1
995	0.0	0.367	3.518	0.000	0.1
1000	0.0	0.365	3.492	0.000	0.1
1005	0.0	0.362	3.466	0.000	0.1
1010	0.0	0.359	3.440	0.000	0.1
1015	0.0	0.356	3.415	0.000	0.1
1020	0.0	0.354	3.389	0.000	0.1
1025	0.0	0.351	3.363	0.000	0.1
1030	0.0	0.349	3.339	0.000	0.1
1035	0.0	0.346	3.314	0.000	0.1
1040	0.0	0.343	3.289	0.000	0.1
1045	0.0	0.341	3.264	0.000	0.1
1050	0.0	0.338	3.235	0.000	0.1
1055	0.0	0.335	3.207	0.000	0.1
1060	0.0	0.332	3.179	0.000	0.1
1065	0.0	0.329	3.151	0.000	0.1
1070	0.0	0.326	3.123	0.000	0.1
1075	0.0	0.323	3.096	0.000	0.1
1080	0.0	0.320	3.069	0.000	0.1
1085	0.0	0.317	3.042	0.000	0.1
1090	0.0	0.315	3.015	0.000	0.1
1095	0.0	0.312	2.988	0.000	0.1
1100	0.0	0.309	2.962	0.000	0.1
1105	0.0	0.306	2.936	0.000	0.1
1110	0.0	0.304	2.910	0.000	0.1
1115	0.0	0.301	2.884	0.000	0.1
1120	0.0	0.298	2.859	0.000	0.1
1125	0.0	0.296	2.834	0.000	0.1
1130	0.0	0.293	2.809	0.000	0.1
1135	0.0	0.291	2.784	0.000	0.1
1140	0.0	0.288	2.760	0.000	0.1

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1145	0.0	0.285	2.735	0.000	0.1
1150	0.0	0.283	2.711	0.000	0.1
1155	0.0	0.280	2.687	0.000	0.1
1160	0.0	0.278	2.664	0.000	0.1
1165	0.0	0.276	2.640	0.000	0.1
1170	0.0	0.273	2.617	0.000	0.1
1175	0.0	0.271	2.594	0.000	0.1
1180	0.0	0.268	2.571	0.000	0.1
1185	0.0	0.266	2.548	0.000	0.1
1190	0.0	0.264	2.526	0.000	0.1
1195	0.0	0.261	2.503	0.000	0.1
1200	0.0	0.259	2.481	0.000	0.1

Project - 2080:	Date:		
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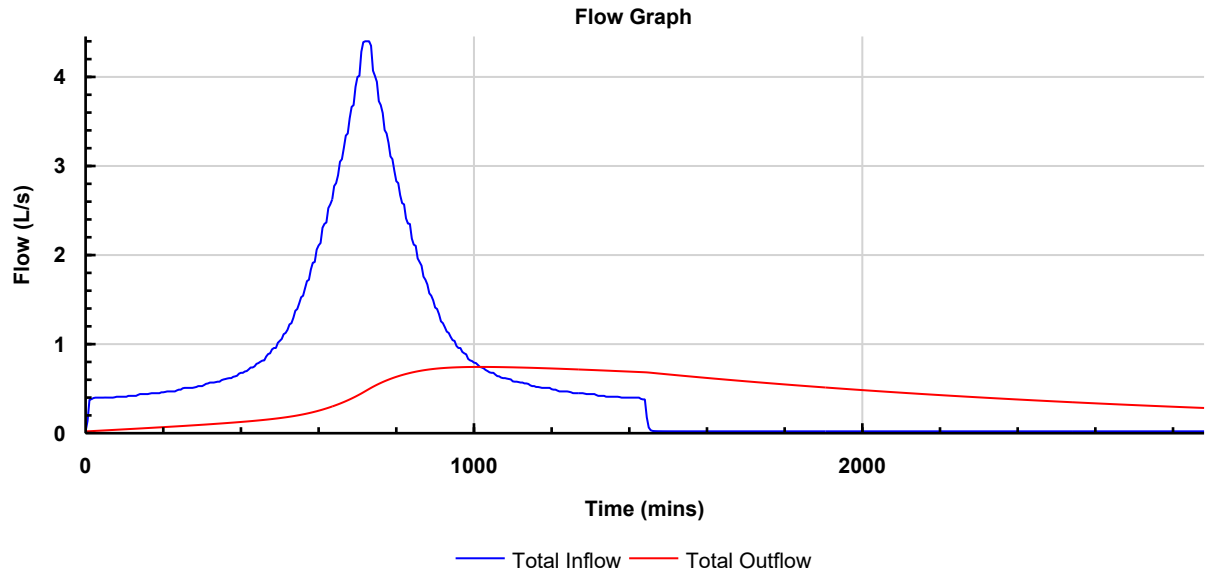
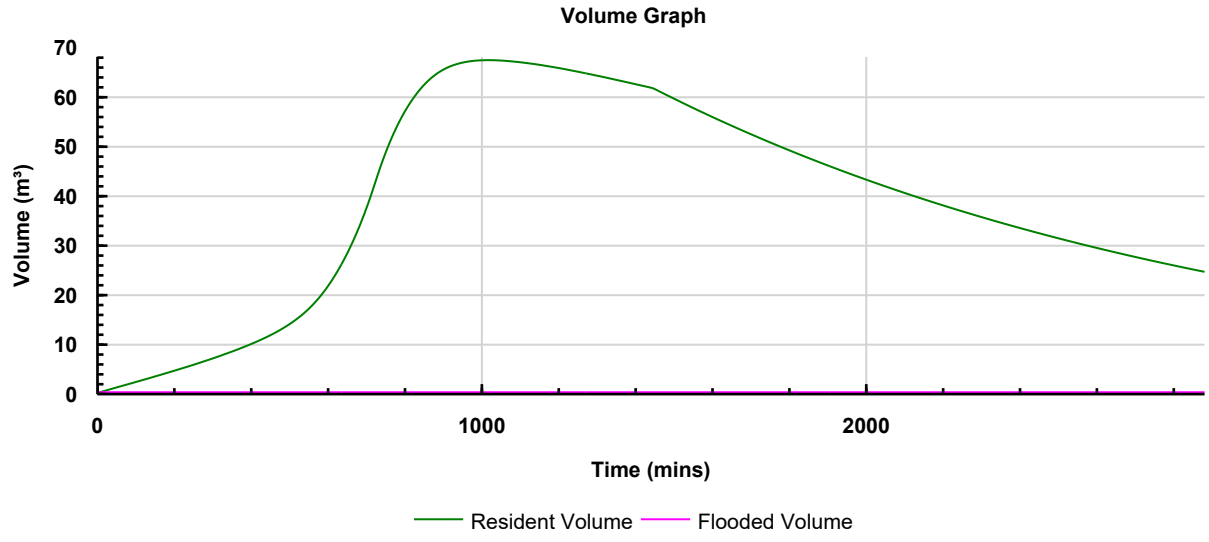
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Soakaway 3 (1)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

Type : Soakaway

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
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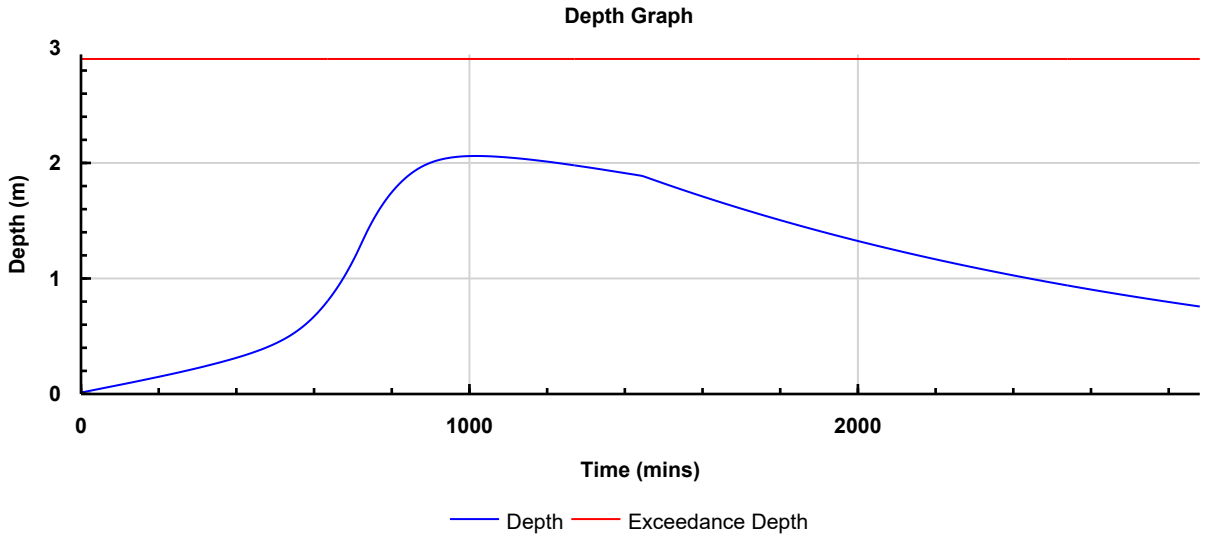
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.1	0.000	0.009	0.000	0.0
10	0.4	0.003	0.089	0.000	0.0
15	0.4	0.006	0.197	0.000	0.0
20	0.4	0.009	0.306	0.000	0.0
25	0.4	0.013	0.418	0.000	0.0
30	0.4	0.016	0.531	0.000	0.0
35	0.4	0.020	0.643	0.000	0.0
40	0.4	0.023	0.755	0.000	0.0
45	0.4	0.026	0.866	0.000	0.0
50	0.4	0.030	0.977	0.000	0.0
55	0.4	0.033	1.088	0.000	0.0
60	0.4	0.037	1.198	0.000	0.0
65	0.4	0.040	1.308	0.000	0.0
70	0.4	0.043	1.418	0.000	0.0
75	0.4	0.047	1.528	0.000	0.0
80	0.4	0.050	1.639	0.000	0.0
85	0.4	0.053	1.750	0.000	0.0
90	0.4	0.057	1.862	0.000	0.0
95	0.4	0.060	1.972	0.000	0.0
100	0.4	0.063	2.083	0.000	0.0
105	0.4	0.067	2.193	0.000	0.0
110	0.4	0.070	2.304	0.000	0.0
115	0.4	0.074	2.416	0.000	0.0
120	0.4	0.077	2.529	0.000	0.0
125	0.4	0.080	2.640	0.000	0.0
130	0.4	0.084	2.751	0.000	0.0
135	0.4	0.087	2.864	0.000	0.0
140	0.4	0.091	2.979	0.000	0.0
145	0.4	0.094	3.095	0.000	0.0
150	0.4	0.098	3.211	0.000	0.0
155	0.4	0.101	3.327	0.000	0.0
160	0.4	0.105	3.442	0.000	0.0
165	0.4	0.108	3.557	0.000	0.0
170	0.4	0.112	3.674	0.000	0.0
175	0.4	0.115	3.791	0.000	0.0
180	0.4	0.119	3.908	0.000	0.0
185	0.4	0.123	4.024	0.000	0.0
190	0.4	0.126	4.140	0.000	0.0
195	0.4	0.130	4.256	0.000	0.0
200	0.4	0.133	4.375	0.000	0.0
205	0.4	0.137	4.493	0.000	0.0
210	0.4	0.140	4.612	0.000	0.0
215	0.4	0.144	4.732	0.000	0.1
220	0.4	0.148	4.852	0.000	0.1
225	0.4	0.151	4.971	0.000	0.1
230	0.4	0.155	5.090	0.000	0.1
235	0.5	0.159	5.209	0.000	0.1
240	0.5	0.162	5.332	0.000	0.1
245	0.5	0.166	5.456	0.000	0.1
250	0.5	0.170	5.581	0.000	0.1
255	0.5	0.174	5.710	0.000	0.1
260	0.5	0.178	5.838	0.000	0.1
265	0.5	0.182	5.966	0.000	0.1
270	0.5	0.186	6.093	0.000	0.1

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
275	0.5	0.189	6.221	0.000	0.1
280	0.5	0.193	6.348	0.000	0.1
285	0.5	0.197	6.476	0.000	0.1
290	0.5	0.201	6.607	0.000	0.1
295	0.5	0.205	6.738	0.000	0.1
300	0.5	0.209	6.869	0.000	0.1
305	0.5	0.213	7.001	0.000	0.1
310	0.5	0.217	7.137	0.000	0.1
315	0.5	0.222	7.276	0.000	0.1
320	0.5	0.226	7.415	0.000	0.1
325	0.5	0.230	7.556	0.000	0.1
330	0.5	0.234	7.696	0.000	0.1
335	0.6	0.239	7.837	0.000	0.1
340	0.6	0.243	7.979	0.000	0.1
345	0.6	0.247	8.121	0.000	0.1
350	0.6	0.252	8.265	0.000	0.1
355	0.6	0.256	8.412	0.000	0.1
360	0.6	0.261	8.561	0.000	0.1
365	0.6	0.265	8.711	0.000	0.1
370	0.6	0.270	8.862	0.000	0.1
375	0.6	0.275	9.013	0.000	0.1
380	0.6	0.279	9.166	0.000	0.1
385	0.6	0.284	9.321	0.000	0.1
390	0.6	0.289	9.478	0.000	0.1
395	0.7	0.294	9.638	0.000	0.1
400	0.7	0.299	9.804	0.000	0.1
405	0.7	0.304	9.970	0.000	0.1
410	0.7	0.309	10.138	0.000	0.1
415	0.7	0.314	10.308	0.000	0.1
420	0.7	0.319	10.481	0.000	0.1
425	0.7	0.325	10.660	0.000	0.1
430	0.7	0.330	10.838	0.000	0.1
435	0.7	0.336	11.020	0.000	0.1
440	0.8	0.341	11.208	0.000	0.1
445	0.8	0.347	11.402	0.000	0.1
450	0.8	0.353	11.597	0.000	0.1
455	0.8	0.359	11.797	0.000	0.1
460	0.8	0.366	11.999	0.000	0.1
465	0.8	0.372	12.205	0.000	0.1
470	0.9	0.378	12.423	0.000	0.1
475	0.9	0.385	12.646	0.000	0.1
480	0.9	0.392	12.874	0.000	0.1
485	0.9	0.399	13.113	0.000	0.1
490	0.9	0.407	13.353	0.000	0.1
495	1.0	0.414	13.598	0.000	0.1
500	1.0	0.422	13.858	0.000	0.1
505	1.0	0.430	14.122	0.000	0.2
510	1.1	0.439	14.396	0.000	0.2
515	1.1	0.447	14.681	0.000	0.2
520	1.1	0.456	14.970	0.000	0.2
525	1.2	0.465	15.274	0.000	0.2
530	1.2	0.475	15.590	0.000	0.2
535	1.3	0.485	15.913	0.000	0.2
540	1.4	0.495	16.257	0.000	0.2
545	1.4	0.506	16.610	0.000	0.2
550	1.4	0.517	16.978	0.000	0.2
555	1.5	0.529	17.365	0.000	0.2
560	1.5	0.541	17.767	0.000	0.2

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
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	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
565	1.6	0.554	18.177	0.000	0.2
570	1.7	0.567	18.614	0.000	0.2
575	1.7	0.581	19.066	0.000	0.2
580	1.8	0.595	19.530	0.000	0.2
585	1.9	0.610	20.027	0.000	0.2
590	1.9	0.626	20.534	0.000	0.2
595	2.0	0.642	21.056	0.000	0.2
600	2.1	0.659	21.613	0.000	0.2
605	2.1	0.676	22.175	0.000	0.2
610	2.3	0.694	22.761	0.000	0.2
615	2.3	0.713	23.386	0.000	0.3
620	2.4	0.732	24.014	0.000	0.3
625	2.5	0.751	24.662	0.000	0.3
630	2.6	0.772	25.347	0.000	0.3
635	2.6	0.793	26.038	0.000	0.3
640	2.8	0.815	26.758	0.000	0.3
645	2.8	0.838	27.509	0.000	0.3
650	2.9	0.861	28.269	0.000	0.3
655	3.0	0.886	29.065	0.000	0.3
660	3.1	0.911	29.889	0.000	0.3
665	3.2	0.936	30.728	0.000	0.3
670	3.3	0.963	31.608	0.000	0.3
675	3.4	0.991	32.511	0.000	0.3
680	3.5	1.019	33.433	0.000	0.4
685	3.7	1.048	34.404	0.000	0.4
690	3.7	1.078	35.395	0.000	0.4
695	3.9	1.109	36.408	0.000	0.4
700	4.0	1.142	37.474	0.000	0.4
705	4.0	1.175	38.554	0.000	0.4
710	4.3	1.209	39.664	0.000	0.4
715	4.4	1.244	40.840	0.000	0.4
720	4.4	1.280	42.026	0.000	0.5
725	4.4	1.317	43.208	0.000	0.5
730	4.4	1.352	44.387	0.000	0.5
735	4.3	1.388	45.556	0.000	0.5
740	4.1	1.422	46.676	0.000	0.5
745	4.0	1.454	47.729	0.000	0.5
750	3.9	1.486	48.768	0.000	0.5
755	3.7	1.516	49.763	0.000	0.5
760	3.7	1.545	50.707	0.000	0.5
765	3.6	1.573	51.635	0.000	0.6
770	3.4	1.600	52.518	0.000	0.6
775	3.4	1.625	53.357	0.000	0.6
780	3.3	1.650	54.178	0.000	0.6
785	3.1	1.674	54.957	0.000	0.6
790	3.1	1.697	55.701	0.000	0.6
795	2.9	1.719	56.425	0.000	0.6
800	2.8	1.740	57.105	0.000	0.6
805	2.8	1.759	57.761	0.000	0.6
810	2.7	1.779	58.397	0.000	0.6
815	2.6	1.797	58.992	0.000	0.6
820	2.6	1.815	59.569	0.000	0.6
825	2.4	1.831	60.126	0.000	0.6
830	2.3	1.847	60.639	0.000	0.7
835	2.3	1.862	61.145	0.000	0.7
840	2.2	1.877	61.629	0.000	0.7
845	2.1	1.891	62.067	0.000	0.7
850	2.1	1.904	62.496	0.000	0.7

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
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	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
855	2.0	1.916	62.904	0.000	0.7
860	1.9	1.927	63.276	0.000	0.7
865	1.9	1.938	63.639	0.000	0.7
870	1.7	1.949	63.978	0.000	0.7
875	1.7	1.958	64.286	0.000	0.7
880	1.7	1.967	64.585	0.000	0.7
885	1.6	1.975	64.860	0.000	0.7
890	1.5	1.983	65.111	0.000	0.7
895	1.5	1.990	65.353	0.000	0.7
900	1.4	1.997	65.573	0.000	0.7
905	1.4	2.003	65.776	0.000	0.7
910	1.3	2.009	65.971	0.000	0.7
915	1.2	2.014	66.143	0.000	0.7
920	1.2	2.019	66.296	0.000	0.7
925	1.2	2.024	66.443	0.000	0.7
930	1.1	2.028	66.573	0.000	0.7
935	1.1	2.031	66.692	0.000	0.7
940	1.1	2.035	66.805	0.000	0.7
945	1.0	2.038	66.902	0.000	0.7
950	1.0	2.040	66.993	0.000	0.7
955	1.0	2.043	67.076	0.000	0.7
960	0.9	2.045	67.143	0.000	0.7
965	0.9	2.047	67.208	0.000	0.7
970	0.9	2.049	67.268	0.000	0.7
975	0.9	2.050	67.316	0.000	0.7
980	0.9	2.052	67.363	0.000	0.7
985	0.8	2.053	67.398	0.000	0.7
990	0.8	2.053	67.422	0.000	0.7
995	0.8	2.054	67.443	0.000	0.7
1000	0.8	2.055	67.461	0.000	0.7
1005	0.8	2.055	67.475	0.000	0.7
1010	0.7	2.055	67.486	0.000	0.7
1015	0.7	2.055	67.489	0.000	0.7
1020	0.7	2.055	67.488	0.000	0.7
1025	0.7	2.055	67.485	0.000	0.7
1030	0.7	2.055	67.478	0.000	0.7
1035	0.7	2.055	67.466	0.000	0.7
1040	0.7	2.054	67.450	0.000	0.7
1045	0.7	2.054	67.431	0.000	0.7
1050	0.7	2.053	67.411	0.000	0.7
1055	0.6	2.052	67.389	0.000	0.7
1060	0.6	2.051	67.361	0.000	0.7
1065	0.6	2.050	67.330	0.000	0.7
1070	0.6	2.049	67.297	0.000	0.7
1075	0.6	2.048	67.260	0.000	0.7
1080	0.6	2.047	67.223	0.000	0.7
1085	0.6	2.046	67.186	0.000	0.7
1090	0.6	2.045	67.146	0.000	0.7
1095	0.6	2.044	67.106	0.000	0.7
1100	0.6	2.042	67.062	0.000	0.7
1105	0.6	2.041	67.014	0.000	0.7
1110	0.6	2.039	66.965	0.000	0.7
1115	0.6	2.038	66.916	0.000	0.7
1120	0.6	2.036	66.867	0.000	0.7
1125	0.6	2.035	66.816	0.000	0.7
1130	0.5	2.033	66.764	0.000	0.7
1135	0.5	2.032	66.711	0.000	0.7
1140	0.5	2.030	66.657	0.000	0.7

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1145	0.5	2.028	66.600	0.000	0.7
1150	0.5	2.026	66.537	0.000	0.7
1155	0.5	2.024	66.477	0.000	0.7
1160	0.5	2.023	66.415	0.000	0.7
1165	0.5	2.021	66.350	0.000	0.7
1170	0.5	2.019	66.286	0.000	0.7
1175	0.5	2.017	66.219	0.000	0.7
1180	0.5	2.015	66.153	0.000	0.7
1185	0.5	2.013	66.086	0.000	0.7
1190	0.5	2.011	66.020	0.000	0.7
1195	0.5	2.009	65.954	0.000	0.7
1200	0.5	2.006	65.886	0.000	0.7
1205	0.5	2.004	65.815	0.000	0.7
1210	0.5	2.002	65.744	0.000	0.7
1215	0.5	2.000	65.672	0.000	0.7
1220	0.5	1.998	65.596	0.000	0.7
1225	0.4	1.995	65.519	0.000	0.7
1230	0.4	1.993	65.443	0.000	0.7
1235	0.4	1.991	65.367	0.000	0.7
1240	0.4	1.988	65.291	0.000	0.7
1245	0.4	1.986	65.215	0.000	0.7
1250	0.4	1.984	65.137	0.000	0.7
1255	0.4	1.981	65.058	0.000	0.7
1260	0.4	1.979	64.977	0.000	0.7
1265	0.4	1.976	64.896	0.000	0.7
1270	0.4	1.974	64.816	0.000	0.7
1275	0.4	1.971	64.735	0.000	0.7
1280	0.4	1.969	64.656	0.000	0.7
1285	0.4	1.967	64.576	0.000	0.7
1290	0.4	1.964	64.494	0.000	0.7
1295	0.4	1.962	64.412	0.000	0.7
1300	0.4	1.959	64.330	0.000	0.7
1305	0.4	1.957	64.248	0.000	0.7
1310	0.4	1.954	64.167	0.000	0.7
1315	0.4	1.952	64.085	0.000	0.7
1320	0.4	1.949	63.999	0.000	0.7
1325	0.4	1.946	63.913	0.000	0.7
1330	0.4	1.944	63.827	0.000	0.7
1335	0.4	1.941	63.741	0.000	0.7
1340	0.4	1.938	63.654	0.000	0.7
1345	0.4	1.936	63.565	0.000	0.7
1350	0.4	1.933	63.477	0.000	0.7
1355	0.4	1.930	63.389	0.000	0.7
1360	0.4	1.928	63.302	0.000	0.7
1365	0.4	1.925	63.215	0.000	0.7
1370	0.4	1.922	63.128	0.000	0.7
1375	0.4	1.920	63.041	0.000	0.7
1380	0.4	1.917	62.952	0.000	0.7
1385	0.4	1.914	62.863	0.000	0.7
1390	0.4	1.912	62.774	0.000	0.7
1395	0.4	1.909	62.686	0.000	0.7
1400	0.4	1.906	62.597	0.000	0.7
1405	0.4	1.904	62.509	0.000	0.7
1410	0.4	1.901	62.422	0.000	0.7
1415	0.4	1.898	62.334	0.000	0.7
1420	0.4	1.896	62.247	0.000	0.7
1425	0.4	1.893	62.160	0.000	0.7
1430	0.4	1.890	62.072	0.000	0.7

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1435	0.4	1.888	61.981	0.000	0.7
1440	0.4	1.885	61.889	0.000	0.7
1445	0.2	1.881	61.776	0.000	0.7
1450	0.0	1.876	61.606	0.000	0.7
1455	0.0	1.870	61.416	0.000	0.7
1460	0.0	1.864	61.214	0.000	0.7
1465	0.0	1.858	61.017	0.000	0.7
1470	0.0	1.852	60.822	0.000	0.7
1475	0.0	1.846	60.623	0.000	0.7
1480	0.0	1.840	60.428	0.000	0.7
1485	0.0	1.834	60.236	0.000	0.6
1490	0.0	1.828	60.039	0.000	0.6
1495	0.0	1.823	59.847	0.000	0.6
1500	0.0	1.817	59.662	0.000	0.6
1505	0.0	1.811	59.470	0.000	0.6
1510	0.0	1.805	59.278	0.000	0.6
1515	0.0	1.799	59.087	0.000	0.6
1520	0.0	1.793	58.891	0.000	0.6
1525	0.0	1.788	58.700	0.000	0.6
1530	0.0	1.782	58.509	0.000	0.6
1535	0.0	1.776	58.323	0.000	0.6
1540	0.0	1.770	58.133	0.000	0.6
1545	0.0	1.765	57.945	0.000	0.6
1550	0.0	1.759	57.760	0.000	0.6
1555	0.0	1.753	57.573	0.000	0.6
1560	0.0	1.748	57.389	0.000	0.6
1565	0.0	1.742	57.203	0.000	0.6
1570	0.0	1.736	57.017	0.000	0.6
1575	0.0	1.731	56.836	0.000	0.6
1580	0.0	1.725	56.651	0.000	0.6
1585	0.0	1.720	56.467	0.000	0.6
1590	0.0	1.714	56.287	0.000	0.6
1595	0.0	1.709	56.104	0.000	0.6
1600	0.0	1.703	55.926	0.000	0.6
1605	0.0	1.698	55.744	0.000	0.6
1610	0.0	1.692	55.563	0.000	0.6
1615	0.0	1.687	55.386	0.000	0.6
1620	0.0	1.681	55.206	0.000	0.6
1625	0.0	1.676	55.036	0.000	0.6
1630	0.0	1.670	54.858	0.000	0.6
1635	0.0	1.665	54.682	0.000	0.6
1640	0.0	1.660	54.505	0.000	0.6
1645	0.0	1.654	54.330	0.000	0.6
1650	0.0	1.649	54.154	0.000	0.6
1655	0.0	1.644	53.980	0.000	0.6
1660	0.0	1.638	53.806	0.000	0.6
1665	0.0	1.633	53.632	0.000	0.6
1670	0.0	1.628	53.459	0.000	0.6
1675	0.0	1.623	53.287	0.000	0.6
1680	0.0	1.617	53.115	0.000	0.6
1685	0.0	1.612	52.944	0.000	0.6
1690	0.0	1.607	52.773	0.000	0.6
1695	0.0	1.602	52.603	0.000	0.6
1700	0.0	1.597	52.434	0.000	0.6
1705	0.0	1.591	52.265	0.000	0.6
1710	0.0	1.586	52.096	0.000	0.6
1715	0.0	1.581	51.928	0.000	0.6
1720	0.0	1.576	51.761	0.000	0.6

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1725	0.0	1.571	51.594	0.000	0.6
1730	0.0	1.566	51.428	0.000	0.6
1735	0.0	1.561	51.262	0.000	0.6
1740	0.0	1.556	51.097	0.000	0.5
1745	0.0	1.551	50.932	0.000	0.5
1750	0.0	1.546	50.768	0.000	0.5
1755	0.0	1.541	50.604	0.000	0.5
1760	0.0	1.536	50.441	0.000	0.5
1765	0.0	1.531	50.278	0.000	0.5
1770	0.0	1.526	50.116	0.000	0.5
1775	0.0	1.521	49.955	0.000	0.5
1780	0.0	1.516	49.793	0.000	0.5
1785	0.0	1.511	49.633	0.000	0.5
1790	0.0	1.506	49.473	0.000	0.5
1795	0.0	1.502	49.313	0.000	0.5
1800	0.0	1.497	49.154	0.000	0.5
1805	0.0	1.492	48.996	0.000	0.5
1810	0.0	1.487	48.838	0.000	0.5
1815	0.0	1.482	48.681	0.000	0.5
1820	0.0	1.478	48.524	0.000	0.5
1825	0.0	1.473	48.367	0.000	0.5
1830	0.0	1.468	48.211	0.000	0.5
1835	0.0	1.463	48.056	0.000	0.5
1840	0.0	1.459	47.901	0.000	0.5
1845	0.0	1.454	47.747	0.000	0.5
1850	0.0	1.449	47.593	0.000	0.5
1855	0.0	1.445	47.439	0.000	0.5
1860	0.0	1.440	47.286	0.000	0.5
1865	0.0	1.435	47.134	0.000	0.5
1870	0.0	1.431	46.982	0.000	0.5
1875	0.0	1.426	46.830	0.000	0.5
1880	0.0	1.421	46.679	0.000	0.5
1885	0.0	1.417	46.529	0.000	0.5
1890	0.0	1.412	46.379	0.000	0.5
1895	0.0	1.408	46.229	0.000	0.5
1900	0.0	1.403	46.080	0.000	0.5
1905	0.0	1.399	45.932	0.000	0.5
1910	0.0	1.394	45.784	0.000	0.5
1915	0.0	1.390	45.636	0.000	0.5
1920	0.0	1.385	45.489	0.000	0.5
1925	0.0	1.381	45.342	0.000	0.5
1930	0.0	1.376	45.196	0.000	0.5
1935	0.0	1.372	45.050	0.000	0.5
1940	0.0	1.367	44.905	0.000	0.5
1945	0.0	1.363	44.760	0.000	0.5
1950	0.0	1.359	44.616	0.000	0.5
1955	0.0	1.354	44.472	0.000	0.5
1960	0.0	1.350	44.329	0.000	0.5
1965	0.0	1.345	44.186	0.000	0.5
1970	0.0	1.341	44.044	0.000	0.5
1975	0.0	1.337	43.902	0.000	0.5
1980	0.0	1.332	43.760	0.000	0.5
1985	0.0	1.328	43.619	0.000	0.5
1990	0.0	1.324	43.478	0.000	0.5
1995	0.0	1.320	43.338	0.000	0.5
2000	0.0	1.315	43.198	0.000	0.5
2005	0.0	1.311	43.059	0.000	0.5
2010	0.0	1.307	42.920	0.000	0.5

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
2015	0.0	1.303	42.782	0.000	0.5
2020	0.0	1.299	42.644	0.000	0.5
2025	0.0	1.294	42.507	0.000	0.5
2030	0.0	1.290	42.370	0.000	0.5
2035	0.0	1.286	42.233	0.000	0.5
2040	0.0	1.282	42.097	0.000	0.5
2045	0.0	1.278	41.961	0.000	0.5
2050	0.0	1.274	41.826	0.000	0.5
2055	0.0	1.269	41.691	0.000	0.4
2060	0.0	1.265	41.557	0.000	0.4
2065	0.0	1.261	41.423	0.000	0.4
2070	0.0	1.257	41.289	0.000	0.4
2075	0.0	1.253	41.156	0.000	0.4
2080	0.0	1.249	41.023	0.000	0.4
2085	0.0	1.245	40.891	0.000	0.4
2090	0.0	1.241	40.759	0.000	0.4
2095	0.0	1.237	40.628	0.000	0.4
2100	0.0	1.233	40.497	0.000	0.4
2105	0.0	1.229	40.366	0.000	0.4
2110	0.0	1.225	40.236	0.000	0.4
2115	0.0	1.221	40.106	0.000	0.4
2120	0.0	1.217	39.977	0.000	0.4
2125	0.0	1.213	39.848	0.000	0.4
2130	0.0	1.209	39.720	0.000	0.4
2135	0.0	1.206	39.592	0.000	0.4
2140	0.0	1.202	39.464	0.000	0.4
2145	0.0	1.198	39.337	0.000	0.4
2150	0.0	1.194	39.210	0.000	0.4
2155	0.0	1.190	39.084	0.000	0.4
2160	0.0	1.186	38.958	0.000	0.4
2165	0.0	1.182	38.832	0.000	0.4
2170	0.0	1.179	38.707	0.000	0.4
2175	0.0	1.175	38.582	0.000	0.4
2180	0.0	1.171	38.458	0.000	0.4
2185	0.0	1.167	38.334	0.000	0.4
2190	0.0	1.163	38.210	0.000	0.4
2195	0.0	1.160	38.087	0.000	0.4
2200	0.0	1.156	37.964	0.000	0.4
2205	0.0	1.152	37.842	0.000	0.4
2210	0.0	1.149	37.720	0.000	0.4
2215	0.0	1.145	37.598	0.000	0.4
2220	0.0	1.141	37.477	0.000	0.4
2225	0.0	1.137	37.356	0.000	0.4
2230	0.0	1.134	37.236	0.000	0.4
2235	0.0	1.130	37.116	0.000	0.4
2240	0.0	1.127	36.996	0.000	0.4
2245	0.0	1.123	36.877	0.000	0.4
2250	0.0	1.119	36.758	0.000	0.4
2255	0.0	1.116	36.639	0.000	0.4
2260	0.0	1.112	36.521	0.000	0.4
2265	0.0	1.108	36.403	0.000	0.4
2270	0.0	1.105	36.286	0.000	0.4
2275	0.0	1.101	36.169	0.000	0.4
2280	0.0	1.098	36.053	0.000	0.4
2285	0.0	1.094	35.936	0.000	0.4
2290	0.0	1.091	35.820	0.000	0.4
2295	0.0	1.087	35.705	0.000	0.4
2300	0.0	1.084	35.590	0.000	0.4

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
2305	0.0	1.080	35.475	0.000	0.4
2310	0.0	1.077	35.361	0.000	0.4
2315	0.0	1.073	35.247	0.000	0.4
2320	0.0	1.070	35.133	0.000	0.4
2325	0.0	1.066	35.020	0.000	0.4
2330	0.0	1.063	34.907	0.000	0.4
2335	0.0	1.059	34.794	0.000	0.4
2340	0.0	1.056	34.682	0.000	0.4
2345	0.0	1.053	34.570	0.000	0.4
2350	0.0	1.049	34.459	0.000	0.4
2355	0.0	1.046	34.348	0.000	0.4
2360	0.0	1.043	34.237	0.000	0.4
2365	0.0	1.039	34.127	0.000	0.4
2370	0.0	1.036	34.017	0.000	0.4
2375	0.0	1.032	33.907	0.000	0.4
2380	0.0	1.029	33.798	0.000	0.4
2385	0.0	1.026	33.689	0.000	0.4
2390	0.0	1.023	33.580	0.000	0.4
2395	0.0	1.019	33.472	0.000	0.4
2400	0.0	1.016	33.364	0.000	0.4
2405	0.0	1.013	33.256	0.000	0.4
2410	0.0	1.009	33.149	0.000	0.4
2415	0.0	1.006	33.042	0.000	0.4
2420	0.0	1.003	32.936	0.000	0.4
2425	0.0	1.000	32.830	0.000	0.4
2430	0.0	0.996	32.724	0.000	0.4
2435	0.0	0.993	32.618	0.000	0.4
2440	0.0	0.990	32.513	0.000	0.3
2445	0.0	0.987	32.408	0.000	0.3
2450	0.0	0.984	32.304	0.000	0.3
2455	0.0	0.980	32.200	0.000	0.3
2460	0.0	0.977	32.096	0.000	0.3
2465	0.0	0.974	31.992	0.000	0.3
2470	0.0	0.971	31.889	0.000	0.3
2475	0.0	0.968	31.787	0.000	0.3
2480	0.0	0.965	31.684	0.000	0.3
2485	0.0	0.962	31.582	0.000	0.3
2490	0.0	0.959	31.480	0.000	0.3
2495	0.0	0.955	31.379	0.000	0.3
2500	0.0	0.952	31.277	0.000	0.3
2505	0.0	0.949	31.177	0.000	0.3
2510	0.0	0.946	31.076	0.000	0.3
2515	0.0	0.943	30.976	0.000	0.3
2520	0.0	0.940	30.876	0.000	0.3
2525	0.0	0.937	30.777	0.000	0.3
2530	0.0	0.934	30.677	0.000	0.3
2535	0.0	0.931	30.578	0.000	0.3
2540	0.0	0.928	30.480	0.000	0.3
2545	0.0	0.925	30.382	0.000	0.3
2550	0.0	0.922	30.284	0.000	0.3
2555	0.0	0.919	30.186	0.000	0.3
2560	0.0	0.916	30.089	0.000	0.3
2565	0.0	0.913	29.992	0.000	0.3
2570	0.0	0.910	29.895	0.000	0.3
2575	0.0	0.907	29.799	0.000	0.3
2580	0.0	0.904	29.703	0.000	0.3
2585	0.0	0.902	29.607	0.000	0.3
2590	0.0	0.899	29.511	0.000	0.3

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
2595	0.0	0.896	29.416	0.000	0.3
2600	0.0	0.893	29.321	0.000	0.3
2605	0.0	0.890	29.227	0.000	0.3
2610	0.0	0.887	29.133	0.000	0.3
2615	0.0	0.884	29.039	0.000	0.3
2620	0.0	0.881	28.945	0.000	0.3
2625	0.0	0.879	28.852	0.000	0.3
2630	0.0	0.876	28.759	0.000	0.3
2635	0.0	0.873	28.666	0.000	0.3
2640	0.0	0.870	28.574	0.000	0.3
2645	0.0	0.867	28.481	0.000	0.3
2650	0.0	0.864	28.390	0.000	0.3
2655	0.0	0.862	28.298	0.000	0.3
2660	0.0	0.859	28.207	0.000	0.3
2665	0.0	0.856	28.116	0.000	0.3
2670	0.0	0.853	28.025	0.000	0.3
2675	0.0	0.851	27.935	0.000	0.3
2680	0.0	0.848	27.845	0.000	0.3
2685	0.0	0.845	27.755	0.000	0.3
2690	0.0	0.842	27.666	0.000	0.3
2695	0.0	0.840	27.576	0.000	0.3
2700	0.0	0.837	27.488	0.000	0.3
2705	0.0	0.834	27.399	0.000	0.3
2710	0.0	0.832	27.311	0.000	0.3
2715	0.0	0.829	27.223	0.000	0.3
2720	0.0	0.826	27.135	0.000	0.3
2725	0.0	0.824	27.047	0.000	0.3
2730	0.0	0.821	26.960	0.000	0.3
2735	0.0	0.818	26.873	0.000	0.3
2740	0.0	0.816	26.787	0.000	0.3
2745	0.0	0.813	26.700	0.000	0.3
2750	0.0	0.810	26.614	0.000	0.3
2755	0.0	0.808	26.528	0.000	0.3
2760	0.0	0.805	26.443	0.000	0.3
2765	0.0	0.803	26.358	0.000	0.3
2770	0.0	0.800	26.273	0.000	0.3
2775	0.0	0.797	26.188	0.000	0.3
2780	0.0	0.795	26.103	0.000	0.3
2785	0.0	0.792	26.019	0.000	0.3
2790	0.0	0.790	25.935	0.000	0.3
2795	0.0	0.787	25.852	0.000	0.3
2800	0.0	0.785	25.768	0.000	0.3
2805	0.0	0.782	25.685	0.000	0.3
2810	0.0	0.780	25.603	0.000	0.3
2815	0.0	0.777	25.520	0.000	0.3
2820	0.0	0.775	25.438	0.000	0.3
2825	0.0	0.772	25.356	0.000	0.3
2830	0.0	0.770	25.274	0.000	0.3
2835	0.0	0.767	25.193	0.000	0.3
2840	0.0	0.765	25.111	0.000	0.3
2845	0.0	0.762	25.030	0.000	0.3
2850	0.0	0.760	24.950	0.000	0.3
2855	0.0	0.757	24.869	0.000	0.3
2860	0.0	0.755	24.789	0.000	0.3
2865	0.0	0.752	24.709	0.000	0.3
2870	0.0	0.750	24.630	0.000	0.3
2875	0.0	0.748	24.550	0.000	0.3
2880	0.0	0.745	24.470	0.000	0.3

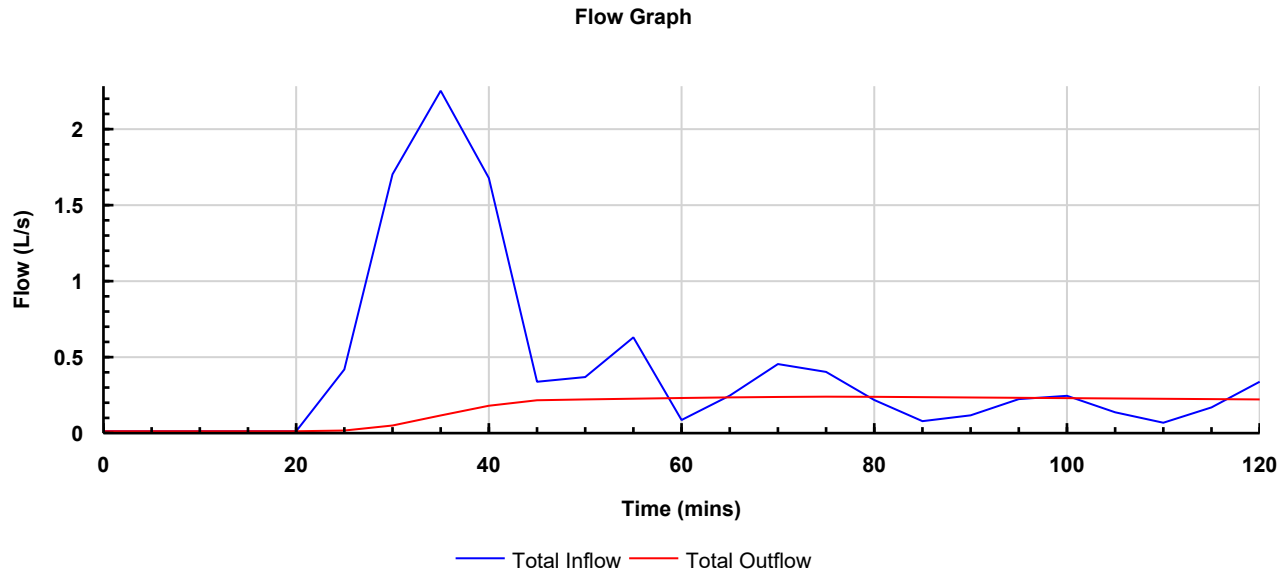
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

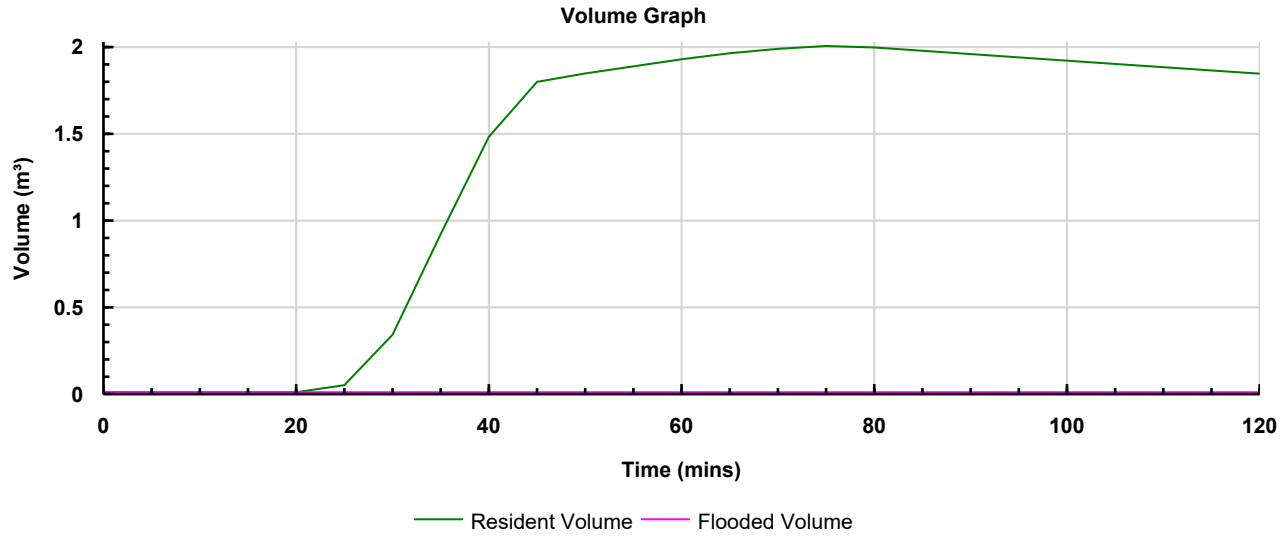
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Infiltration Trench
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 60 mins: Summer

Type : Infiltration Trench

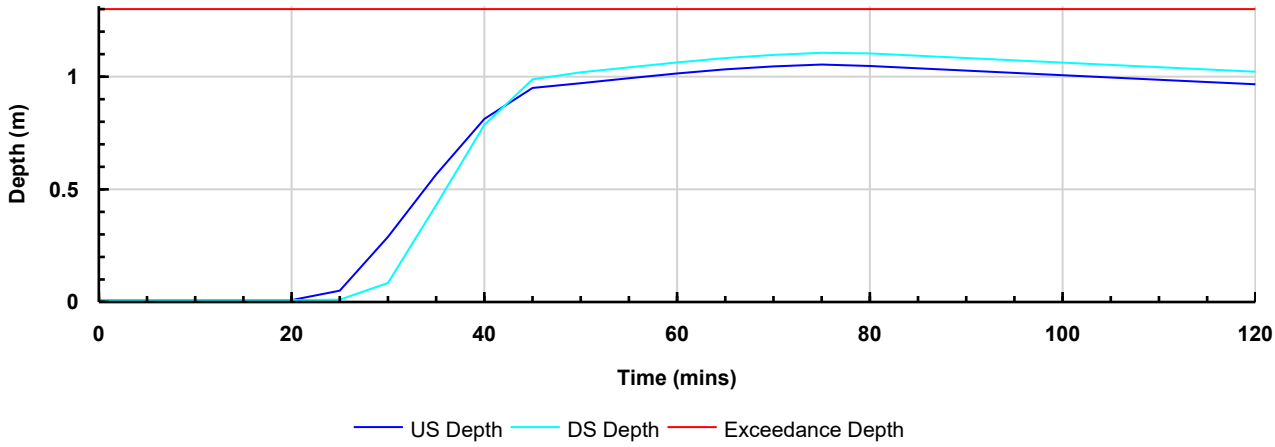
Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Depth Graph



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

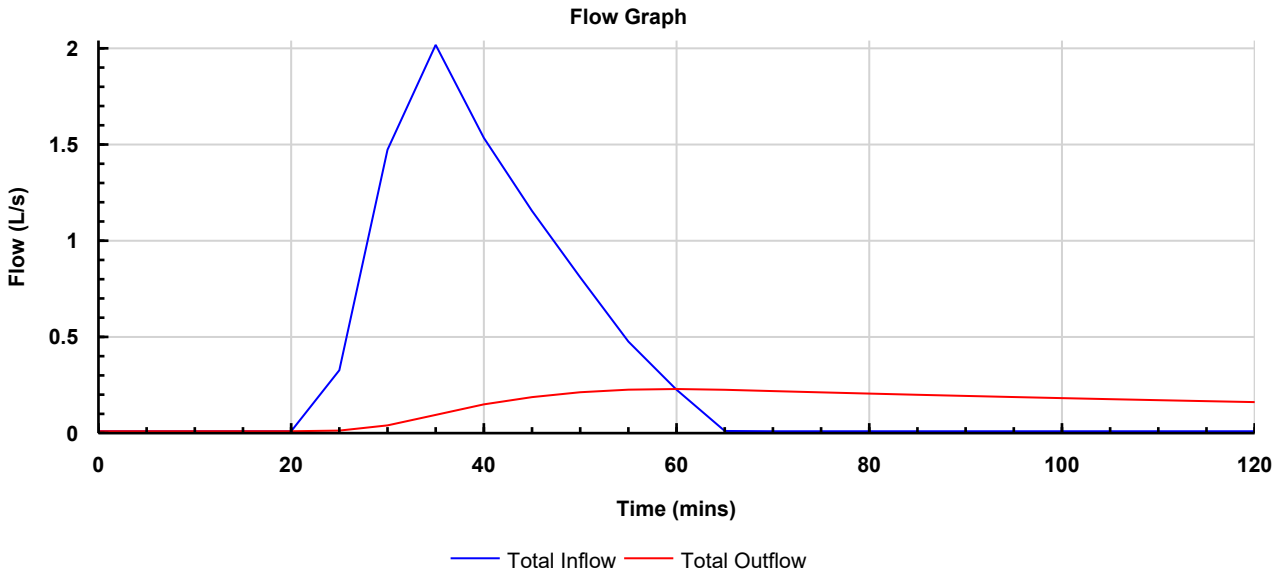
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.0	0.000	0.000	0.000	0.000	0.0
10	0.0	0.000	0.000	0.000	0.000	0.0
15	0.0	0.000	0.000	0.000	0.000	0.0
20	0.0	0.000	0.000	0.000	0.000	0.0
25	0.4	0.042	0.002	0.041	0.000	0.0
30	1.7	0.283	0.077	0.333	0.000	0.0
35	2.3	0.561	0.425	0.916	0.000	0.1
40	1.7	0.809	0.783	1.480	0.000	0.2
45	0.3	0.948	0.986	1.798	0.000	0.2
50	0.4	0.969	1.017	1.847	0.000	0.2
55	0.6	0.991	1.040	1.888	0.000	0.2
60	0.1	1.012	1.062	1.929	0.000	0.2
65	0.2	1.031	1.081	1.964	0.000	0.2
70	0.4	1.044	1.095	1.990	0.000	0.2
75	0.4	1.052	1.105	2.006	0.000	0.2
80	0.2	1.046	1.102	1.998	0.000	0.2
85	0.1	1.035	1.092	1.978	0.000	0.2
90	0.1	1.025	1.081	1.959	0.000	0.2
95	0.2	1.015	1.071	1.940	0.000	0.2
100	0.2	1.005	1.061	1.921	0.000	0.2
105	0.1	0.994	1.051	1.902	0.000	0.2
110	0.1	0.984	1.040	1.883	0.000	0.2
115	0.2	0.974	1.030	1.864	0.000	0.2
120	0.3	0.964	1.020	1.846	0.000	0.2

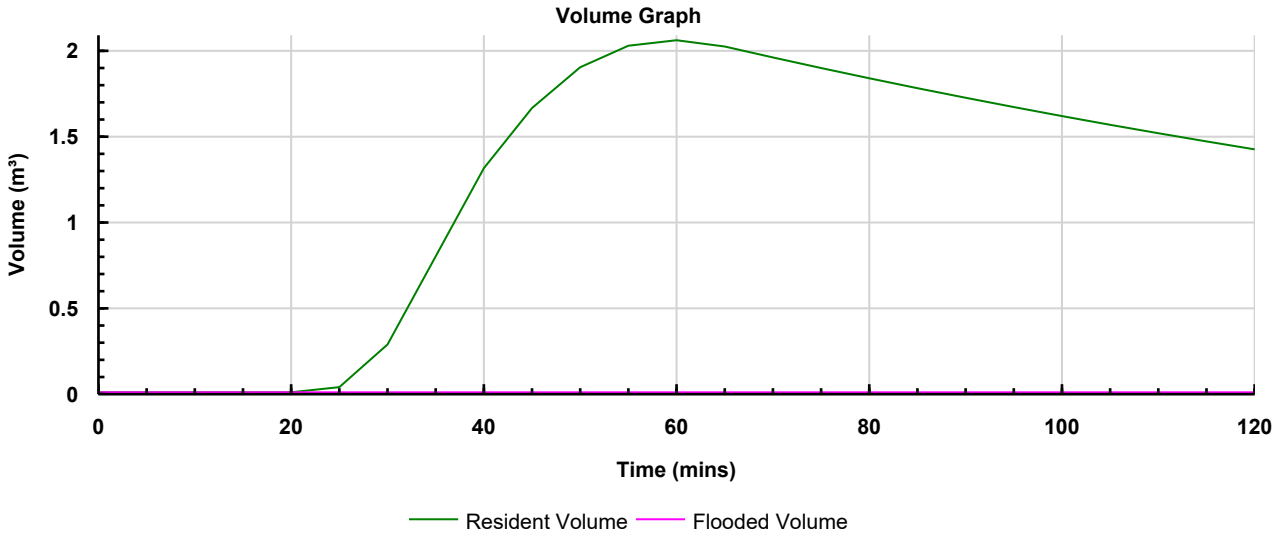
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Infiltration Trench 2
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 60 mins: Summer

Type : Infiltration Trench

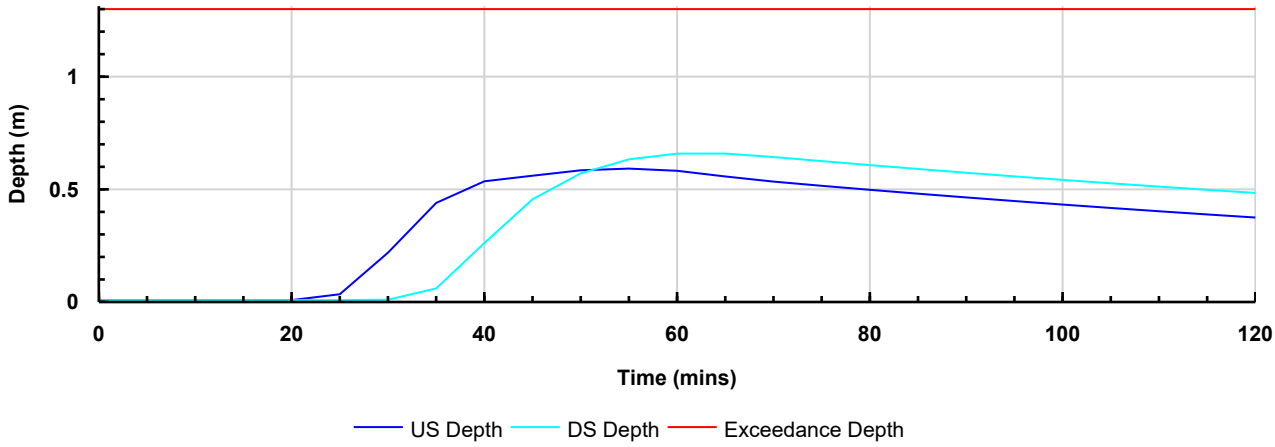
Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Depth Graph



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

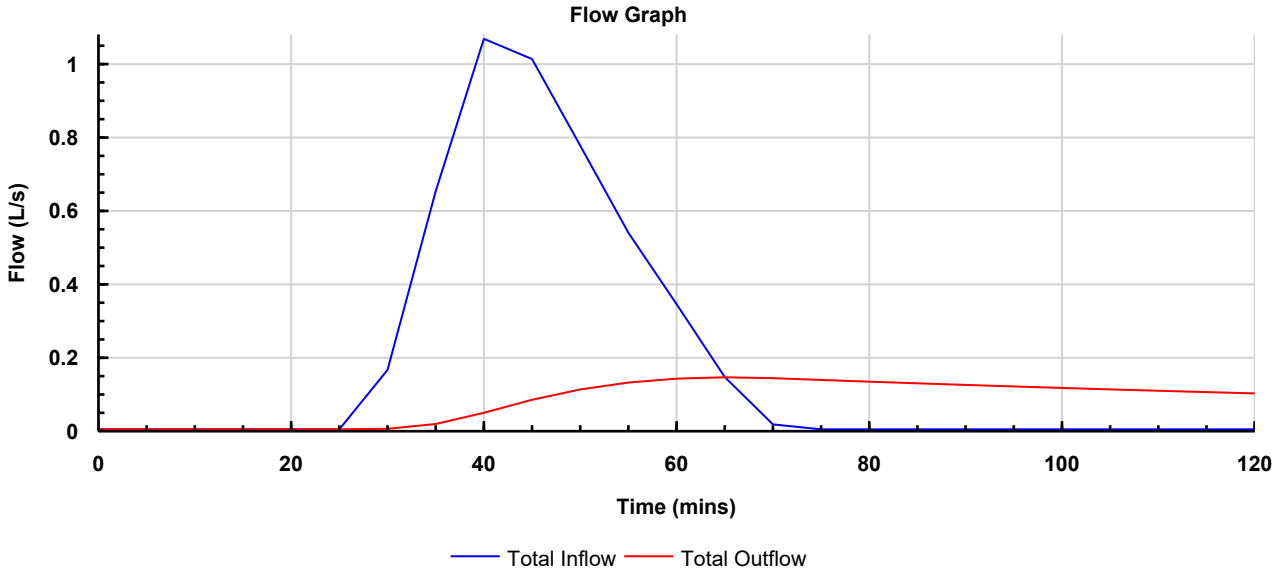
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.0	0.000	0.000	0.000	0.000	0.0
10	0.0	0.000	0.000	0.000	0.000	0.0
15	0.0	0.000	0.000	0.000	0.000	0.0
20	0.0	0.000	0.000	0.000	0.000	0.0
25	0.3	0.026	0.000	0.030	0.000	0.0
30	1.5	0.212	0.002	0.280	0.000	0.0
35	2.0	0.434	0.052	0.796	0.000	0.1
40	1.5	0.531	0.255	1.312	0.000	0.1
45	1.2	0.556	0.450	1.665	0.000	0.2
50	0.8	0.580	0.566	1.904	0.000	0.2
55	0.5	0.587	0.629	2.030	0.000	0.2
60	0.2	0.578	0.654	2.062	0.000	0.2
65	0.0	0.552	0.655	2.025	0.000	0.2
70	0.0	0.529	0.639	1.961	0.000	0.2
75	0.0	0.511	0.621	1.899	0.000	0.2
80	0.0	0.493	0.603	1.839	0.000	0.2
85	0.0	0.475	0.586	1.781	0.000	0.2
90	0.0	0.459	0.569	1.725	0.000	0.2
95	0.0	0.443	0.553	1.670	0.000	0.2
100	0.0	0.427	0.537	1.618	0.000	0.2
105	0.0	0.412	0.522	1.566	0.000	0.2
110	0.0	0.397	0.507	1.517	0.000	0.2
115	0.0	0.383	0.493	1.469	0.000	0.2
120	0.0	0.369	0.479	1.423	0.000	0.2

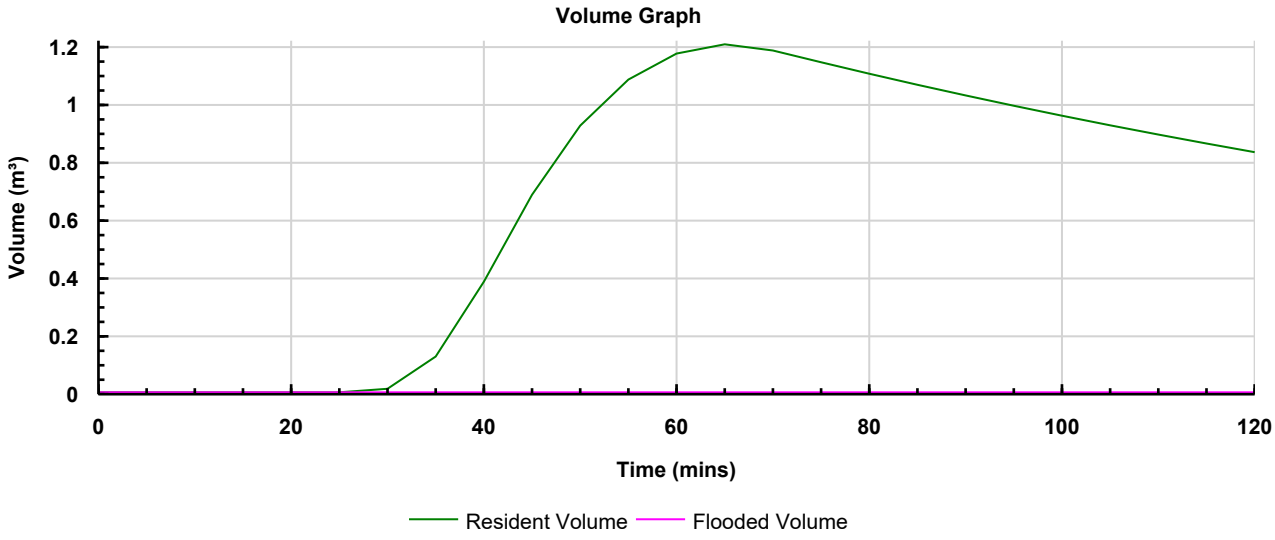
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Infiltration Trench 3
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 60 mins: Summer

Type : Infiltration Trench

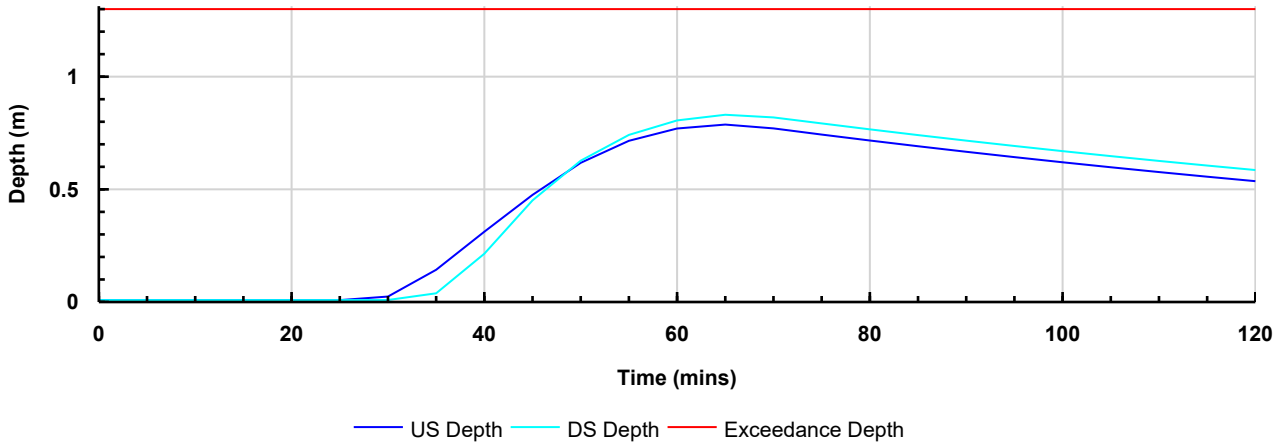
Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Depth Graph



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.0	0.000	0.000	0.000	0.000	0.0
10	0.0	0.000	0.000	0.000	0.000	0.0
15	0.0	0.000	0.000	0.000	0.000	0.0
20	0.0	0.000	0.000	0.000	0.000	0.0
25	0.0	0.000	0.000	0.000	0.000	0.0
30	0.2	0.016	0.001	0.012	0.000	0.0
35	0.7	0.136	0.030	0.124	0.000	0.0
40	1.1	0.306	0.207	0.384	0.000	0.0
45	1.0	0.470	0.446	0.687	0.000	0.1
50	0.8	0.613	0.623	0.927	0.000	0.1
55	0.5	0.712	0.738	1.087	0.000	0.1
60	0.3	0.767	0.803	1.178	0.000	0.1
65	0.1	0.784	0.828	1.210	0.000	0.1
70	0.0	0.767	0.816	1.188	0.000	0.1
75	0.0	0.739	0.789	1.147	0.000	0.1
80	0.0	0.713	0.763	1.107	0.000	0.1
85	0.0	0.687	0.737	1.069	0.000	0.1
90	0.0	0.663	0.712	1.032	0.000	0.1
95	0.0	0.639	0.689	0.996	0.000	0.1
100	0.0	0.616	0.665	0.961	0.000	0.1
105	0.0	0.593	0.643	0.928	0.000	0.1
110	0.0	0.572	0.622	0.896	0.000	0.1
115	0.0	0.551	0.601	0.865	0.000	0.1
120	0.0	0.531	0.581	0.835	0.000	0.1

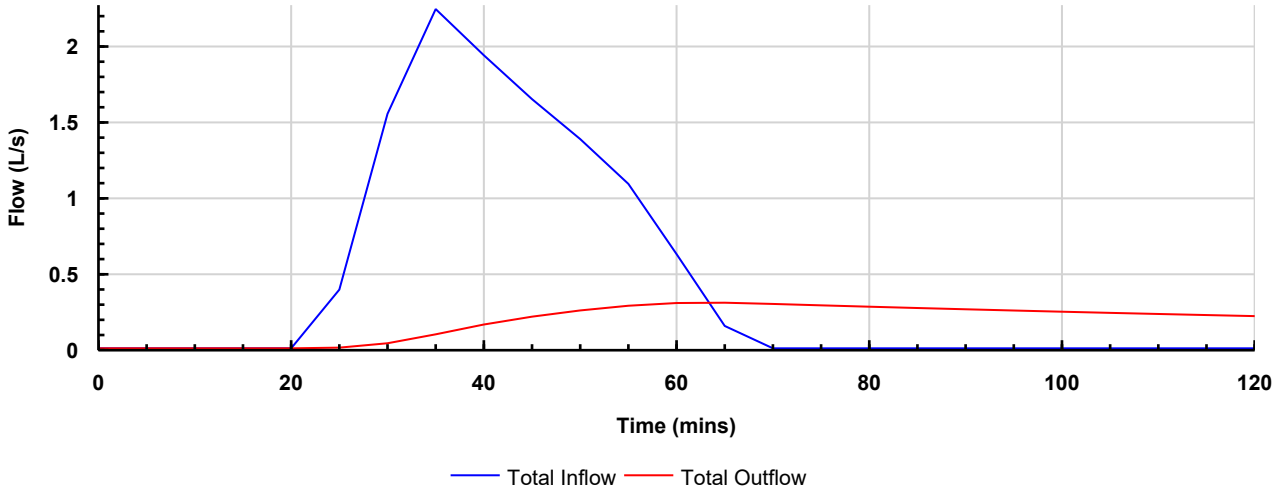
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Infiltration Trench 4
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 60 mins: Summer

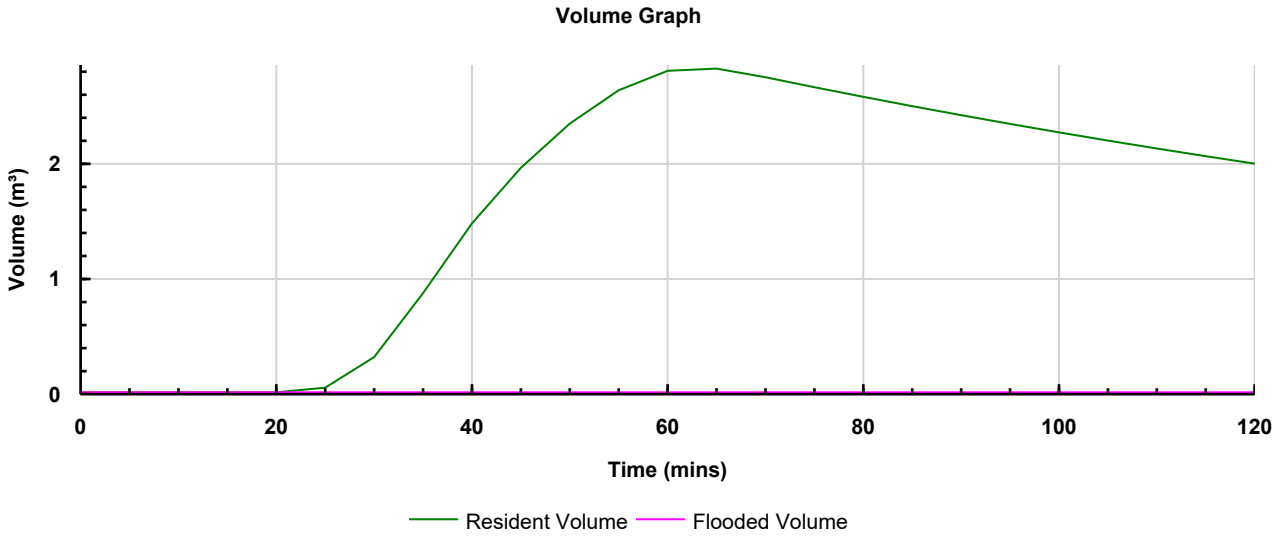
Type : Infiltration Trench

Graphs

Flow Graph

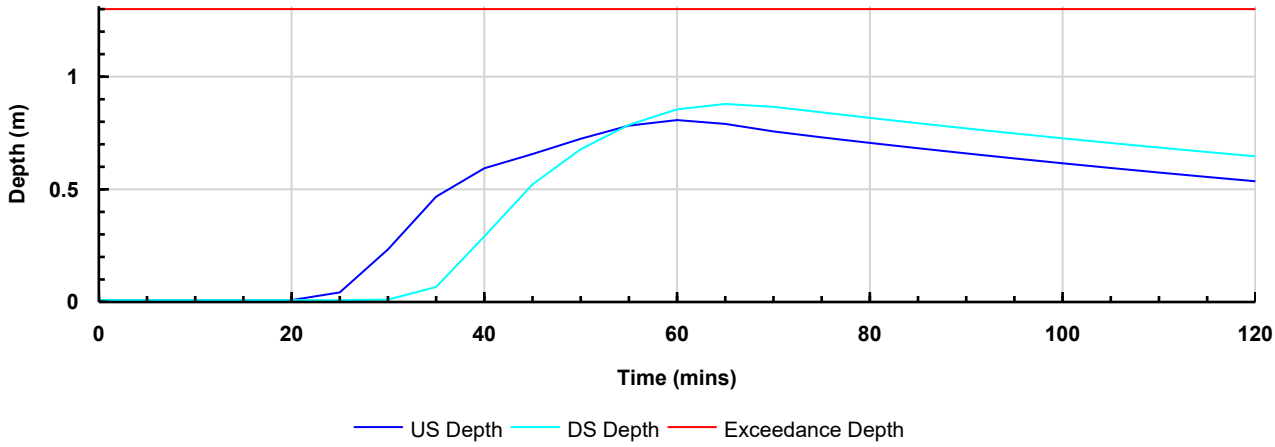


Volume Graph



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Depth Graph



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

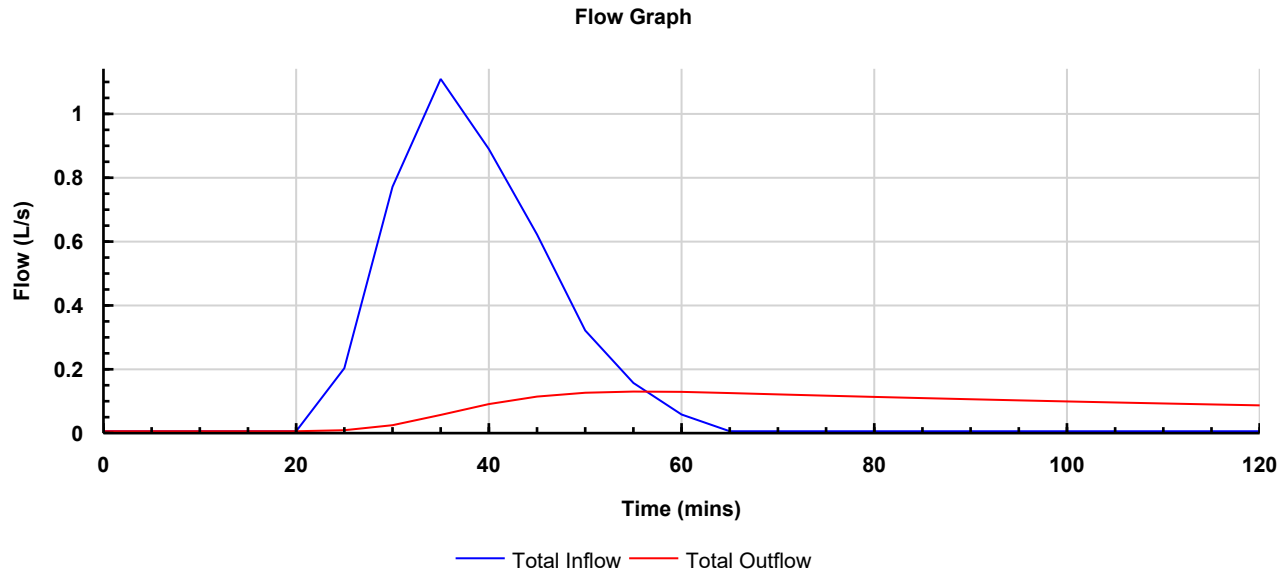
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.0	0.000	0.000	0.000	0.000	0.0
10	0.0	0.000	0.000	0.000	0.000	0.0
15	0.0	0.000	0.000	0.000	0.000	0.0
20	0.0	0.000	0.000	0.000	0.000	0.0
25	0.4	0.034	0.000	0.040	0.000	0.0
30	1.6	0.227	0.002	0.307	0.000	0.0
35	2.2	0.462	0.059	0.866	0.000	0.1
40	1.9	0.589	0.285	1.475	0.000	0.2
45	1.6	0.653	0.517	1.960	0.000	0.2
50	1.4	0.721	0.674	2.347	0.000	0.3
55	1.1	0.779	0.783	2.638	0.000	0.3
60	0.6	0.804	0.852	2.807	0.000	0.3
65	0.1	0.787	0.876	2.827	0.000	0.3
70	0.0	0.754	0.863	2.751	0.000	0.3
75	0.0	0.727	0.839	2.664	0.000	0.3
80	0.0	0.702	0.814	2.580	0.000	0.3
85	0.0	0.678	0.790	2.499	0.000	0.3
90	0.0	0.655	0.767	2.420	0.000	0.3
95	0.0	0.633	0.745	2.344	0.000	0.3
100	0.0	0.611	0.723	2.270	0.000	0.2
105	0.0	0.590	0.702	2.198	0.000	0.2
110	0.0	0.570	0.681	2.129	0.000	0.2
115	0.0	0.550	0.662	2.062	0.000	0.2
120	0.0	0.531	0.642	1.997	0.000	0.2

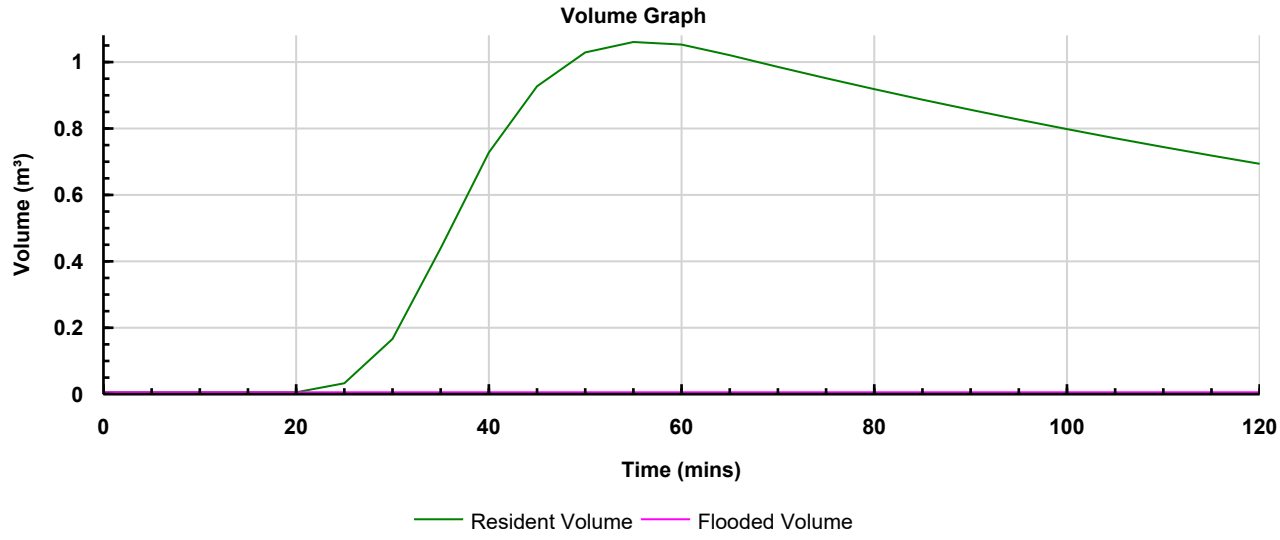
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Infiltration Trench 5
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 60 mins: Summer

Type : Infiltration Trench

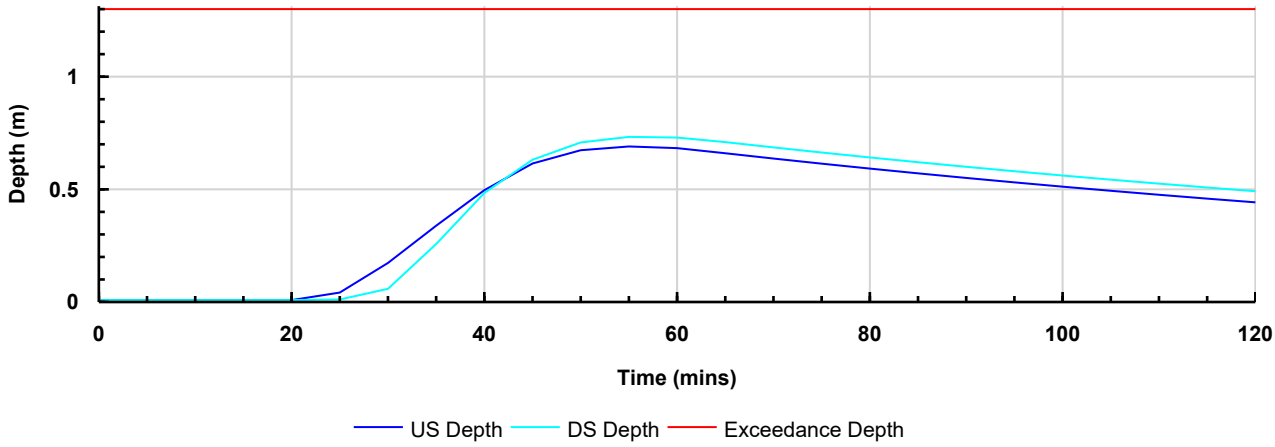
Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Depth Graph



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

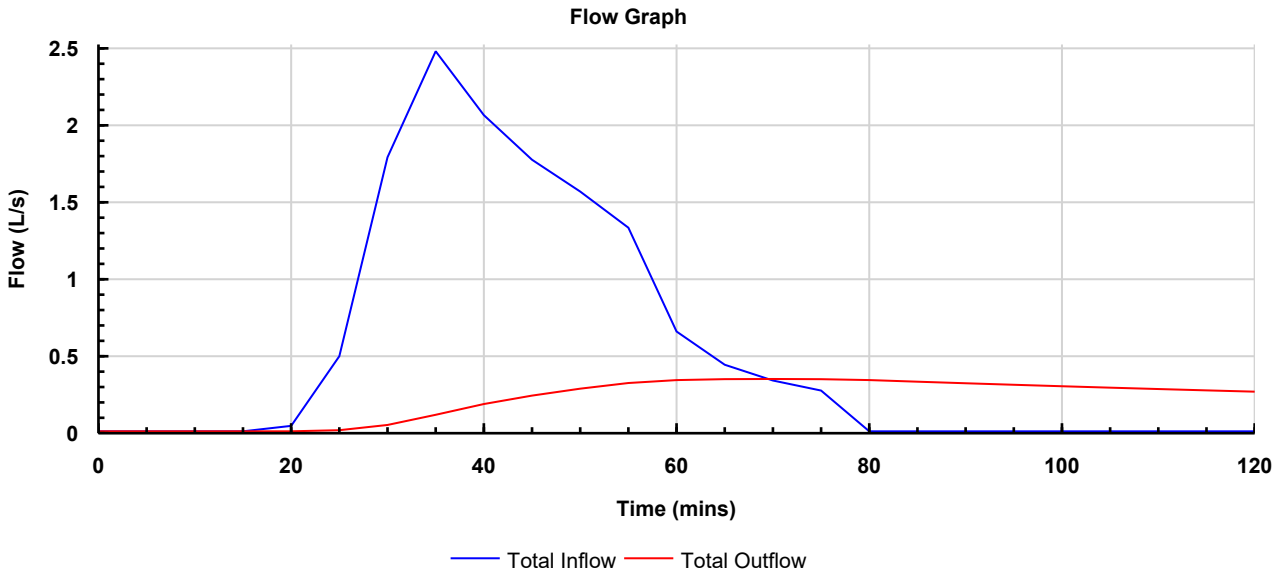
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.0	0.000	0.000	0.000	0.000	0.0
10	0.0	0.000	0.000	0.000	0.000	0.0
15	0.0	0.000	0.000	0.000	0.000	0.0
20	0.0	0.000	0.000	0.000	0.000	0.0
25	0.2	0.034	0.003	0.027	0.000	0.0
30	0.8	0.166	0.050	0.161	0.000	0.0
35	1.1	0.332	0.251	0.436	0.000	0.1
40	0.9	0.491	0.478	0.726	0.000	0.1
45	0.6	0.610	0.627	0.926	0.000	0.1
50	0.3	0.670	0.704	1.029	0.000	0.1
55	0.2	0.686	0.729	1.060	0.000	0.1
60	0.1	0.679	0.726	1.053	0.000	0.1
65	0.0	0.656	0.706	1.020	0.000	0.1
70	0.0	0.632	0.682	0.985	0.000	0.1
75	0.0	0.610	0.659	0.951	0.000	0.1
80	0.0	0.588	0.637	0.918	0.000	0.1
85	0.0	0.566	0.616	0.886	0.000	0.1
90	0.0	0.546	0.596	0.855	0.000	0.1
95	0.0	0.526	0.576	0.825	0.000	0.1
100	0.0	0.507	0.557	0.797	0.000	0.1
105	0.0	0.488	0.538	0.769	0.000	0.1
110	0.0	0.471	0.520	0.742	0.000	0.1
115	0.0	0.453	0.503	0.717	0.000	0.1
120	0.0	0.437	0.486	0.692	0.000	0.1

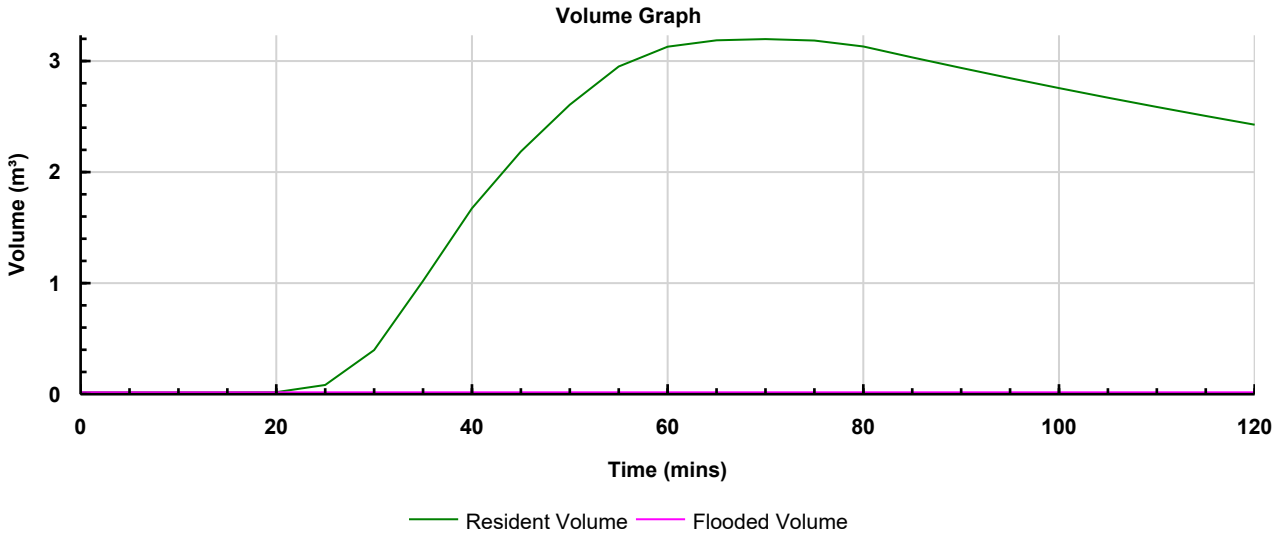
Project - 2080: Ramsbury Manor - Estate Yard	Date: 22/08/2025			
	Designed by: GB	Checked by:	Approved By:	
Report Details: Type: Stormwater Control Results Storm Phase: Phase	Company Address: AFA Consulting Engineers Ltd			

Infiltration Trench 7
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 60 mins: Summer

Type : Infiltration Trench

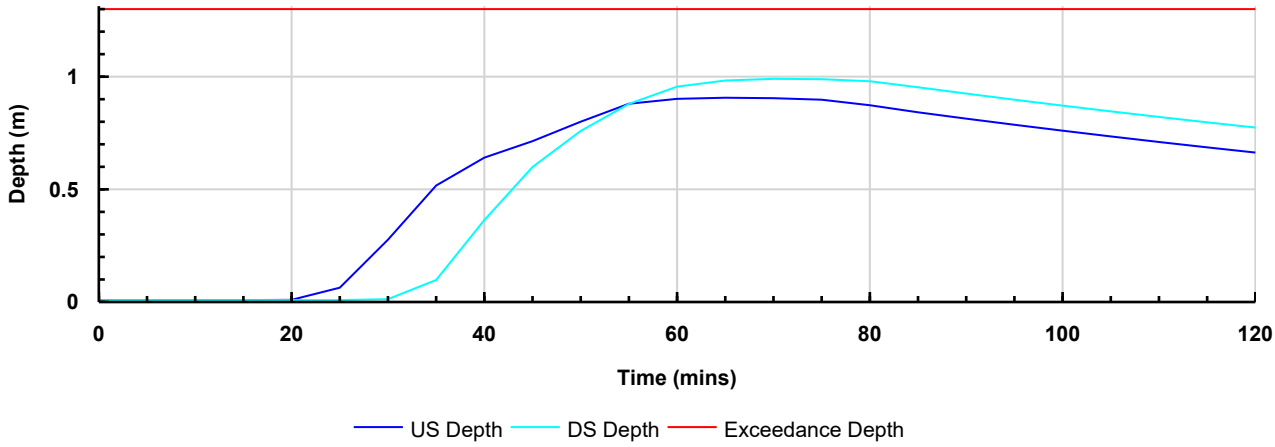
Graphs





Project - 2080: Ramsbury Manor - Estate Yard	Date: 22/08/2025		
	Designed by: GB	Checked by:	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Phase	Company Address: AFA Consulting Engineers Ltd		

Depth Graph



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

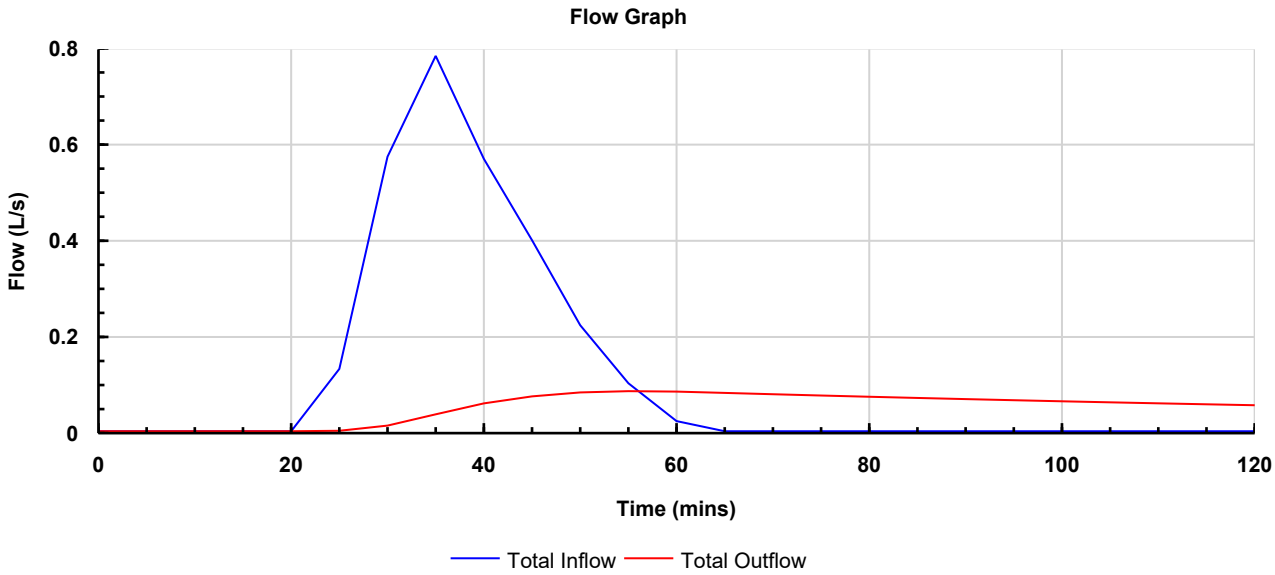
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.0	0.000	0.000	0.000	0.000	0.0
10	0.0	0.000	0.000	0.000	0.000	0.0
15	0.0	0.000	0.000	0.000	0.000	0.0
20	0.0	0.001	0.000	0.001	0.000	0.0
25	0.5	0.056	0.000	0.066	0.000	0.0
30	1.8	0.270	0.004	0.382	0.000	0.0
35	2.5	0.512	0.090	1.009	0.000	0.1
40	2.1	0.636	0.357	1.666	0.000	0.2
45	1.8	0.710	0.595	2.180	0.000	0.2
50	1.6	0.797	0.756	2.603	0.000	0.3
55	1.3	0.877	0.877	2.949	0.000	0.3
60	0.7	0.899	0.954	3.129	0.000	0.3
65	0.4	0.904	0.981	3.186	0.000	0.3
70	0.3	0.902	0.988	3.198	0.000	0.3
75	0.3	0.895	0.987	3.184	0.000	0.3
80	0.0	0.870	0.978	3.131	0.000	0.3
85	0.0	0.839	0.951	3.032	0.000	0.3
90	0.0	0.811	0.923	2.937	0.000	0.3
95	0.0	0.783	0.895	2.844	0.000	0.3
100	0.0	0.757	0.869	2.754	0.000	0.3
105	0.0	0.731	0.843	2.667	0.000	0.3
110	0.0	0.706	0.818	2.583	0.000	0.3
115	0.0	0.682	0.794	2.502	0.000	0.3
120	0.0	0.659	0.771	2.422	0.000	0.3

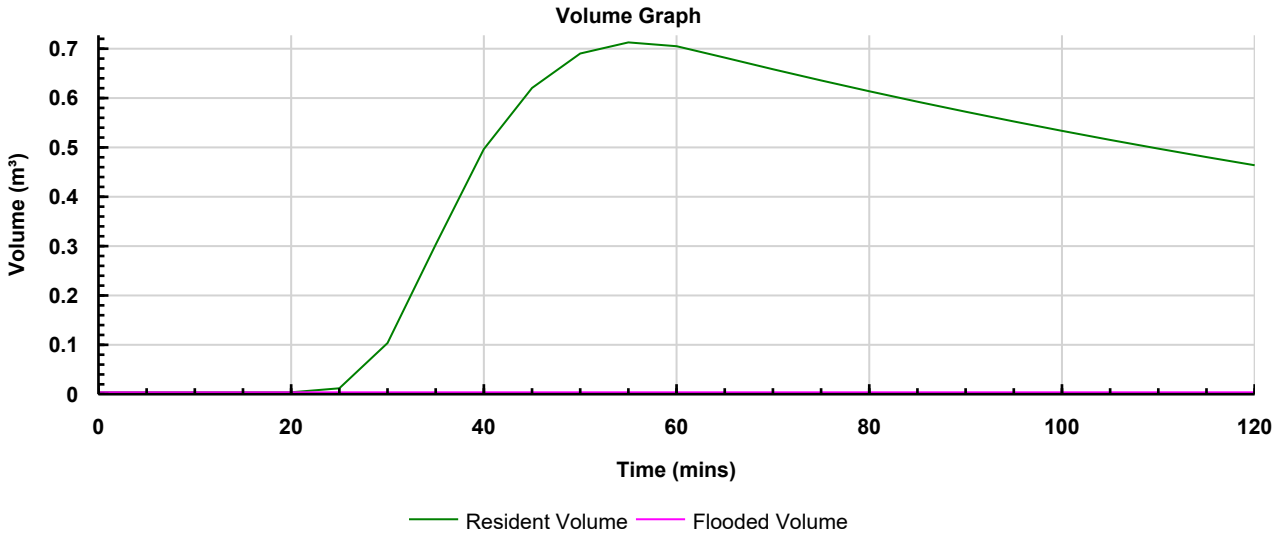
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Infiltration Trench 6
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 60 mins: Summer

Type : Infiltration Trench

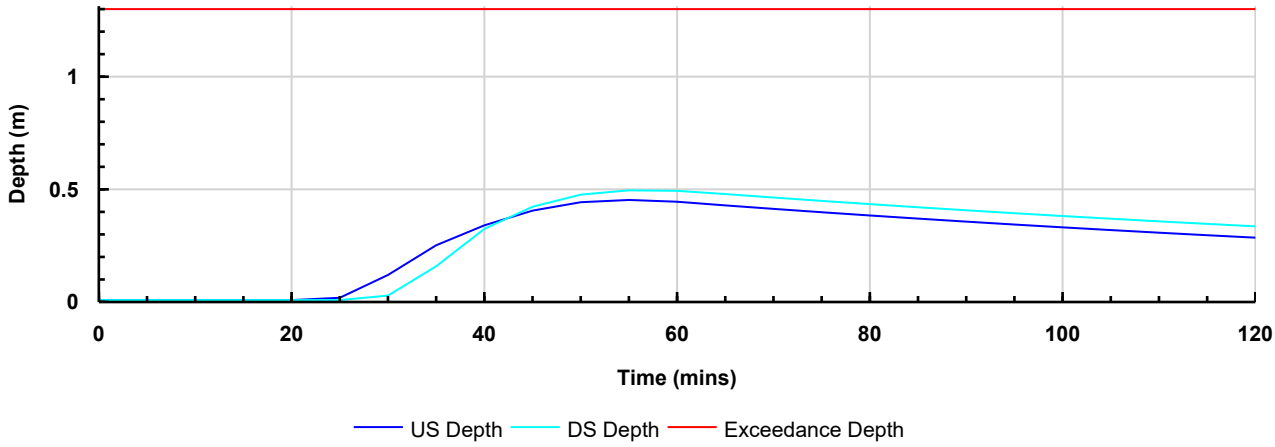
Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Depth Graph



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

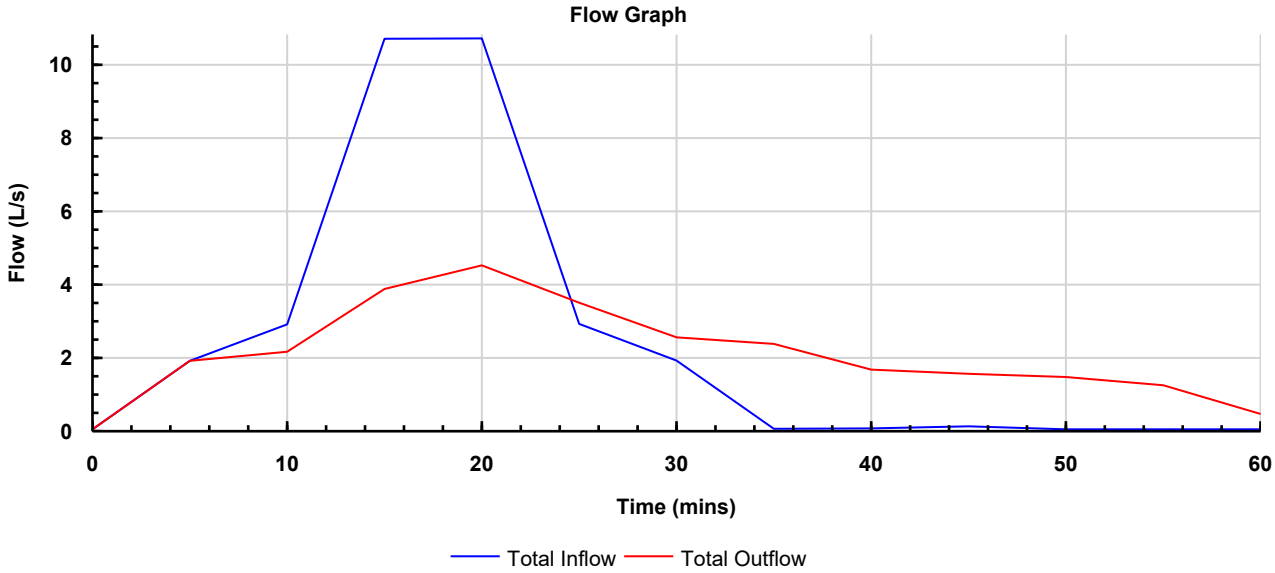
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.0	0.000	0.000	0.000	0.000	0.0
10	0.0	0.000	0.000	0.000	0.000	0.0
15	0.0	0.000	0.000	0.000	0.000	0.0
20	0.0	0.000	0.000	0.000	0.000	0.0
25	0.1	0.010	0.000	0.008	0.000	0.0
30	0.6	0.112	0.020	0.100	0.000	0.0
35	0.8	0.245	0.151	0.301	0.000	0.0
40	0.6	0.334	0.318	0.495	0.000	0.1
45	0.4	0.400	0.417	0.620	0.000	0.1
50	0.2	0.437	0.471	0.690	0.000	0.1
55	0.1	0.447	0.490	0.713	0.000	0.1
60	0.0	0.439	0.488	0.705	0.000	0.1
65	0.0	0.423	0.474	0.682	0.000	0.1
70	0.0	0.408	0.458	0.658	0.000	0.1
75	0.0	0.393	0.443	0.635	0.000	0.1
80	0.0	0.378	0.429	0.613	0.000	0.1
85	0.0	0.364	0.415	0.592	0.000	0.1
90	0.0	0.351	0.401	0.572	0.000	0.1
95	0.0	0.338	0.388	0.552	0.000	0.1
100	0.0	0.325	0.376	0.533	0.000	0.1
105	0.0	0.313	0.363	0.514	0.000	0.1
110	0.0	0.301	0.352	0.496	0.000	0.1
115	0.0	0.290	0.340	0.479	0.000	0.1
120	0.0	0.279	0.330	0.462	0.000	0.1

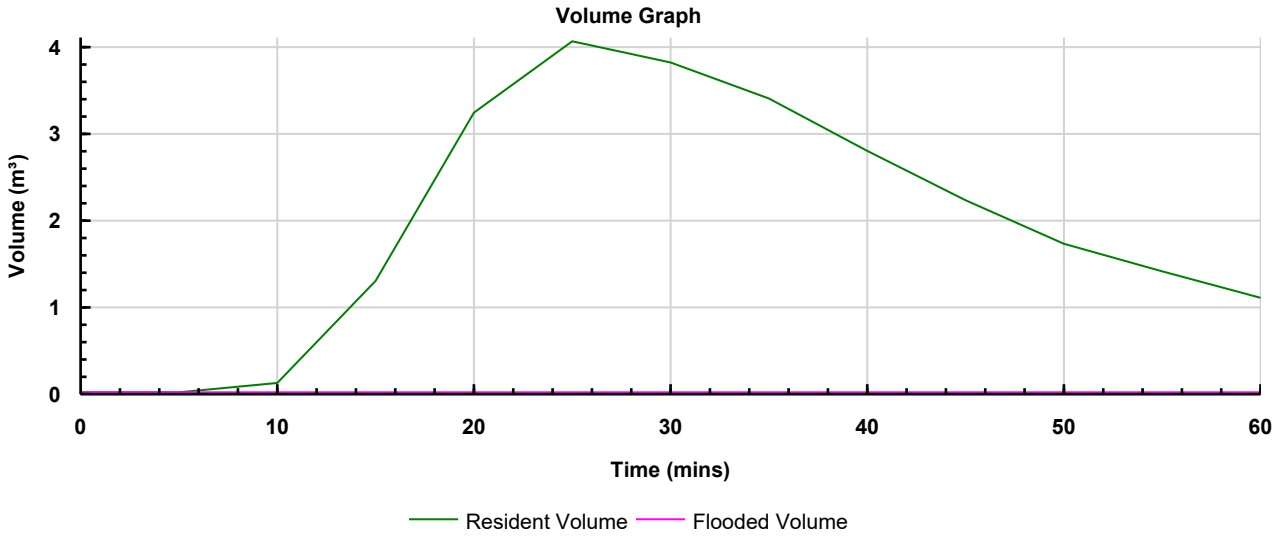
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Porous Paving
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 30 mins: Summer

Type : Porous Paving

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
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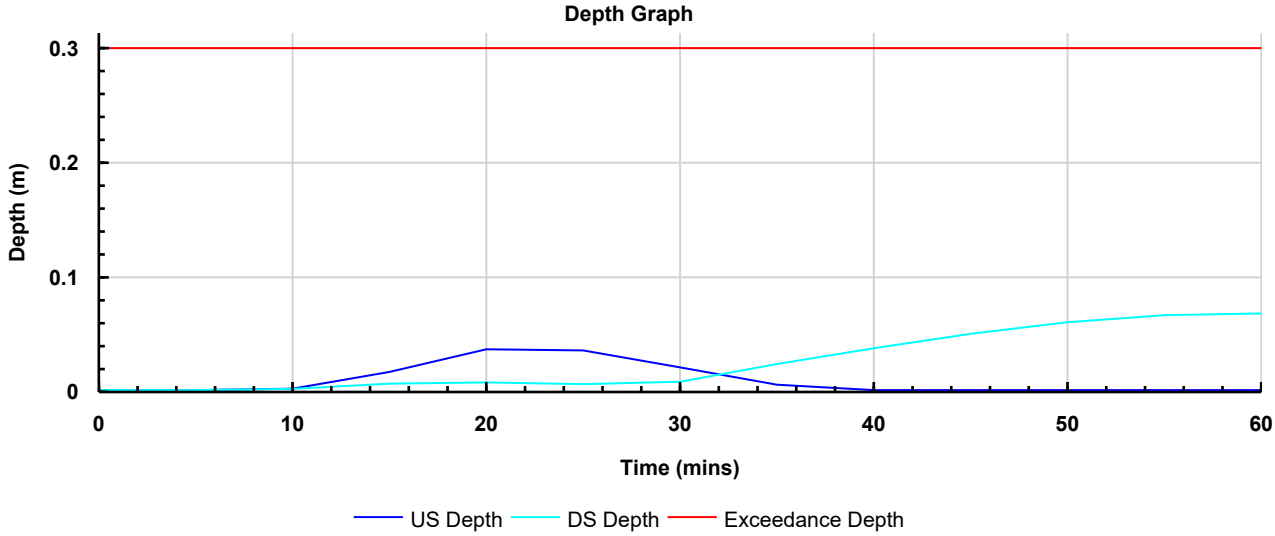
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

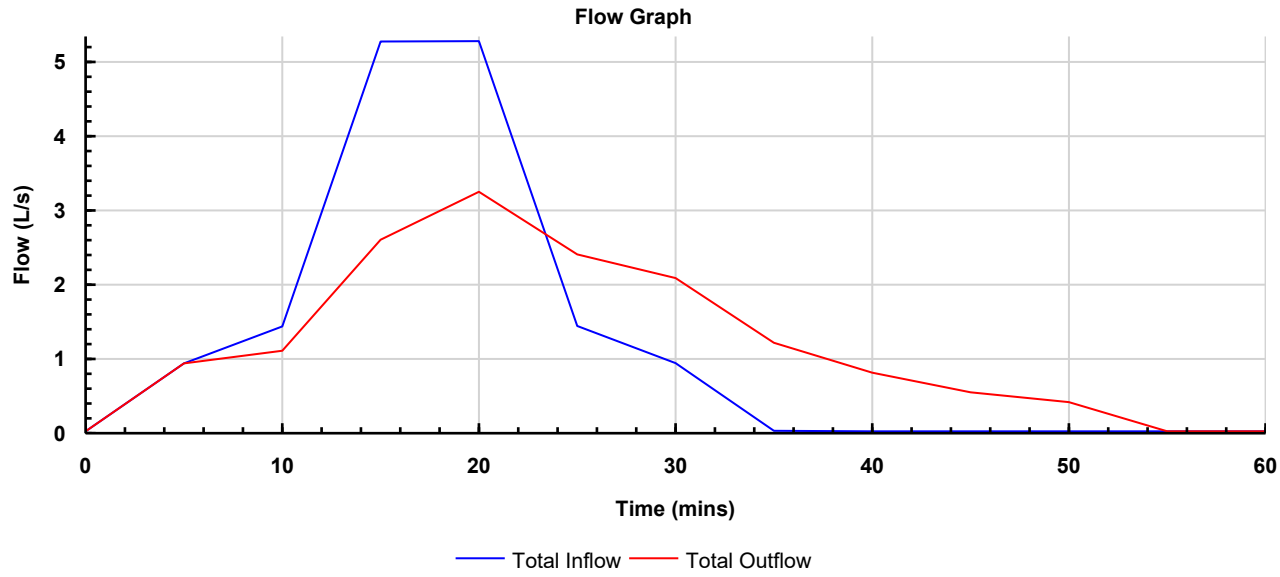
Tables

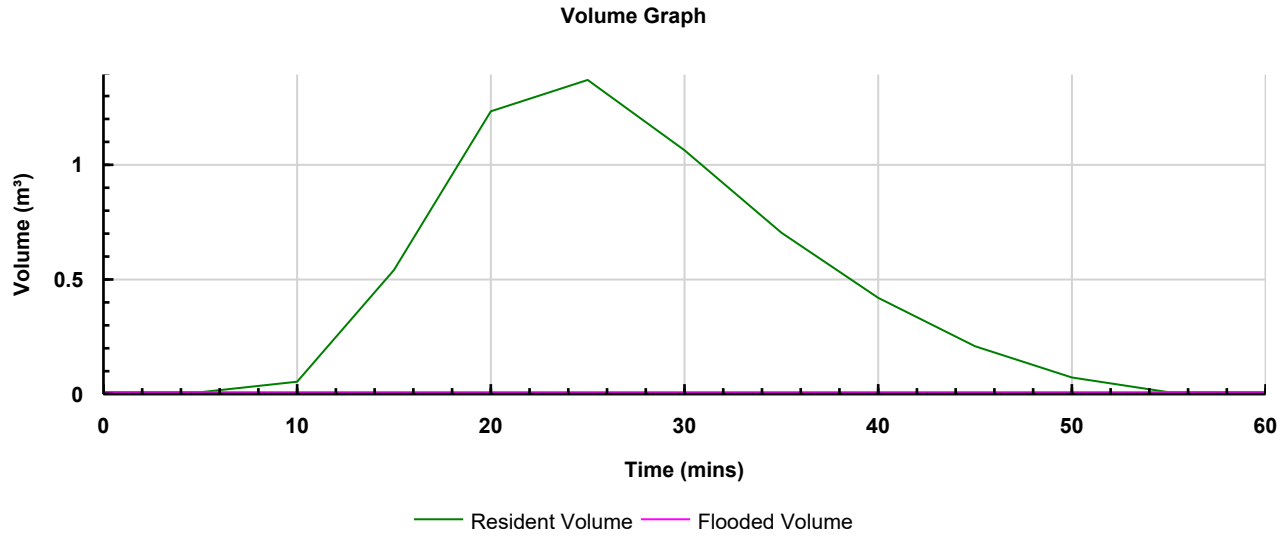
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	1.9	0.000	0.000	0.000	0.000	1.9
10	2.9	0.001	0.001	0.108	0.000	2.1
15	10.7	0.016	0.006	1.291	0.000	3.8
20	10.7	0.036	0.007	3.240	0.000	4.5
25	2.9	0.035	0.005	4.067	0.000	3.5
30	1.9	0.020	0.007	3.822	0.000	2.5
35	0.0	0.005	0.023	3.405	0.000	2.3
40	0.0	0.000	0.037	2.798	0.000	1.6
45	0.1	0.000	0.049	2.225	0.000	1.5
50	0.0	0.000	0.060	1.721	0.000	1.4
55	0.0	0.000	0.066	1.401	0.000	1.2
60	0.0	0.000	0.067	1.095	0.000	0.4

Porous Paving 2
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 30 mins: Summer

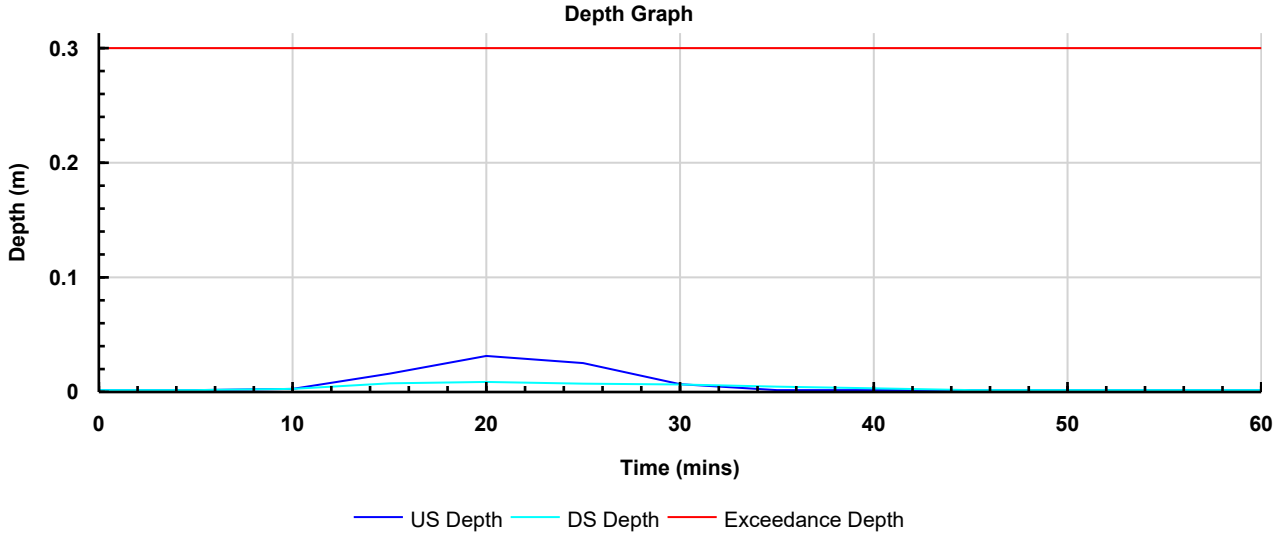
Type : Porous Paving

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

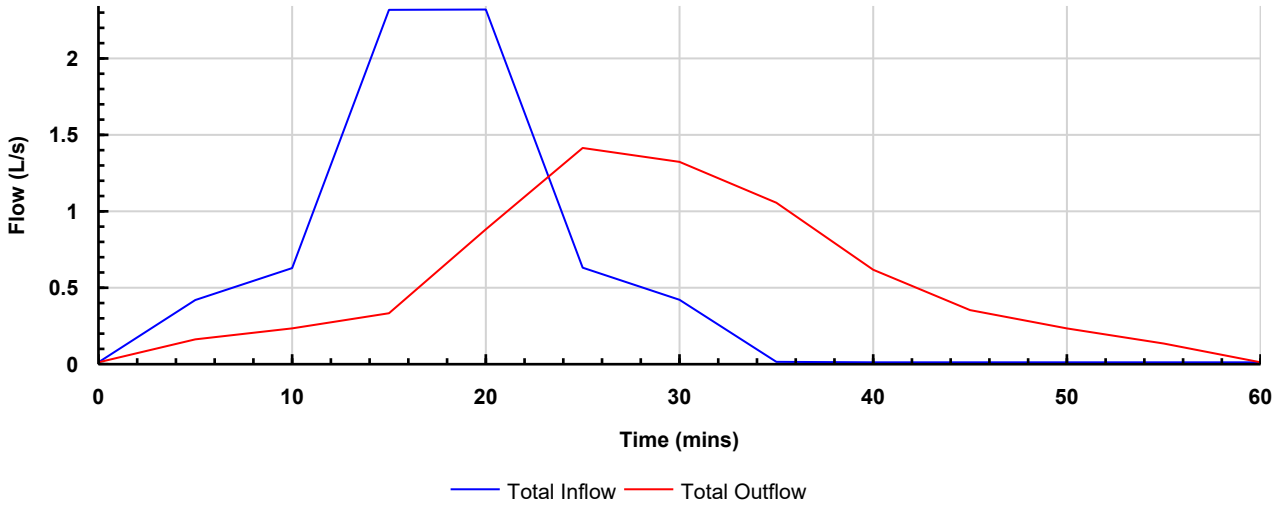
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.9	0.000	0.000	0.000	0.000	0.9
10	1.4	0.001	0.001	0.046	0.000	1.1
15	5.3	0.014	0.006	0.536	0.000	2.6
20	5.3	0.030	0.007	1.232	0.000	3.2
25	1.4	0.024	0.006	1.370	0.000	2.4
30	0.9	0.005	0.005	1.062	0.000	2.1
35	0.0	0.000	0.003	0.700	0.000	1.2
40	0.0	0.000	0.002	0.414	0.000	0.8
45	0.0	0.000	0.000	0.202	0.000	0.5
50	0.0	0.000	0.000	0.065	0.000	0.4
55	0.0	0.000	0.000	0.000	0.000	0.0
60	0.0	0.000	0.000	0.000	0.000	0.0

Porous Paving 3
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 30 mins: Summer

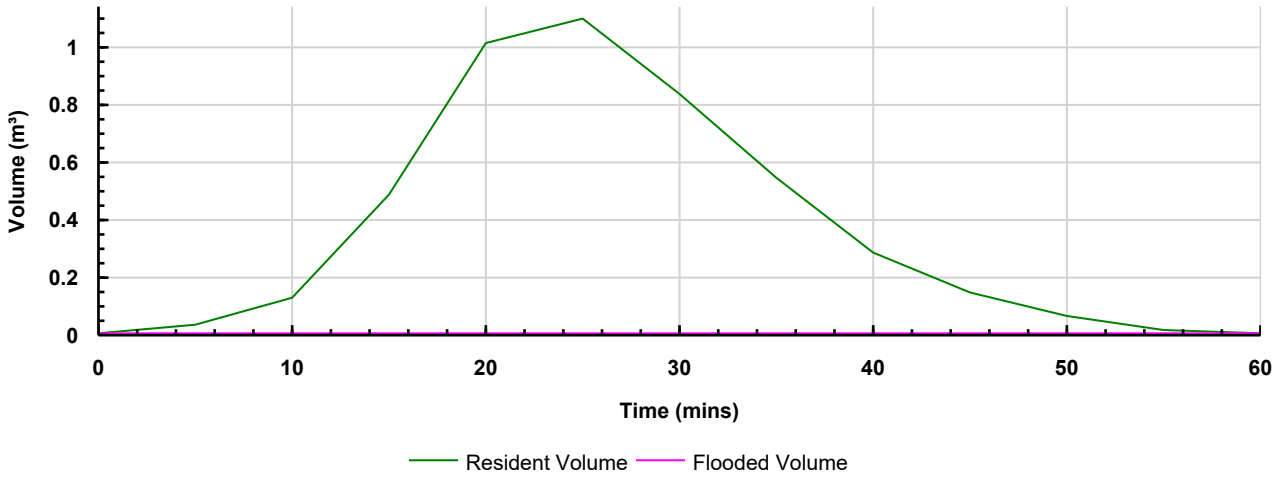
Type : Porous Paving

Graphs

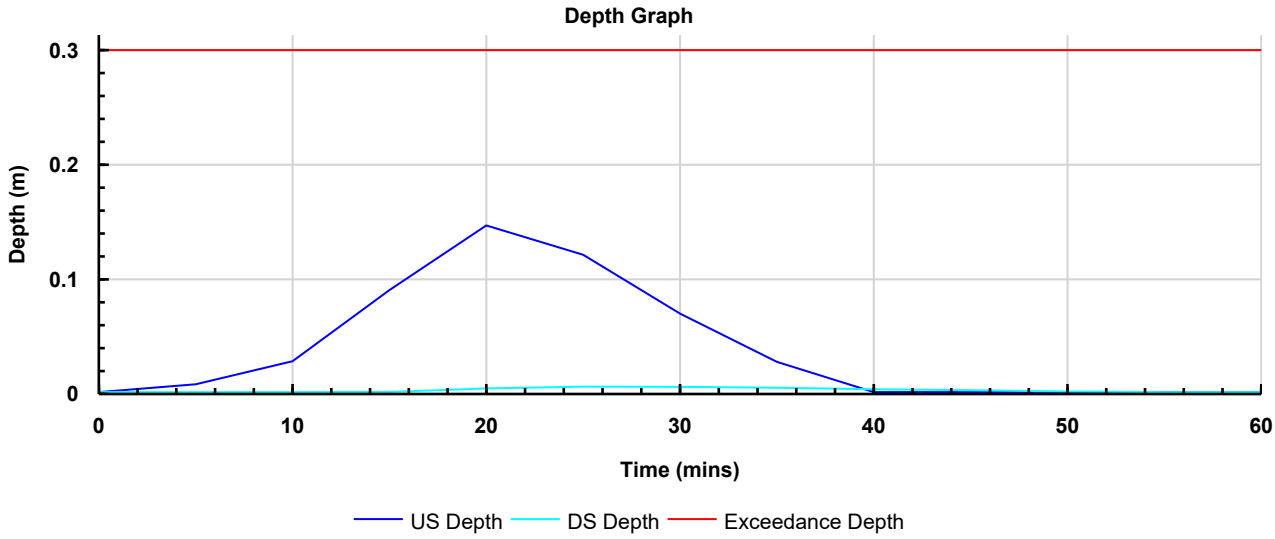
Flow Graph



Volume Graph



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

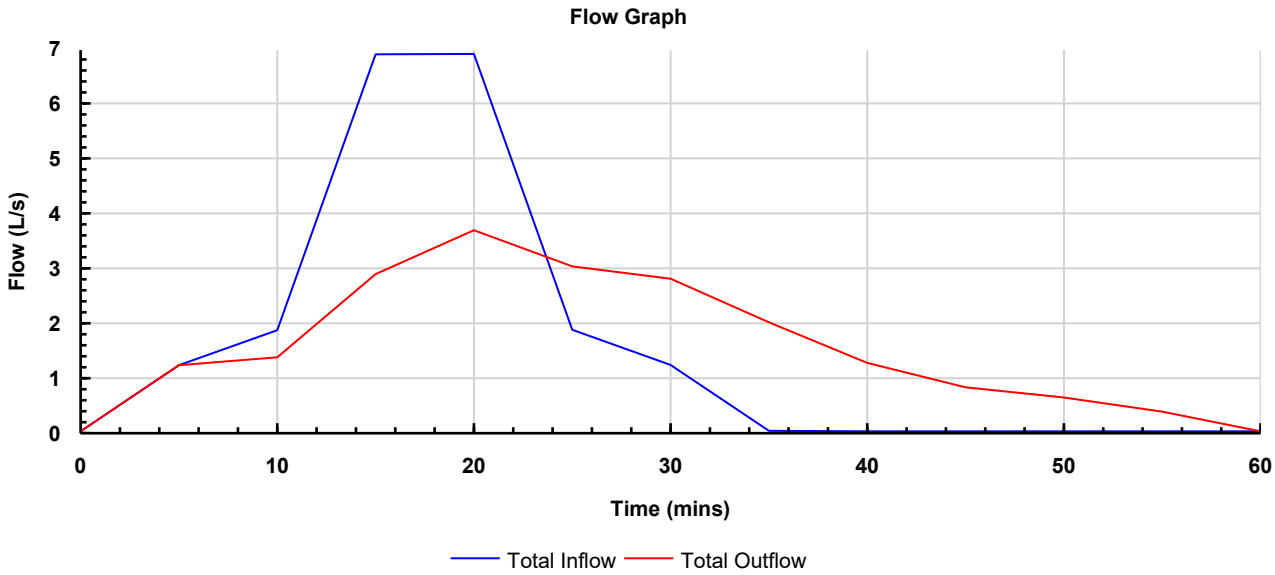
Tables

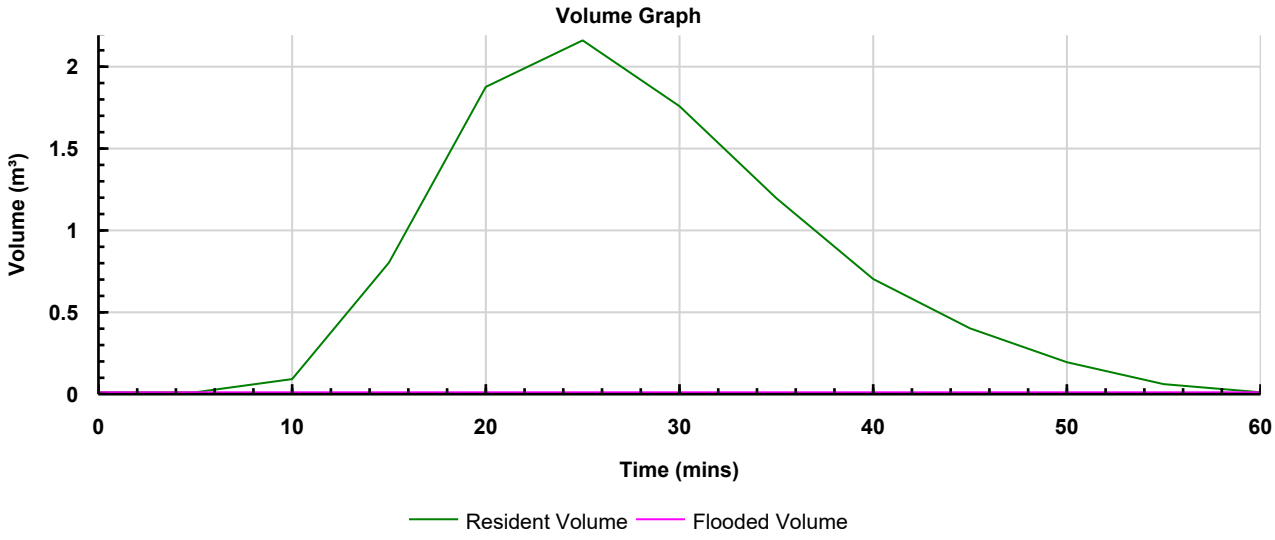
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.4	0.007	0.000	0.030	0.000	0.2
10	0.6	0.027	0.000	0.124	0.000	0.2
15	2.3	0.089	0.000	0.485	0.000	0.3
20	2.3	0.146	0.003	1.014	0.000	0.9
25	0.6	0.120	0.005	1.100	0.000	1.4
30	0.4	0.069	0.005	0.836	0.000	1.3
35	0.0	0.027	0.004	0.543	0.000	1.0
40	0.0	0.000	0.003	0.282	0.000	0.6
45	0.0	0.000	0.002	0.143	0.000	0.3
50	0.0	0.000	0.001	0.061	0.000	0.2
55	0.0	0.000	0.000	0.011	0.000	0.1
60	0.0	0.000	0.000	0.000	0.000	0.0

Porous Paving 4
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 30 mins: Summer

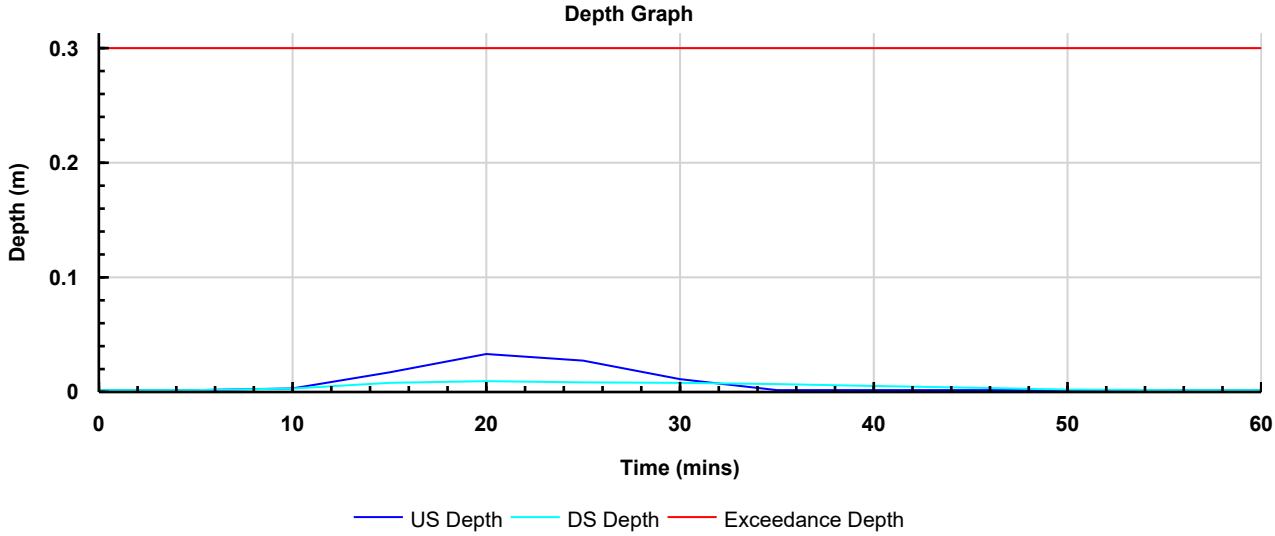
Type : Porous Paving

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

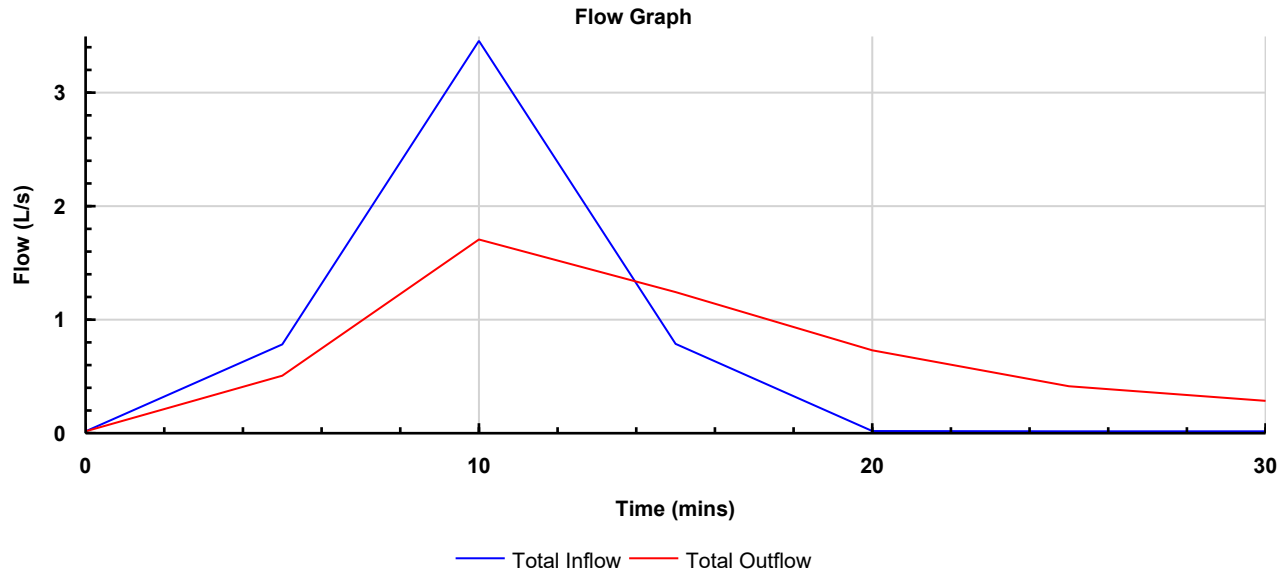
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	1.2	0.000	0.000	0.000	0.000	1.2
10	1.8	0.001	0.001	0.081	0.000	1.4
15	6.9	0.016	0.006	0.796	0.000	2.9
20	6.9	0.032	0.008	1.875	0.000	3.7
25	1.9	0.026	0.007	2.160	0.000	3.0
30	1.2	0.010	0.006	1.756	0.000	2.8
35	0.0	0.000	0.005	1.192	0.000	2.0
40	0.0	0.000	0.004	0.696	0.000	1.3
45	0.0	0.000	0.002	0.392	0.000	0.8
50	0.0	0.000	0.000	0.185	0.000	0.6
55	0.0	0.000	0.000	0.050	0.000	0.4
60	0.0	0.000	0.000	0.000	0.000	0.0

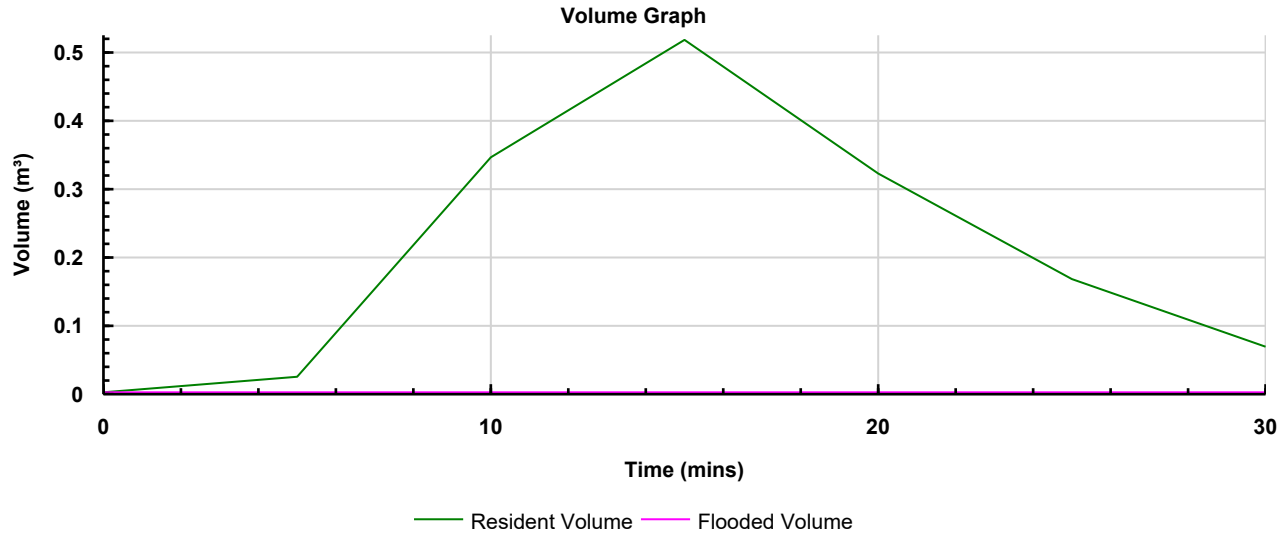
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Porous Paving 5
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

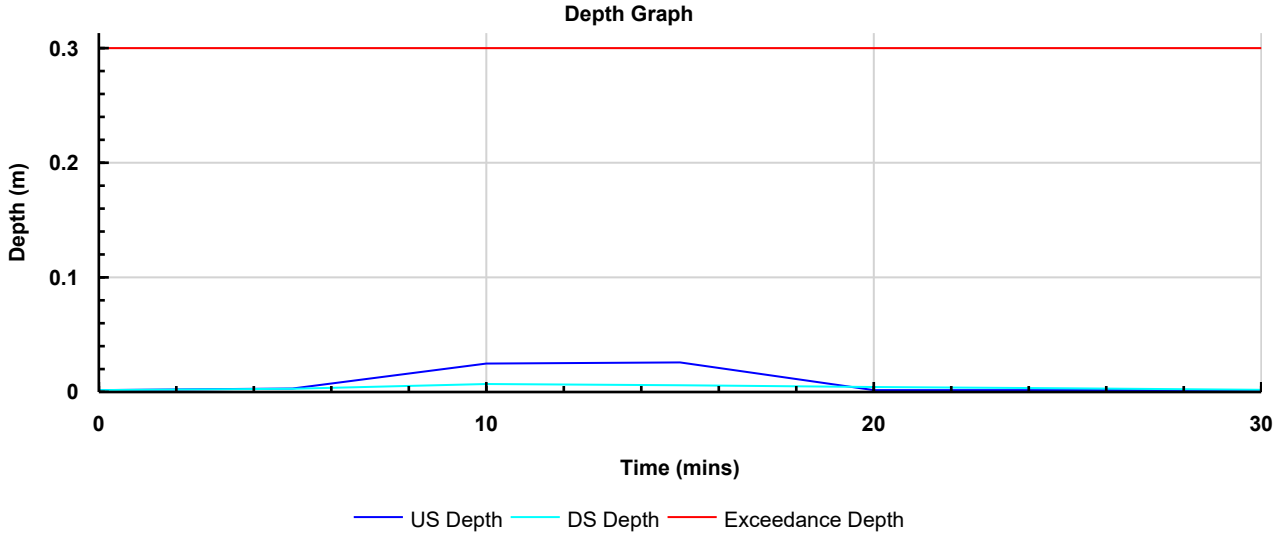
Type : Porous Paving

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

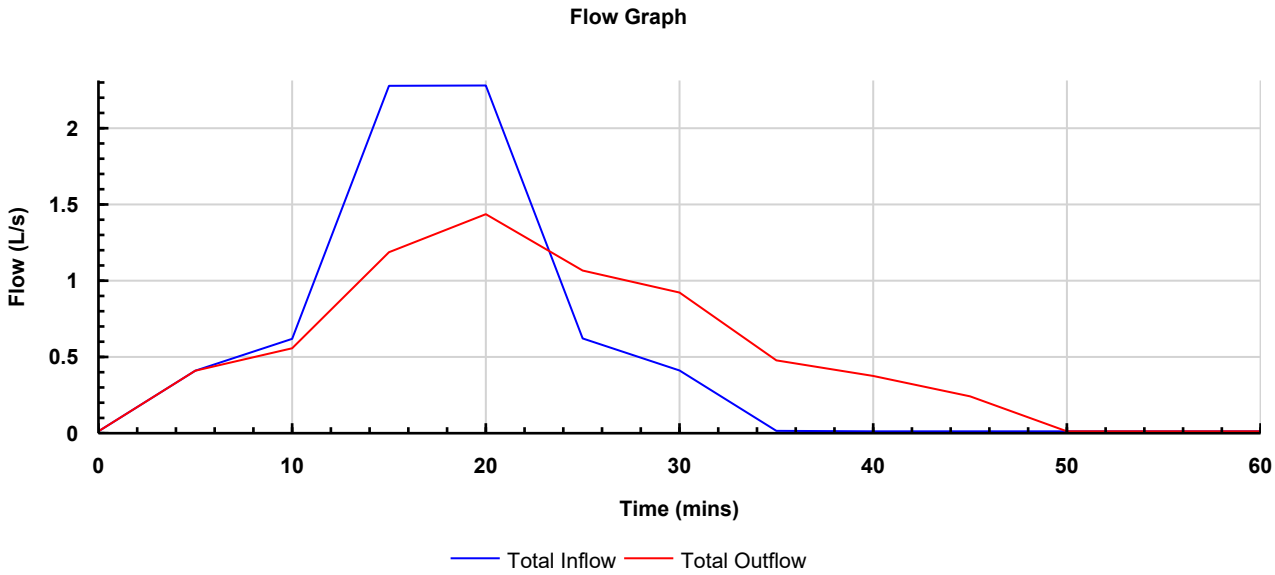
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.8	0.001	0.001	0.023	0.000	0.5
10	3.5	0.023	0.005	0.346	0.000	1.7
15	0.8	0.024	0.004	0.518	0.000	1.2
20	0.0	0.000	0.003	0.322	0.000	0.7
25	0.0	0.000	0.002	0.167	0.000	0.4
30	0.0	0.000	0.000	0.067	0.000	0.3

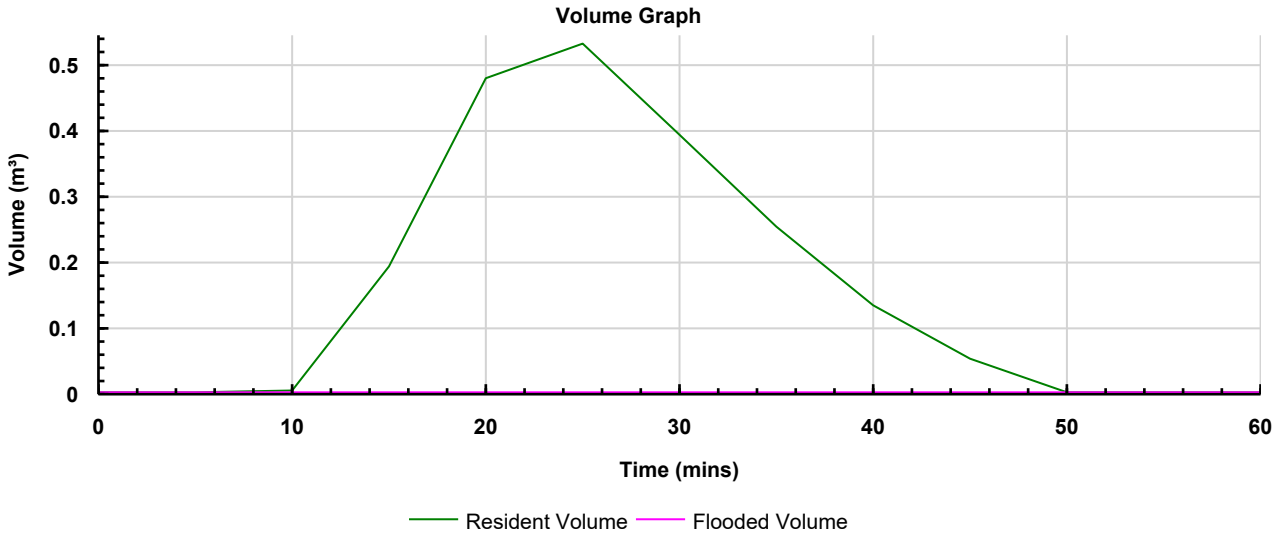
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Porous Paving 6
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 30 mins: Summer

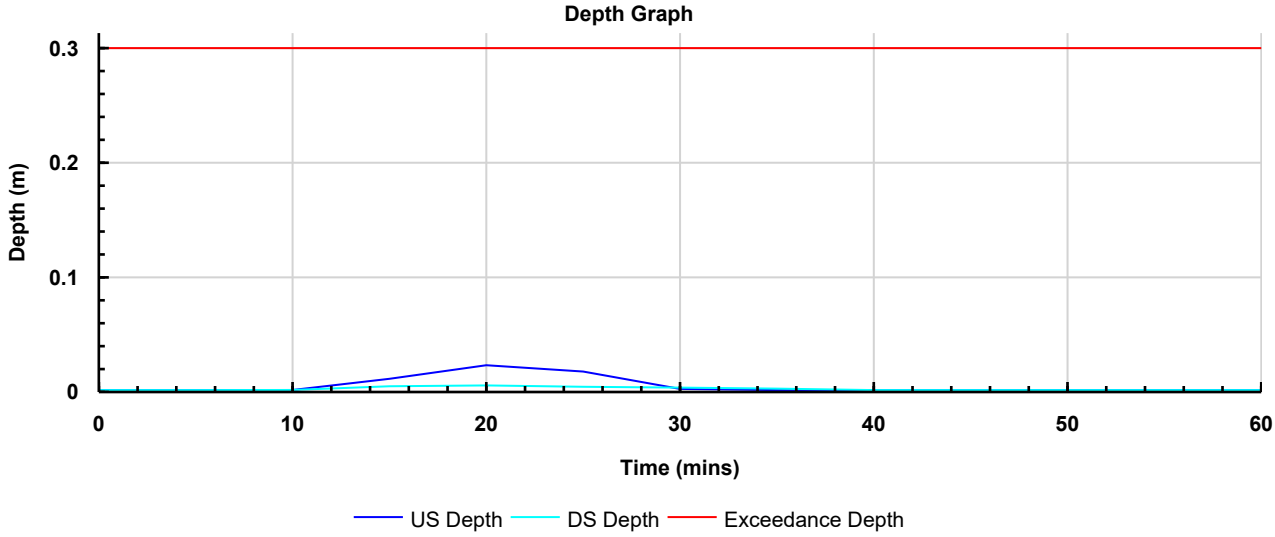
Type : Porous Paving

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

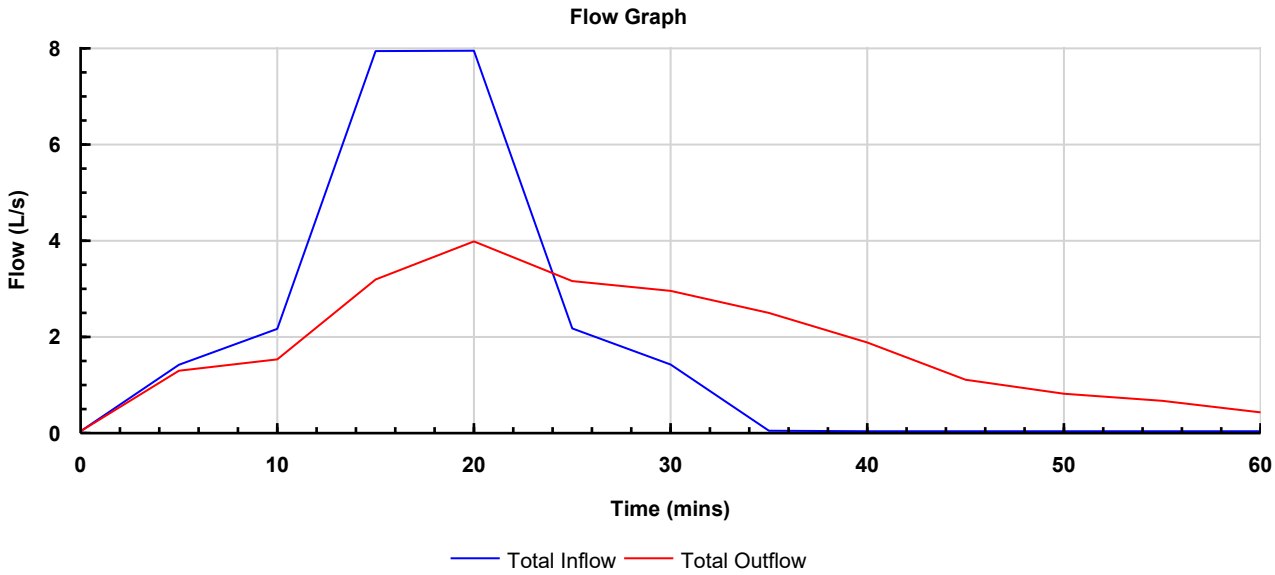
Tables

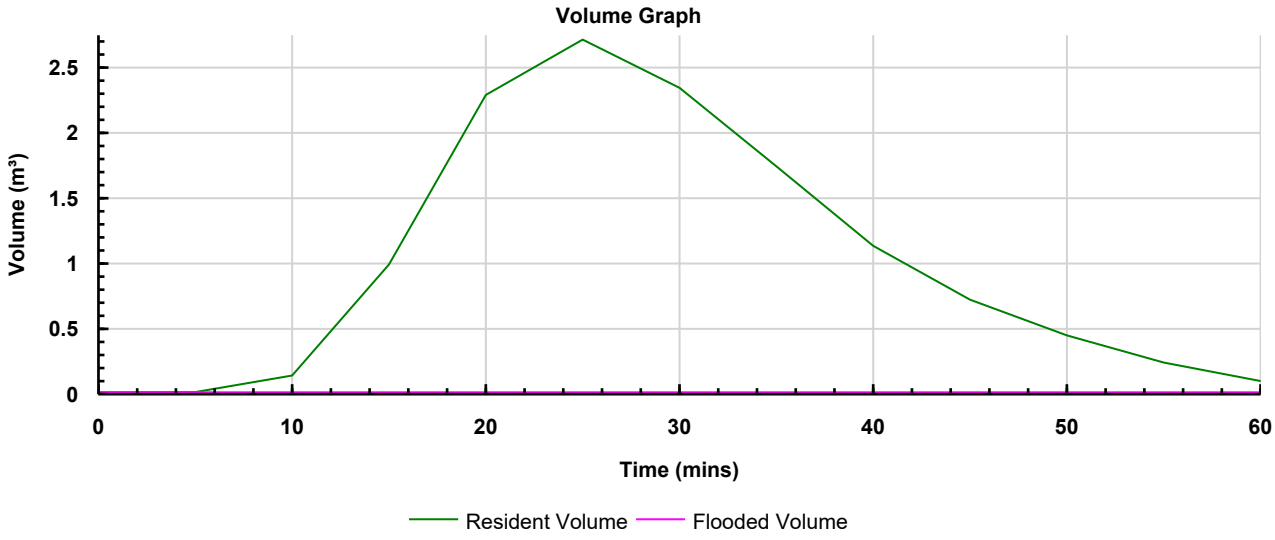
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.4	0.000	0.000	0.000	0.000	0.4
10	0.6	0.000	0.000	0.003	0.000	0.5
15	2.3	0.010	0.003	0.192	0.000	1.2
20	2.3	0.022	0.004	0.480	0.000	1.4
25	0.6	0.016	0.003	0.533	0.000	1.1
30	0.4	0.001	0.002	0.393	0.000	0.9
35	0.0	0.000	0.001	0.253	0.000	0.5
40	0.0	0.000	0.000	0.133	0.000	0.4
45	0.0	0.000	0.000	0.051	0.000	0.2
50	0.0	0.000	0.000	0.000	0.000	0.0
55	0.0	0.000	0.000	0.000	0.000	0.0
60	0.0	0.000	0.000	0.000	0.000	0.0

Porous Paving 7
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 30 mins: Summer

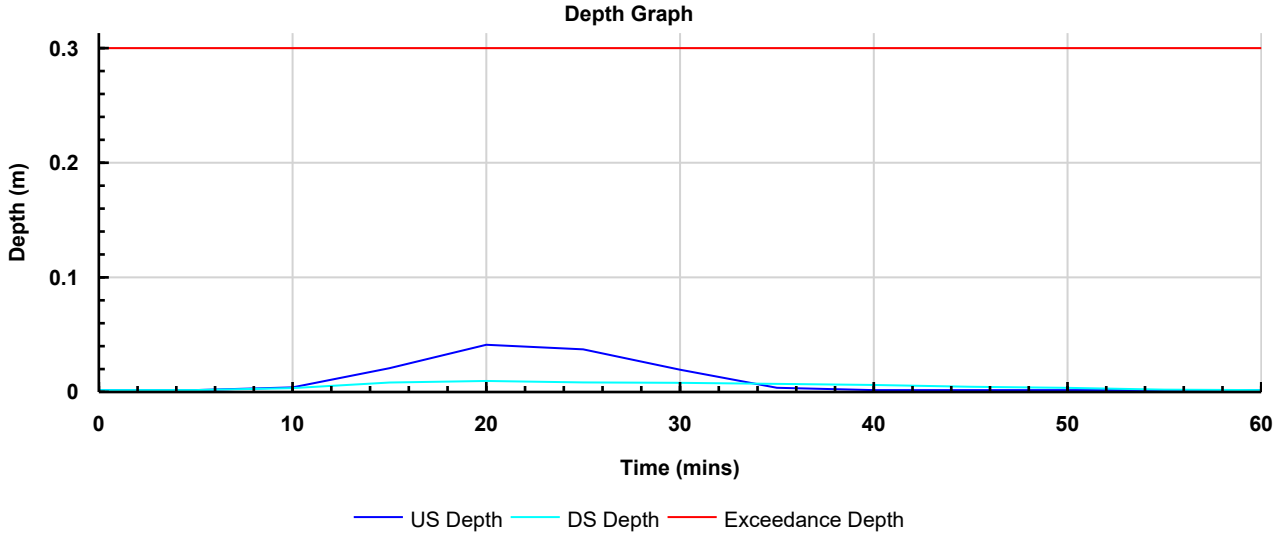
Type : Porous Paving

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

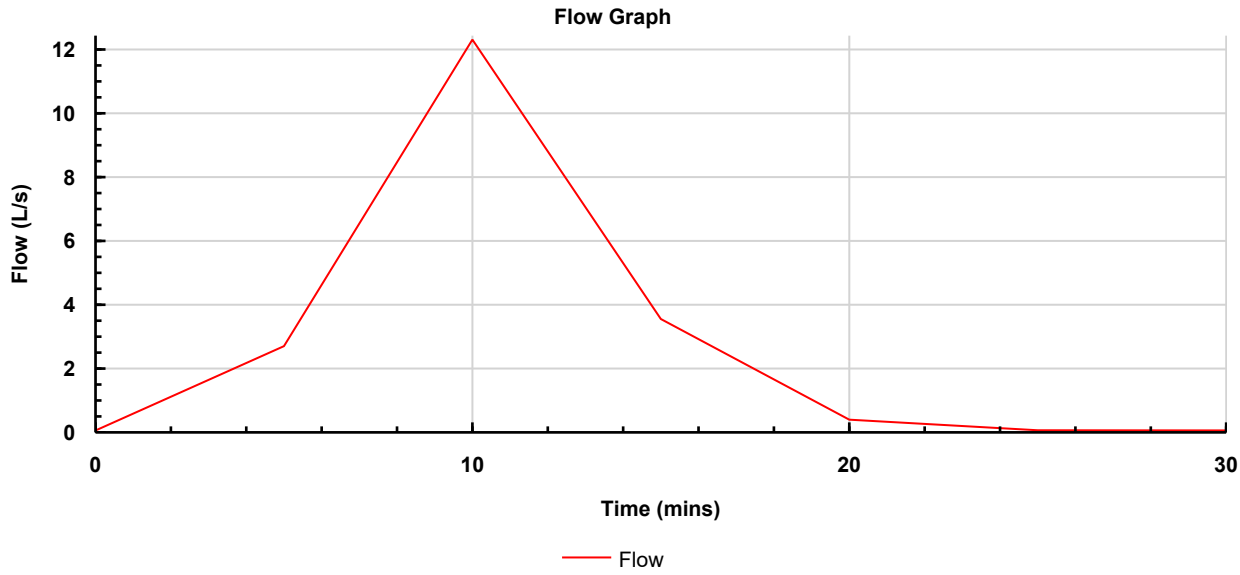
Tables

Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	1.4	0.000	0.000	0.002	0.000	1.3
10	2.1	0.002	0.002	0.129	0.000	1.5
15	7.9	0.019	0.007	0.984	0.000	3.2
20	7.9	0.040	0.008	2.288	0.000	4.0
25	2.1	0.036	0.007	2.714	0.000	3.1
30	1.4	0.018	0.006	2.343	0.000	2.9
35	0.0	0.002	0.005	1.739	0.000	2.5
40	0.0	0.000	0.005	1.127	0.000	1.9
45	0.0	0.000	0.003	0.713	0.000	1.1
50	0.0	0.000	0.002	0.438	0.000	0.8
55	0.0	0.000	0.000	0.229	0.000	0.6
60	0.0	0.000	0.000	0.087	0.000	0.4

Pipe
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



Tables

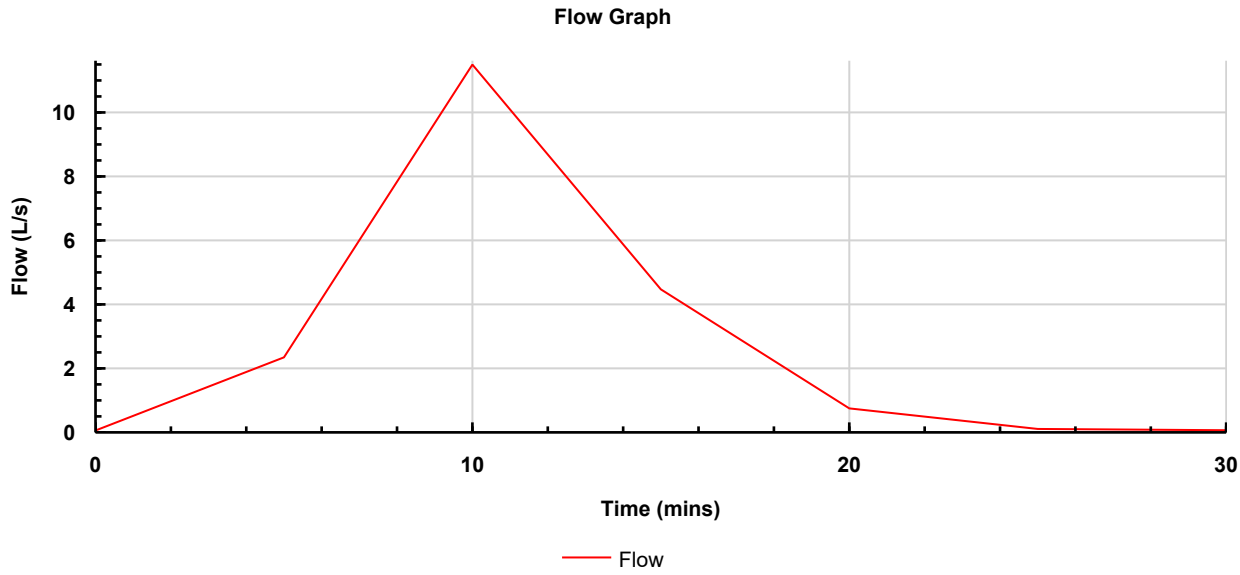
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.038	2.7
10	0.094	12.3
15	0.048	3.5
20	0.017	0.3
25	0.004	0.0
30	0.002	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Connection Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Pipe (1)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



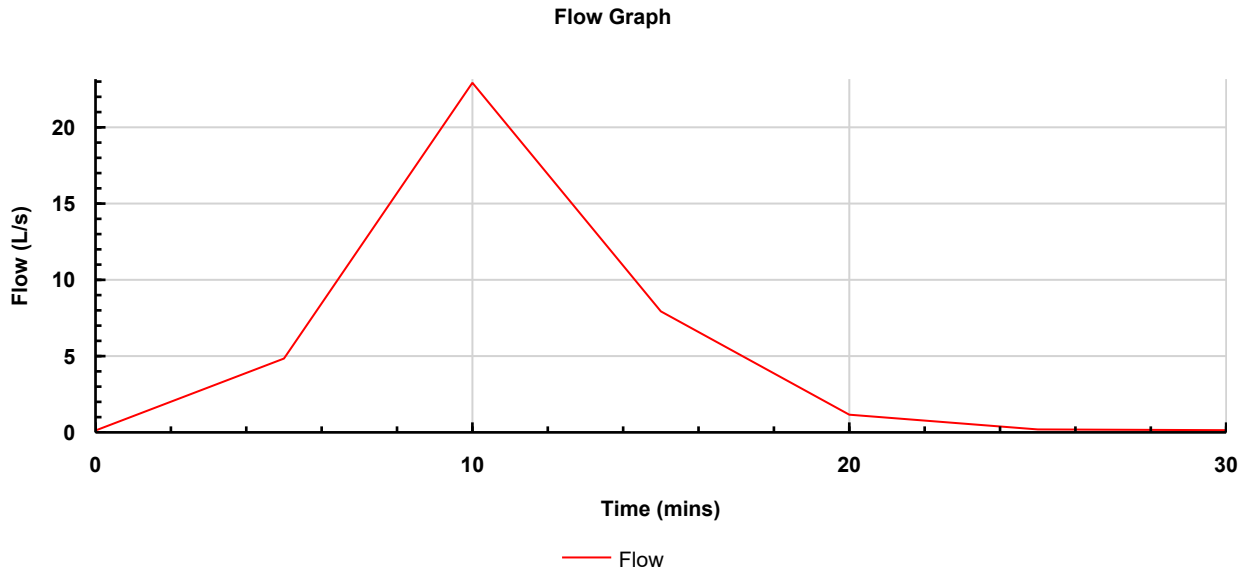
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.042	2.3
10	0.107	11.5
15	0.055	4.4
20	0.021	0.7
25	0.006	0.0
30	0.003	0.0

Pipe (2)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



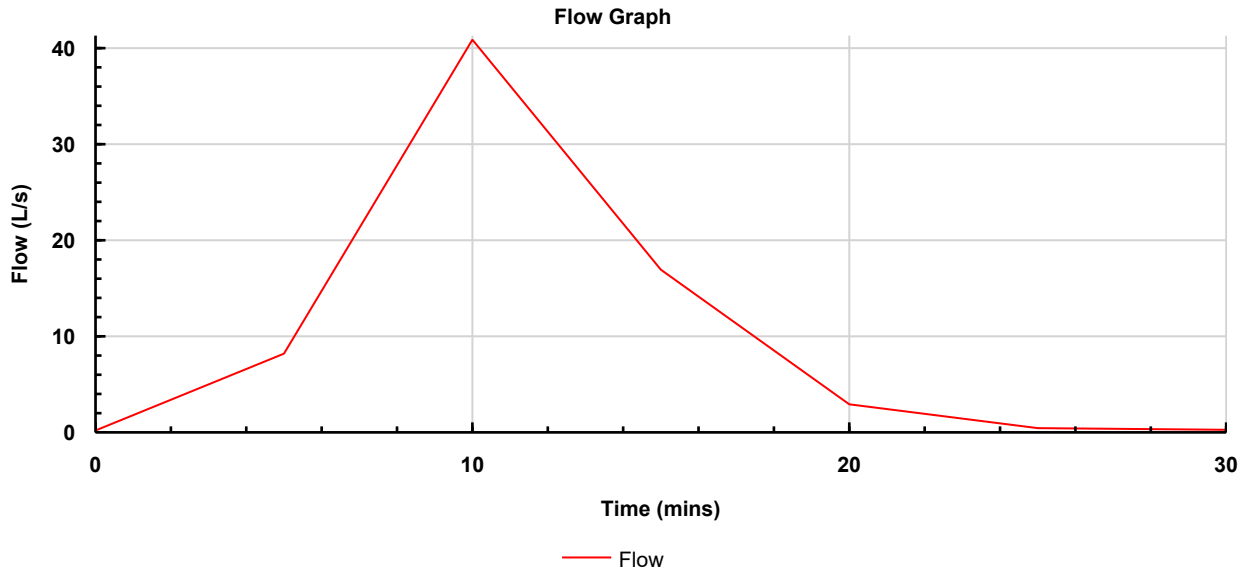
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.034	4.7
10	0.082	22.9
15	0.044	7.9
20	0.016	1.0
25	0.005	0.1
30	0.003	0.0

Pipe (3)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



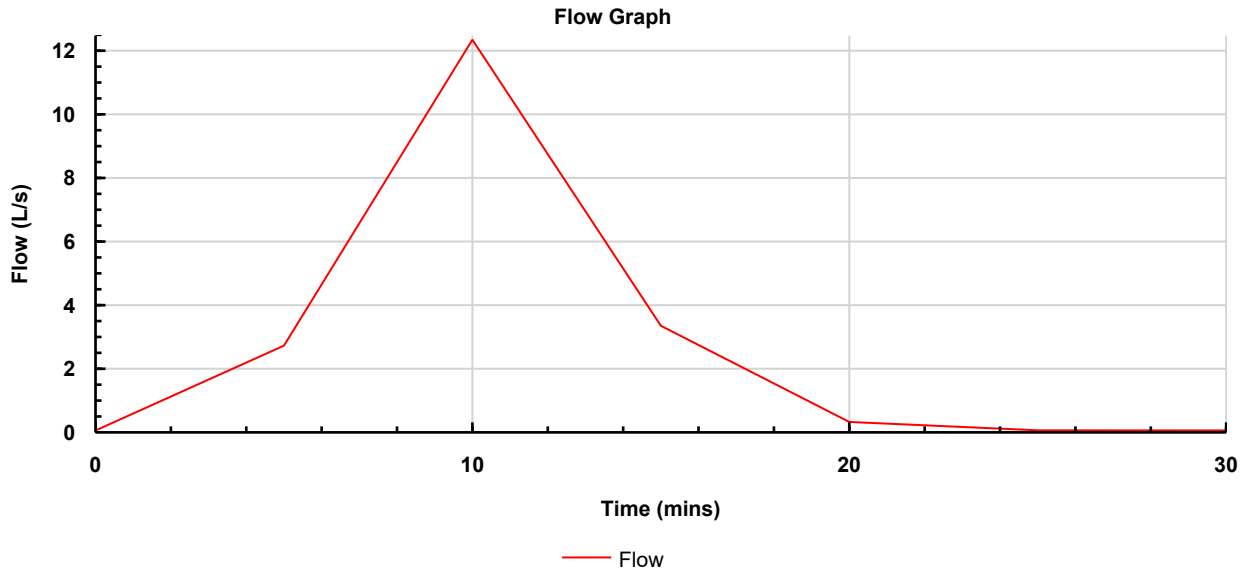
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.030	8.0
10	0.150	40.9
15	0.150	16.8
20	0.150	2.7
25	0.150	0.2
30	0.150	0.1

Pipe (4)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



Tables

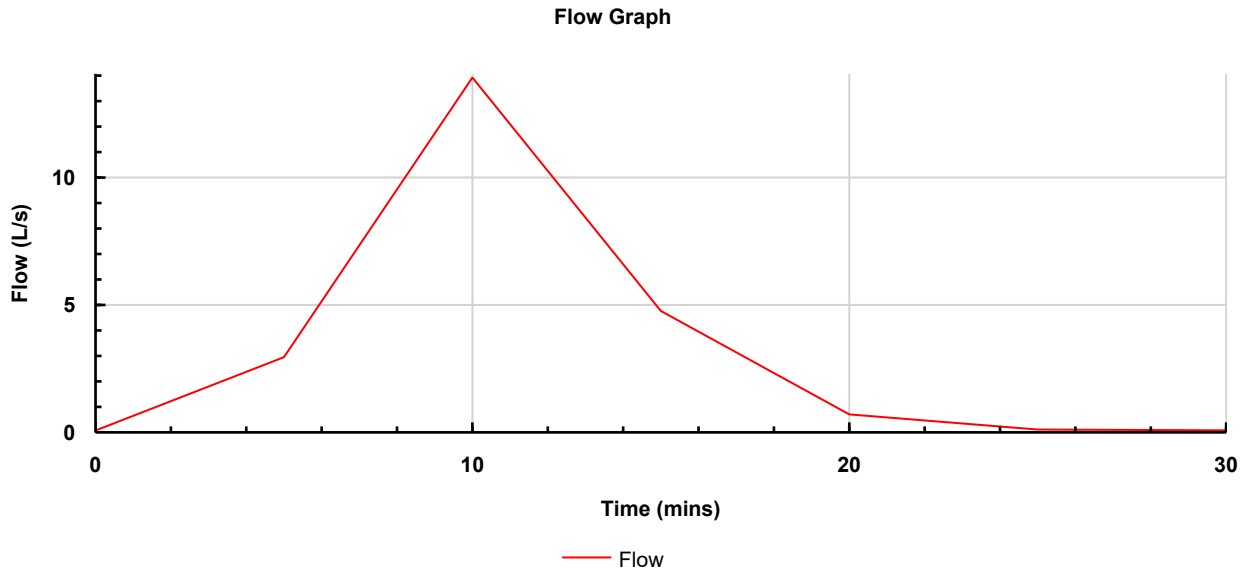
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.040	2.7
10	0.101	12.3
15	0.048	3.3
20	0.016	0.3
25	0.003	0.0
30	0.002	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Connection Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Pipe (5)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



Tables

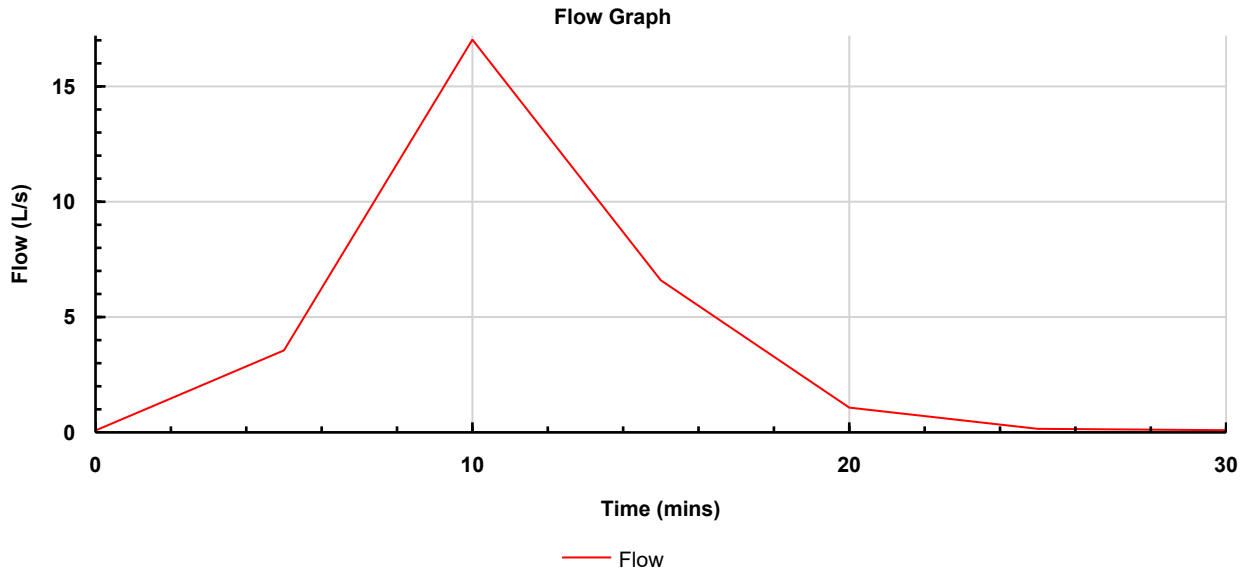
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.043	2.9
10	0.116	13.9
15	0.057	4.7
20	0.021	0.6
25	0.006	0.0
30	0.003	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Connection Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Pipe (6)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



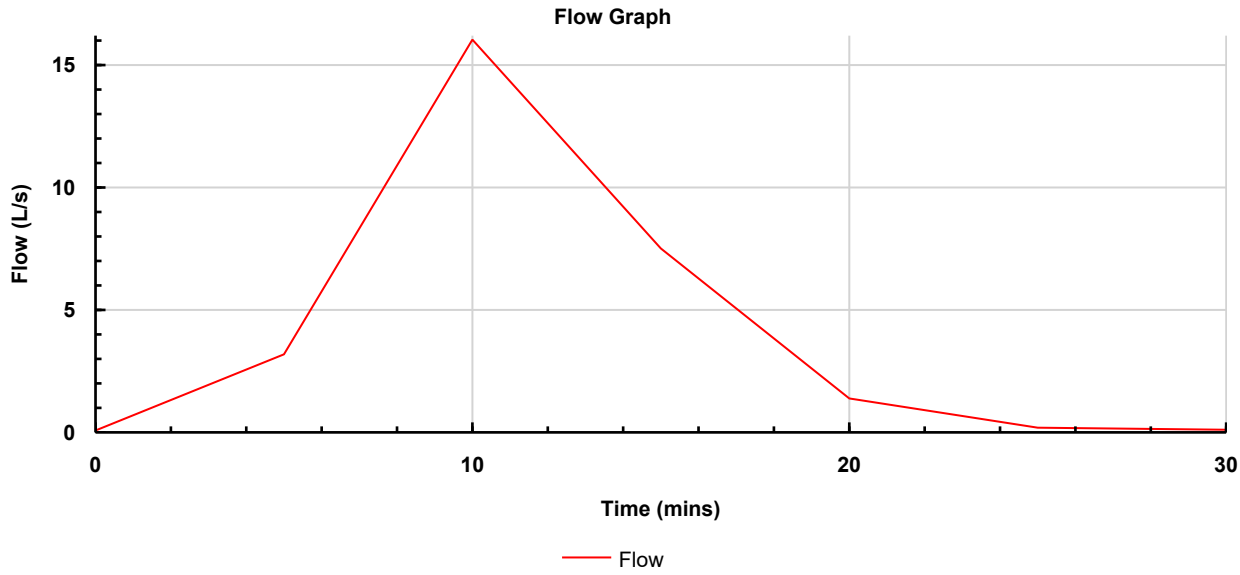
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.045	3.5
10	0.125	17.0
15	0.066	6.5
20	0.026	1.0
25	0.008	0.1
30	0.003	0.0

Pipe (7)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



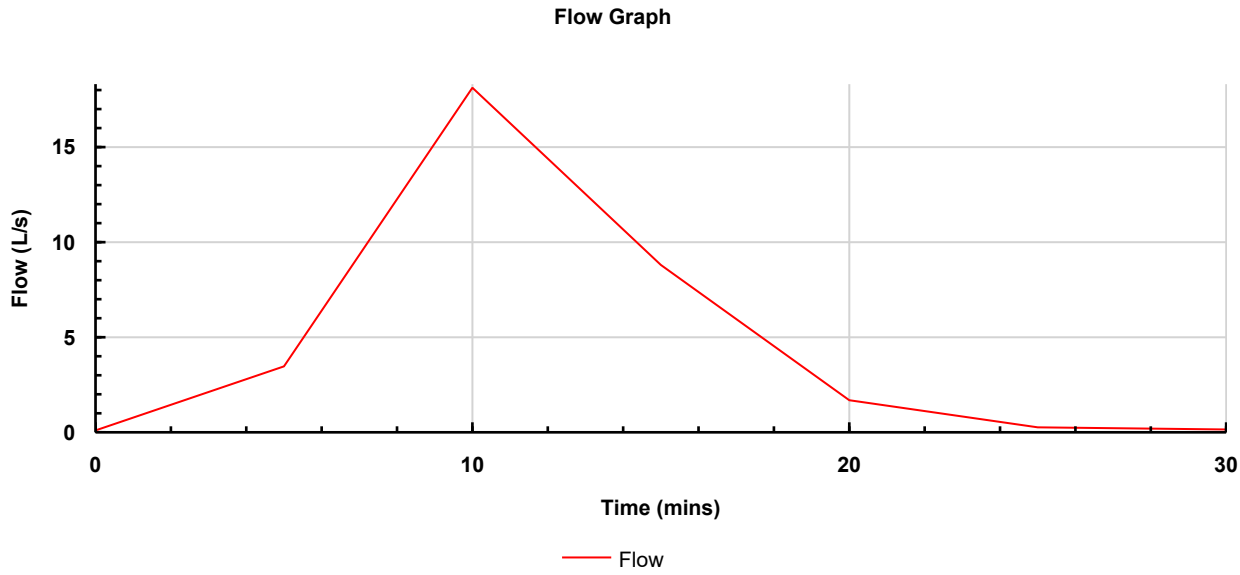
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.046	3.1
10	0.126	16.0
15	0.074	7.5
20	0.030	1.3
25	0.010	0.1
30	0.005	0.0

Pipe (8)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



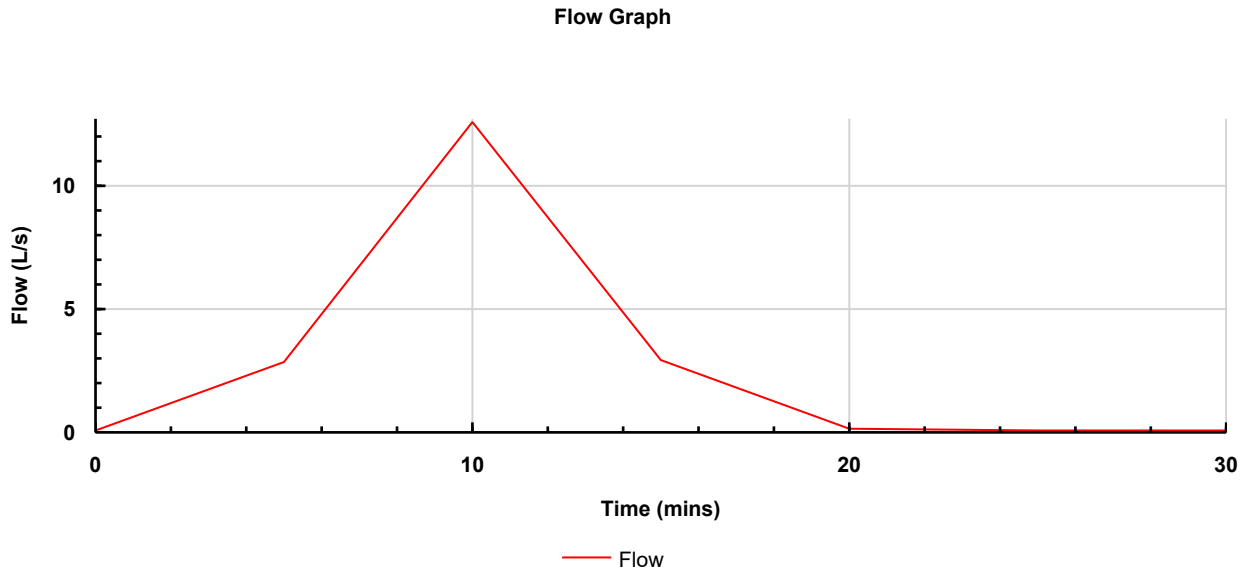
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.034	3.4
10	0.085	18.1
15	0.053	8.8
20	0.022	1.6
25	0.007	0.2
30	0.005	0.0

Pipe (9)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



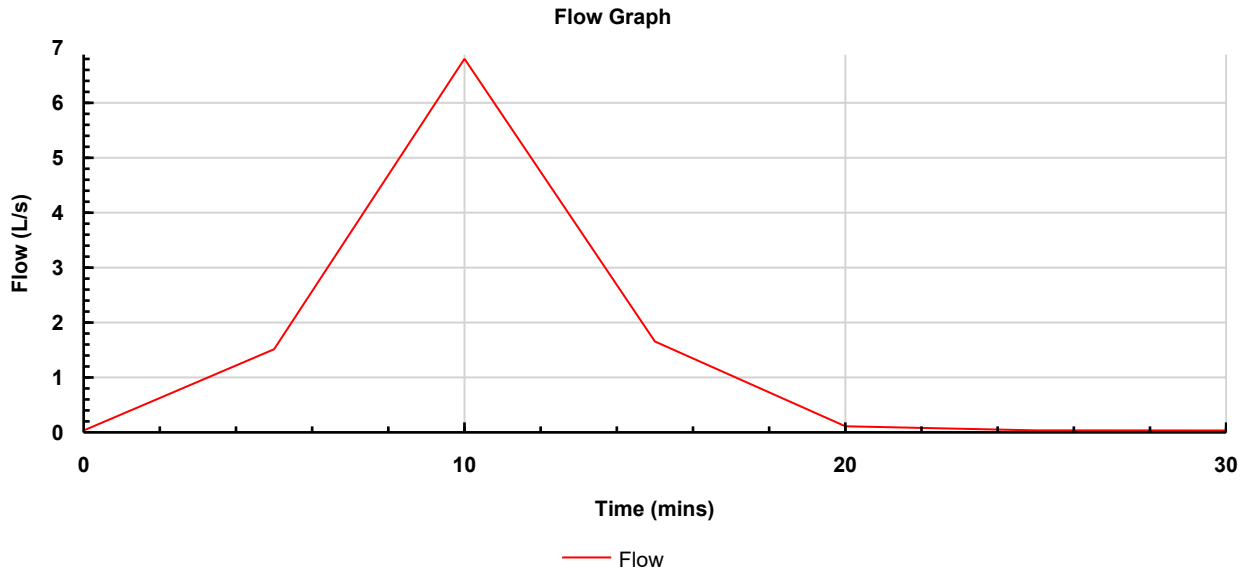
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.025	2.8
10	0.150	12.6
15	0.150	2.9
20	0.150	0.1
25	0.150	0.0
30	0.150	0.0

Pipe (16)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



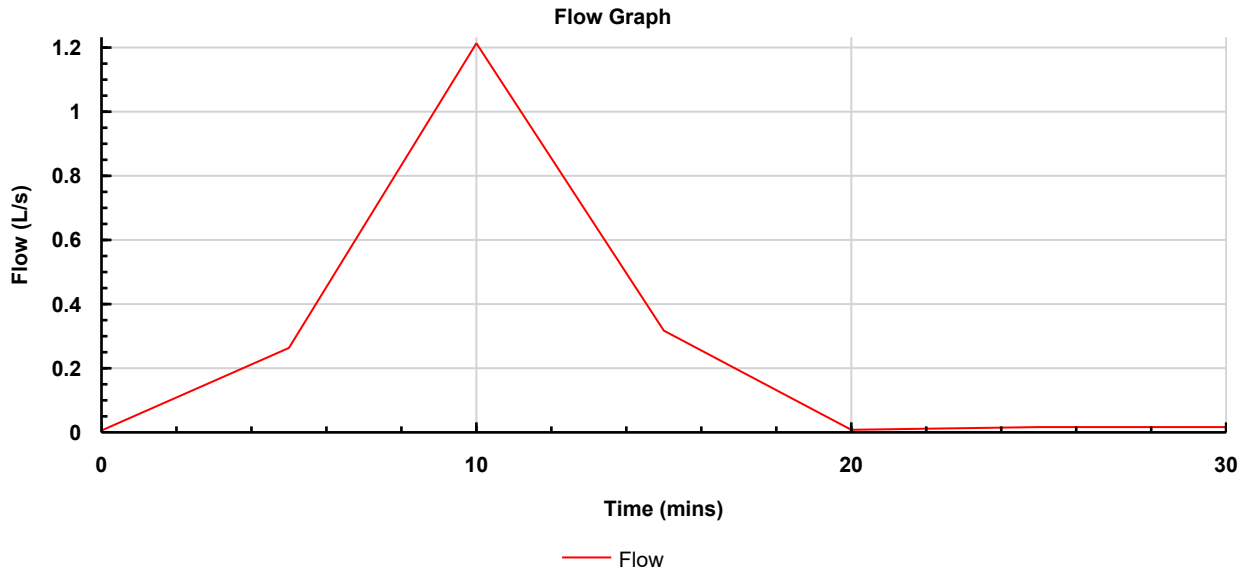
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.021	1.5
10	0.100	6.8
15	0.100	1.6
20	0.100	0.1
25	0.100	0.0
30	0.100	0.0

Pipe (17)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



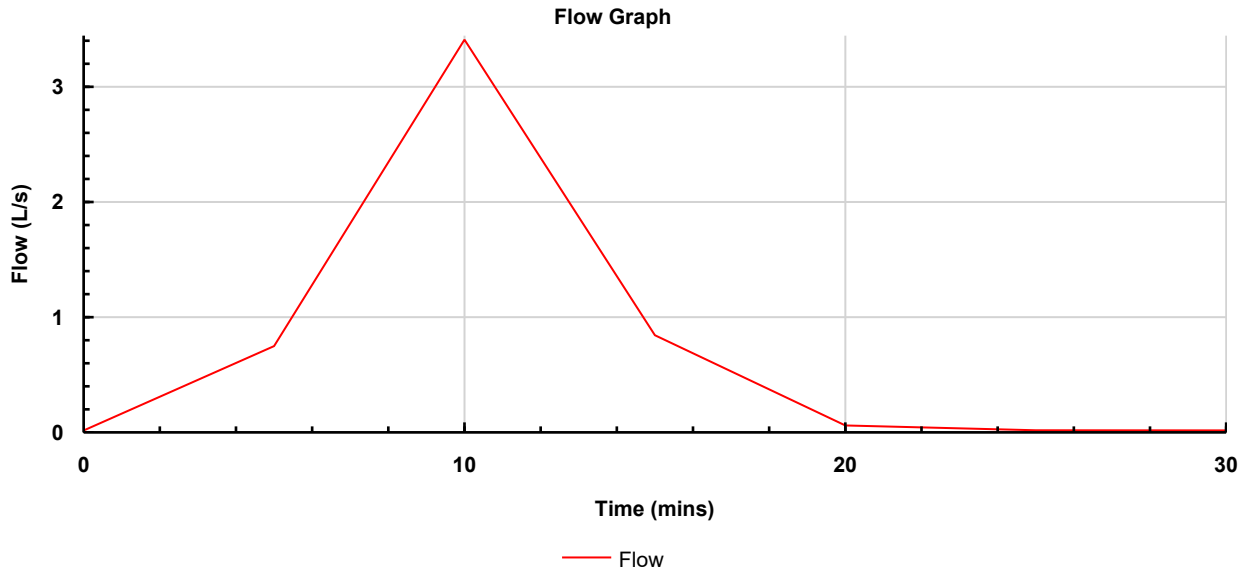
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.016	0.3
10	0.095	1.2
15	0.100	0.3
20	0.100	0.0
25	0.100	0.0
30	0.100	0.0

Pipe (10)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



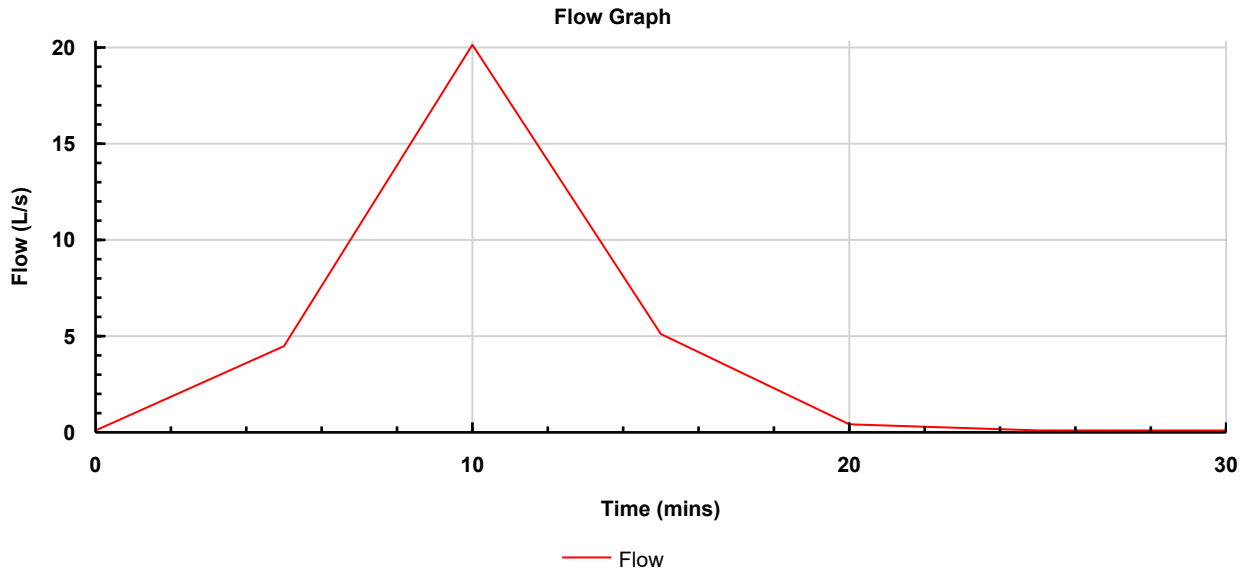
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.025	0.7
10	0.100	3.4
15	0.100	0.8
20	0.100	0.0
25	0.100	0.0
30	0.100	0.0

Pipe (11)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



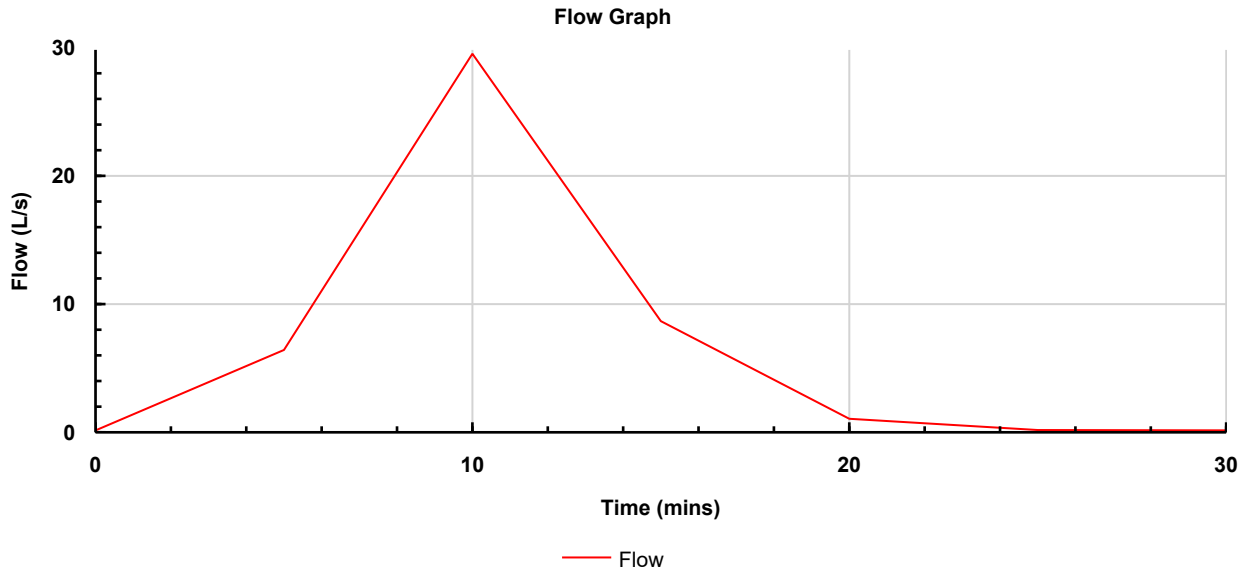
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.036	4.4
10	0.085	20.1
15	0.041	5.0
20	0.013	0.3
25	0.002	0.0
30	0.001	0.0

Pipe (19)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



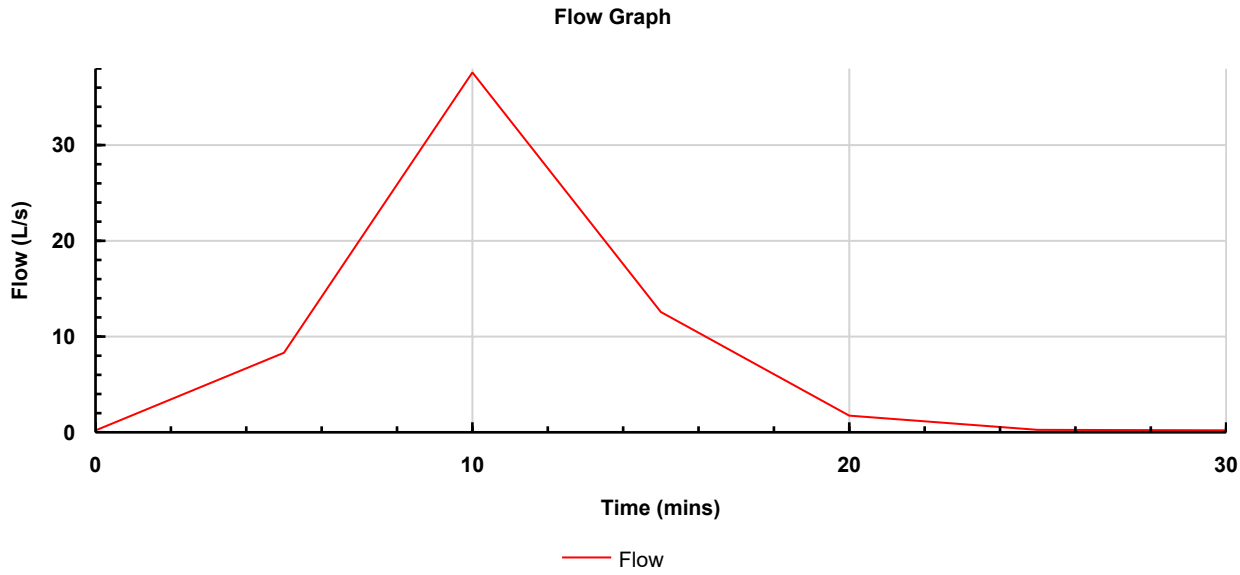
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.046	6.3
10	0.122	29.5
15	0.055	8.6
20	0.019	0.9
25	0.004	0.0
30	0.001	0.0

Pipe (20)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



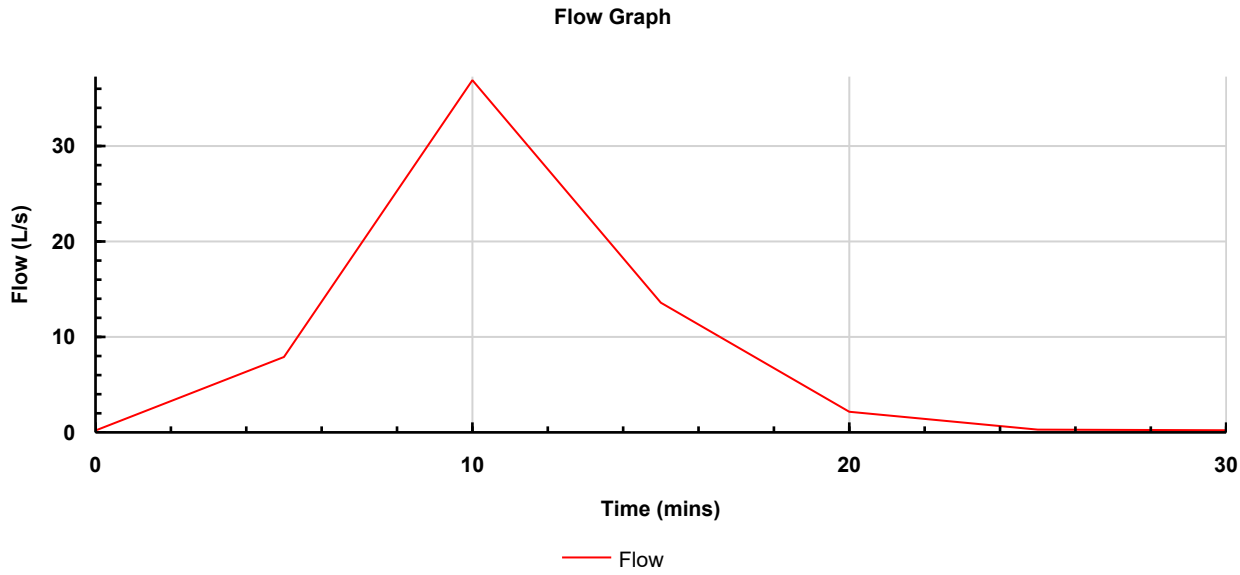
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.046	8.2
10	0.127	37.6
15	0.060	12.4
20	0.022	1.6
25	0.005	0.1
30	0.002	0.0

Pipe (21)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



Tables

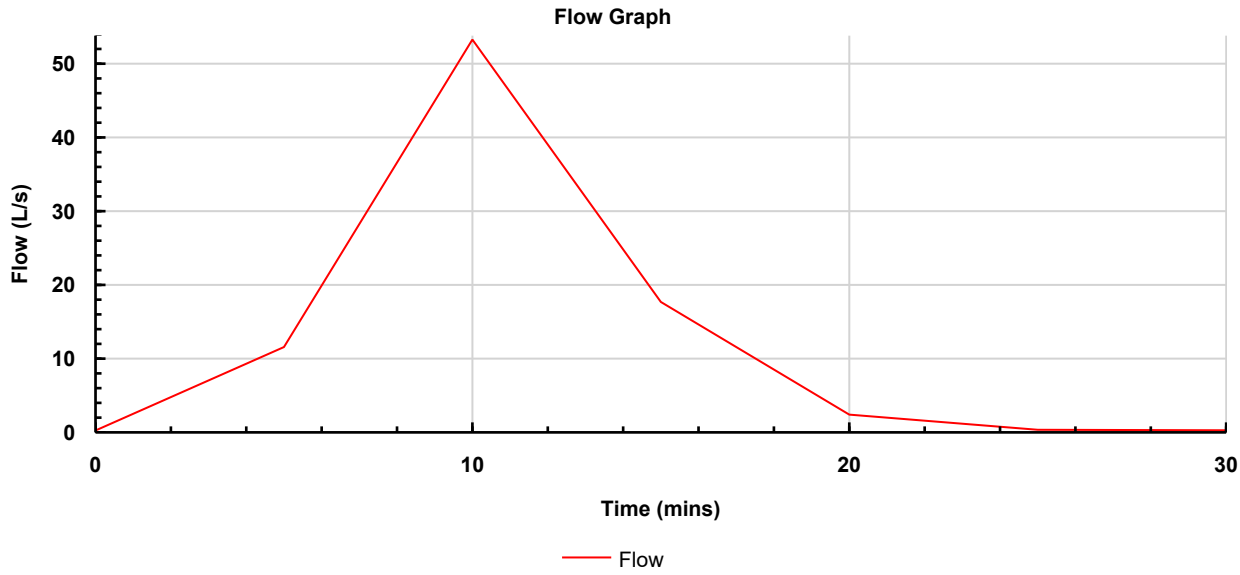
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.039	7.7
10	0.095	36.9
15	0.050	13.5
20	0.018	2.0
25	0.004	0.1
30	0.002	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Connection Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Pipe (22)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



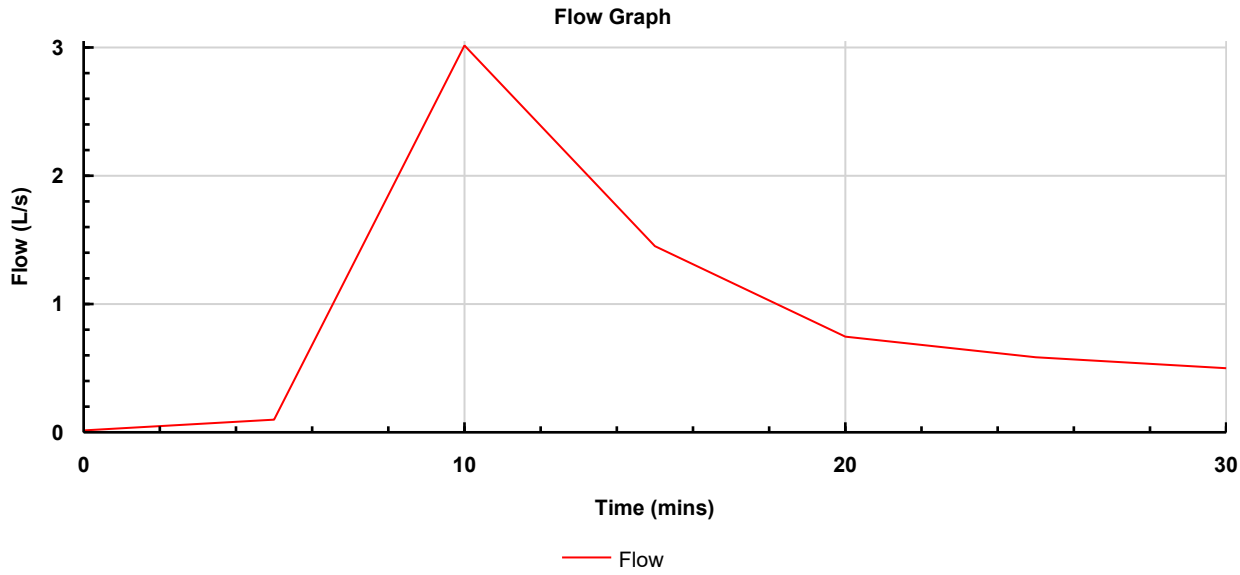
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.037	11.4
10	0.150	53.3
15	0.150	17.5
20	0.150	2.2
25	0.150	0.1
30	0.150	0.0

Pipe (12)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



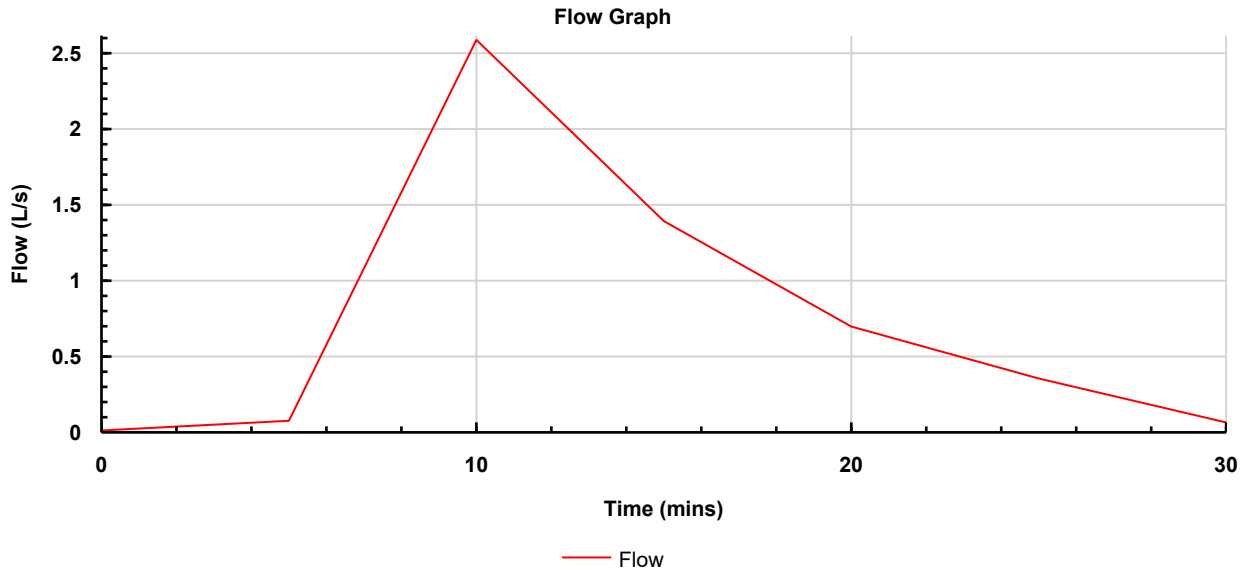
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.002	0.1
10	0.189	3.0
15	0.320	1.4
20	0.368	0.7
25	0.400	0.6
30	0.427	0.5

Pipe (13)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



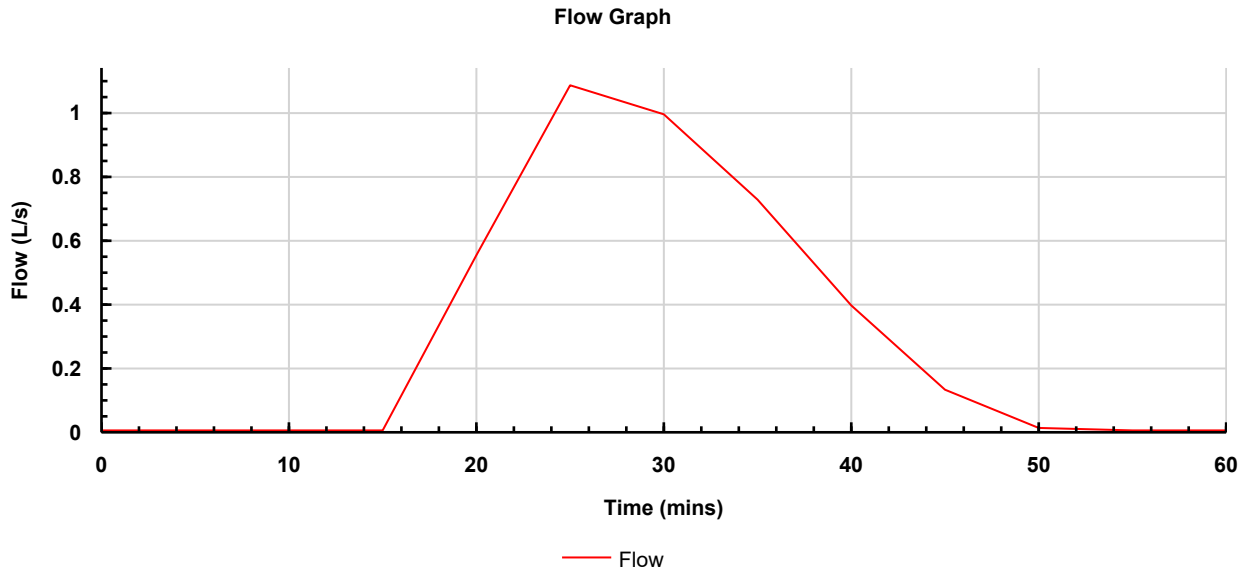
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.001	0.1
10	0.141	2.6
15	0.243	1.4
20	0.225	0.7
25	0.206	0.3
30	0.186	0.1

Pipe (14)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 30 mins: Summer

Type : Pipe

Graphs



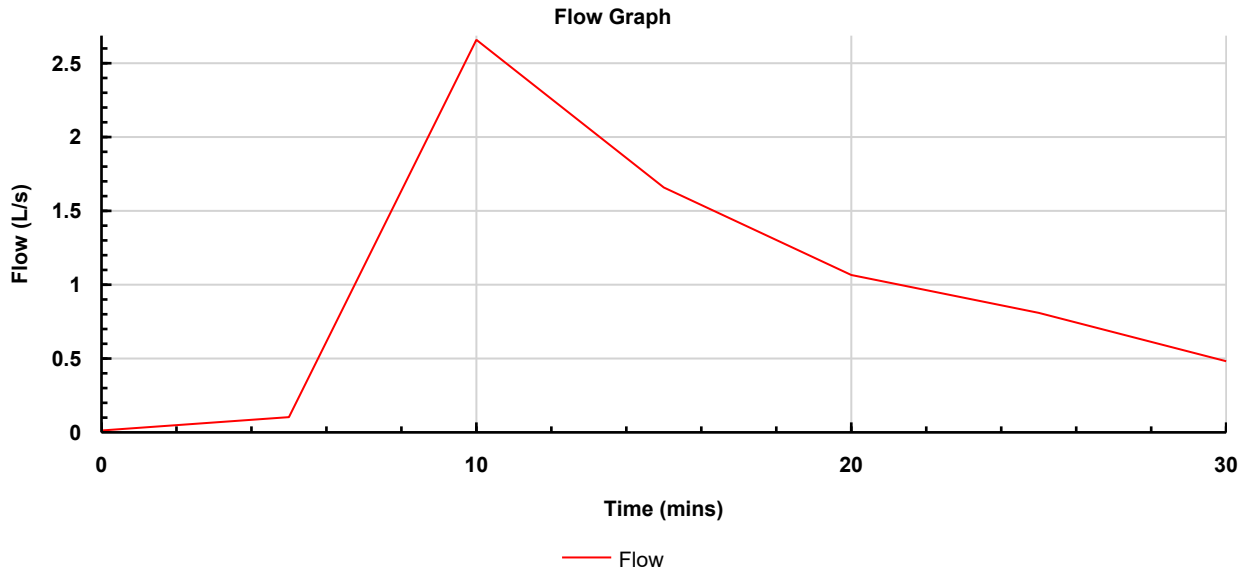
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.000	0.0
10	0.000	0.0
15	0.000	0.0
20	0.043	0.6
25	0.142	1.1
30	0.220	1.0
35	0.287	0.7
40	0.327	0.4
45	0.335	0.1
50	0.327	0.0
55	0.315	0.0
60	0.304	0.0

Pipe (15)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



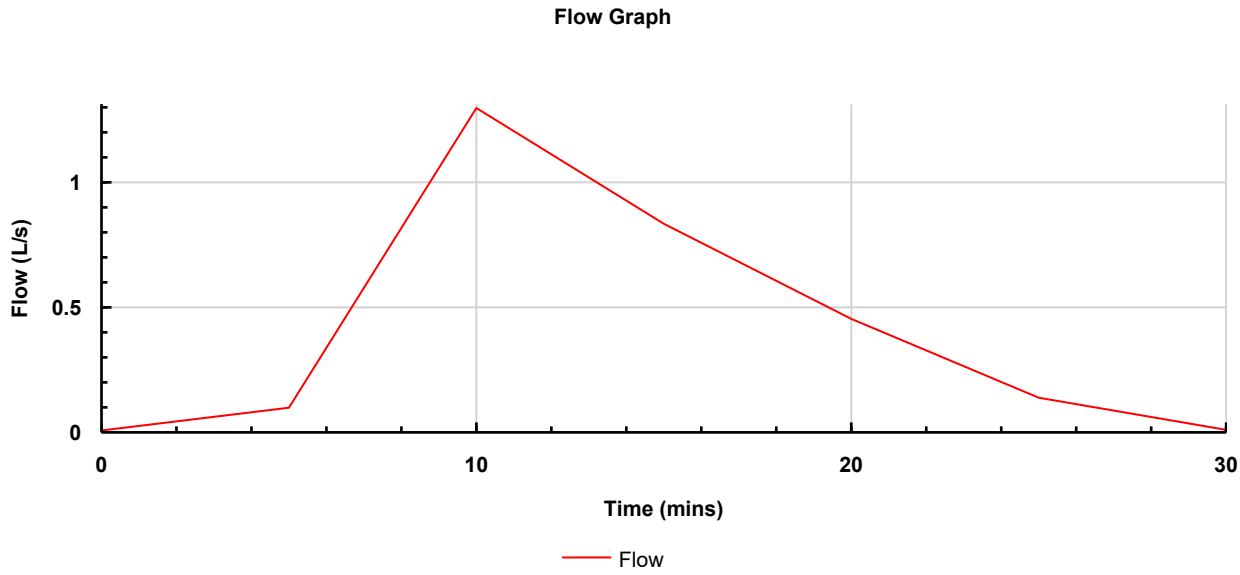
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.002	0.1
10	0.145	2.7
15	0.257	1.7
20	0.257	1.1
25	0.256	0.8
30	0.259	0.5

Pipe (18)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



Tables

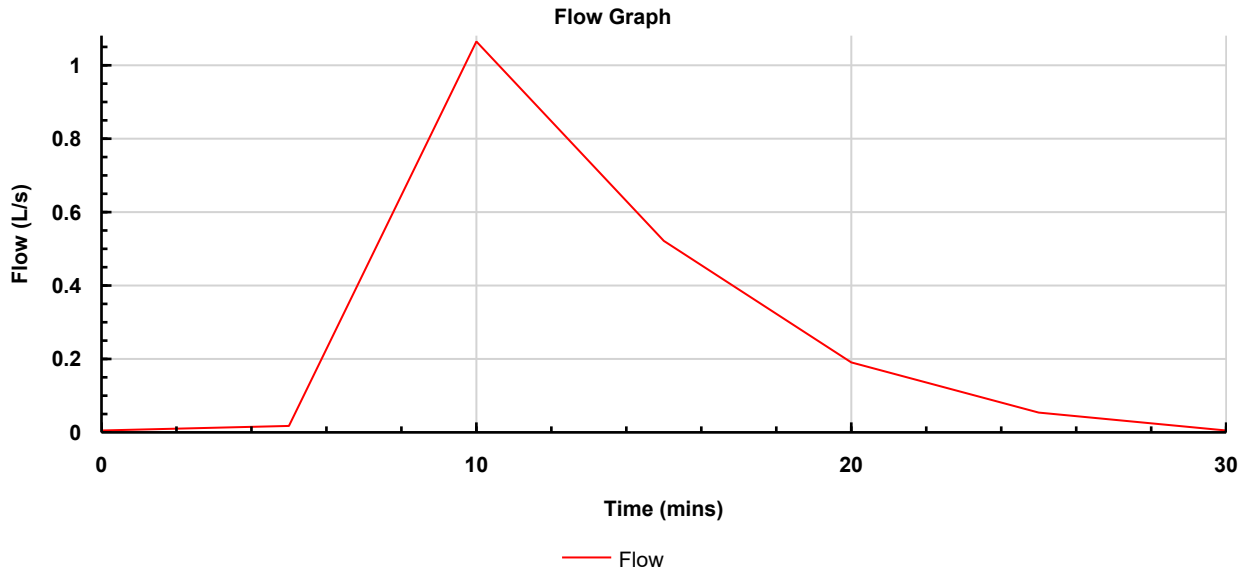
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.003	0.1
10	0.107	1.3
15	0.189	0.8
20	0.229	0.4
25	0.240	0.1
30	0.234	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Connection Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Pipe (23)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



Tables

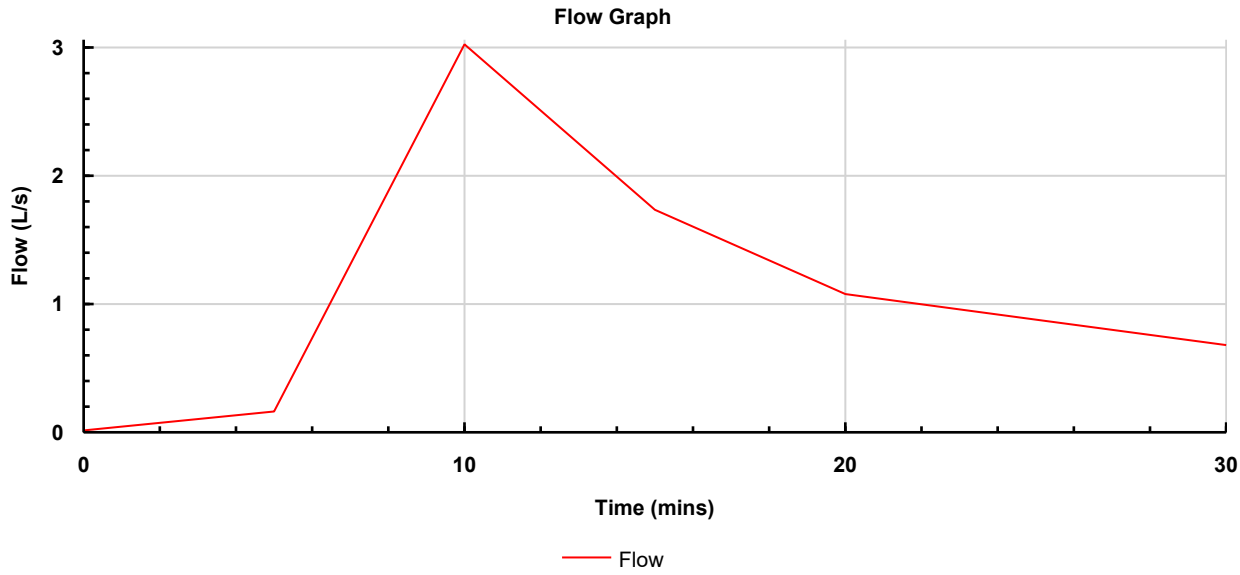
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.000	0.0
10	0.083	1.1
15	0.144	0.5
20	0.152	0.2
25	0.152	0.0
30	0.146	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Connection Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Pipe (24)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.003	0.1
10	0.168	3.0
15	0.278	1.7
20	0.272	1.1
25	0.275	0.9
30	0.287	0.7

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflows Storm Phase: Phase	AFA Consulting Engineers Ltd		

Catchment Area Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

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

Catchment Area (1) Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

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

Catchment Area (2) Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

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

Catchment Area (3) Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

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

Catchment Area (4)

Type : Catchment Area

Area (ha)	0.003

Dynamic Sizing

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

Catchment Area (5)

Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

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

Catchment Area (6)

Type : Catchment Area

Area (ha)	0.012

Dynamic Sizing

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

Catchment Area (7)

Type : Catchment Area

Area (ha)	0.022

Dynamic Sizing

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

Catchment Area (8) Type : Catchment Area

Area (ha)	0.024

Dynamic Sizing

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

Catchment Area (9) Type : Catchment Area

Area (ha)	0.017

Dynamic Sizing

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

Catchment Area (10) Type : Catchment Area

Area (ha)	0.05

Dynamic Sizing

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

Catchment Area (11) Type : Catchment Area

Area (ha)	0.032

Dynamic Sizing

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

Catchment Area (12) Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

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

Catchment Area (13) Type : Catchment Area

Area (ha)	0.033

Dynamic Sizing

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

Catchment Area (14) Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

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

Catchment Area (15) Type : Catchment Area

Area (ha)	0.064

Dynamic Sizing

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

Catchment Area (16)

Type : Catchment Area

Area (ha)	0.078

Dynamic Sizing

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

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
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Report Details:	Company Address:		
Type: Junctions Storm Phase: Phase	AFA Consulting Engineers Ltd		

Name	Junction Type	Easting (m)	Northing (m)	Sealed	Cover Level (m)	Depth (m)	Invert Level (m)	Chamber Shape
SMH201	Manhole	508134.463	165808.750	☐	10.000	1.000	9.000	Circular
SMH202	Manhole	508137.915	165801.189	☐	10.000	1.100	8.900	Circular
SMH203	Manhole	508149.389	165794.087	☐	10.000	1.260	8.740	Circular
SIC202	Manhole	508162.128	165814.407	☐	10.000	1.000	9.000	Circular
SIC302	Manhole	508067.949	165762.372	☐	10.000	1.000	9.000	Circular
SMH304	Manhole	508068.691	165751.281	☐	10.000	1.500	8.500	Circular
SMH305	Manhole	508080.991	165737.561	☐	10.000	1.500	8.500	Circular
SMH306	Manhole	508094.080	165745.283	☐	10.000	1.300	8.700	Circular
SMH307	Manhole	508106.708	165734.116	☐	10.000	1.100	8.900	Circular
SIC303	Manhole	508113.505	165737.882	☑	10.000	1.000	9.000	Circular
SMH308	Manhole	508127.195	165764.056	☐	10.000	1.000	9.000	Circular
SMH309	Manhole	508139.723	165756.399	☐	10.000	1.200	8.800	Circular
SMH310	Manhole	508153.672	165776.493	☐	10.000	1.450	8.550	Circular
SMH301	Manhole	508139.087	165787.841	☐	10.000	1.750	8.250	Circular
SIC304	Manhole	508137.471	165775.396	☐	10.000	1.000	9.000	Circular
SIC301	Manhole	508085.165	165774.061	☐	10.000	1.000	9.000	Circular
SMH303	Manhole	508106.134	165788.069	☐	10.000	1.300	8.700	Circular
SMH302	Manhole	508119.054	165796.642	☐	10.000	1.500	8.500	Circular

Name	Diameter (m)	Lock
SMH201	1.000	None
SMH202	1.000	None
SMH203	1.000	None
SIC202	1.000	None
SIC302	1.000	None
SMH304	1.000	None
SMH305	1.000	None
SMH306	1.000	None
SMH307	1.000	None
SIC303	1.000	None
SMH308	1.000	None
SMH309	1.000	None
SMH310	1.000	None
SMH301	1.000	None
SIC304	1.000	None
SIC301	1.000	None
SMH303	1.000	None
SMH302	1.000	None

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junctions Storm Phase: Phase	AFA Consulting Engineers Ltd		

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
SMH201	Inlet	Catchment Area	(None)	No Restriction
SMH202	Inlet	Catchment Area (1)	(None)	No Restriction
	Inlet (1)	Pipe	(None)	No Restriction
SMH203	Inlet	Catchment Area (2)	(None)	No Restriction
	Inlet (1)	Pipe (1) Pipe (2)	(None)	No Restriction
SIC202	Inlet	Catchment Area (3)	(None)	No Restriction
SIC302	Inlet	Catchment Area (4)	(None)	No Restriction
SMH304	Inlet	Catchment Area (5)	(None)	No Restriction
	Inlet (1)	Pipe (4)	(None)	No Restriction
SMH305	Inlet	Pipe (8)	(None)	No Restriction
SMH306	Inlet	Catchment Area (6)	(None)	No Restriction
	Inlet (1)	Pipe (7)	(None)	No Restriction
SMH307	Inlet	Catchment Area (14) Pipe (6)	(None)	No Restriction
SIC303	Inlet	Catchment Area (13)	(None)	No Restriction
SMH308	Inlet	Catchment Area (10)	(None)	No Restriction
SMH309	Inlet	Catchment Area (12)	(None)	No Restriction
	Inlet (1)	Pipe (17)	(None)	No Restriction
SMH310	Inlet	Pipe (14) Pipe (16)	(None)	No Restriction
SMH301	Inlet	Pipe (12)	(None)	No Restriction
SIC304	Inlet	Catchment Area (11)	(None)	No Restriction
SIC301	Inlet	Catchment Area (8)	(None)	No Restriction
	Inlet (1)	Catchment Area (7)	(None)	No Restriction
SMH303	Inlet	Catchment Area (9) Pipe (10)	(None)	No Restriction
SMH302	Inlet	Pipe (11)	(None)	No Restriction

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
SMH201	Outlet	Pipe	Free Discharge
SMH202	Outlet	Pipe (1)	Free Discharge
SMH203	Outlet	Pipe (3)	Free Discharge
SIC202	Outlet	Pipe (2)	Free Discharge
SIC302	Outlet	Pipe (4)	Free Discharge
SMH304	Outlet	Pipe (5)	Free Discharge
SMH305	Outlet	Pipe (9)	Free Discharge
SMH306	Outlet	Pipe (8)	Free Discharge
SMH307	Outlet	Pipe (7)	Free Discharge
SIC303	Outlet	Pipe (6)	Free Discharge
SMH308	Outlet	Pipe (17)	Free Discharge
SMH309	Outlet	Pipe (14)	Free Discharge
SMH310	Outlet	Pipe (15)	Free Discharge
SMH301	Outlet	Pipe (13)	Free Discharge
SIC304	Outlet	Pipe (16)	Free Discharge
SIC301	Outlet	Pipe (10)	Free Discharge
SMH303	Outlet	Pipe (11)	Free Discharge
SMH302	Outlet	Pipe (12)	Free Discharge

Soakaway Type : Soakaway

Dimensions

Exceedance Level (m)	10.000
Depth (m)	2.600
Base Level (m)	7.400
Freeboard (mm)	1000
Soakaway Shape	Rectangular
Diameter / Width (m)	2.000
Length (m)	6.000
Porosity (%)	95
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Side Infiltration Rate (m/hr)	0.053
Safety Factor	1.5
Total Volume (m³)	18.240

Inlets

Inlet

Incoming Item(s)	Pipe (3)
Bypass Destination	(None)
Capacity Type	No Restriction

Soakaway (1) Type : Soakaway

Dimensions

Exceedance Level (m)	10.000
Depth (m)	2.600
Base Level (m)	7.400
Freeboard (mm)	1000
Soakaway Shape	Rectangular
Diameter / Width (m)	2.000
Length (m)	18.000
Porosity (%)	95
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Side Infiltration Rate (m/hr)	0.053
Safety Factor	1.5
Total Volume (m³)	54.720

Inlets

Inlet

Incoming Item(s)	Pipe (5)
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Incoming Item(s)	Pipe (9)
Bypass Destination	(None)
Capacity Type	No Restriction

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Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Controls Storm Phase: Phase	AFA Consulting Engineers Ltd		

Soakaway (2)

Type : Soakaway

Dimensions

Exceedance Level (m)	10.000
Depth (m)	3.000
Base Level (m)	7.000
Freeboard (mm)	1000
Soakaway Shape	Rectangular
Diameter / Width (m)	2.000
Length (m)	26.000
Porosity (%)	95
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Side Infiltration Rate (m/hr)	0.053
Safety Factor	1.5
Total Volume (m³)	98.800

Inlets

Inlet

Incoming Item(s)	Pipe (13)
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (2)

Incoming Item(s)	Pipe (15)
Bypass Destination	(None)
Capacity Type	No Restriction

Porous Paving

Type : Porous Paving

Dimensions

Exceedance Level (m)	10.000
Depth (m)	9.500
Base Level (m)	0.500
Paving Layer Depth (mm)	300
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	97.256
Long. Slope (1:X)	100.00
Width (m)	6.347
Total Volume (m³)	1703.714

Inlets

Inlet

Inlet Type	Lateral Inflow
Incoming Item(s)	Catchment Area (15)
Bypass Destination	(None)
Capacity Type	No Restriction

Advanced

Base Infiltration Rate (m/hr)	0.053
Safety Factor	2.0
Conductivity (m/hr)	1000.0

Porous Paving (1)

Type : Porous Paving

Dimensions

Exceedance Level (m)	10.000
Depth (m)	9.500
Base Level (m)	0.500
Paving Layer Depth (mm)	300
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	48.513
Long. Slope (1:X)	100.00
Width (m)	12.897
Total Volume (m³)	1726.910

Inlets

Inlet (1)

Inlet Type	Lateral Inflow
Incoming Item(s)	Catchment Area (16)
Bypass Destination	(None)
Capacity Type	No Restriction

Advanced

Base Infiltration Rate (m/hr)	0.053
Safety Factor	2.0
Conductivity (m/hr)	1000.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Connections Storm Phase: Phase	AFA Consulting Engineers Ltd		

Name	Length (m)	Connection Type	Slope (1:X)	Manning's n	Colebrook-White Roughness (mm)	Diameter / Base Width (mm)	Upstream Cover Level (m)	Upstream Invert Level (m)
Pipe	8.312	Pipe	83.124		0.6	150	10.000	9.000
Pipe (1)	13.494	Pipe	84.337		0.6	150	10.000	8.900
Pipe (2)	23.983	Pipe	92.240		0.6	150	10.000	9.000
Pipe (3)	1.863	Pipe	1.390		0.6	150	10.000	8.740
Pipe (4)	11.115	Pipe	22.231		0.6	150	10.000	9.000
Pipe (6)	7.770	Pipe	77.702		0.6	150	10.000	9.000
Pipe (7)	16.858	Pipe	84.288		0.6	150	10.000	8.900
Pipe (8)	15.197	Pipe	75.985		0.6	150	10.000	8.700
Pipe (10)	25.217	Pipe	84.058		0.6	150	10.000	9.000
Pipe (11)	15.505	Pipe	77.526		0.6	150	10.000	8.700
Pipe (12)	21.881	Pipe	87.524		0.6	150	10.000	8.500
Pipe (13)	3.214	Pipe	2.571		0.6	150	10.000	8.250
Pipe (14)	24.461	Pipe	97.843		0.6	150	10.000	8.800
Pipe (16)	16.238	Pipe	36.085		0.6	150	10.000	9.000
Pipe (17)	14.683	Pipe	73.413		0.6	150	10.000	9.000
Pipe (15)	2.652	Pipe	1.711		0.6	150	10.000	8.550
Pipe (5)	9.386	Pipe	8.533		0.6	150	10.000	8.500
Pipe (9)	9.041	Pipe	8.219		0.6	150	10.000	8.500

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Part Family	Lock	Culvert Type	Culvert Entrance
Pipe	10.000	8.900		None	(None)	(None)
Pipe (1)	10.000	8.740		None	(None)	(None)
Pipe (2)	10.000	8.740		None	(None)	(None)
Pipe (3)	10.000	7.400		None	(None)	(None)
Pipe (4)	10.000	8.500		None	(None)	(None)
Pipe (6)	10.000	8.900		None	(None)	(None)
Pipe (7)	10.000	8.700		None	(None)	(None)
Pipe (8)	10.000	8.500		None	(None)	(None)
Pipe (10)	10.000	8.700		None	(None)	(None)
Pipe (11)	10.000	8.500		None	(None)	(None)
Pipe (12)	10.000	8.250		None	(None)	(None)
Pipe (13)	10.000	7.000		None	(None)	(None)
Pipe (14)	10.000	8.550		None	(None)	(None)
Pipe (16)	10.000	8.550		None	(None)	(None)
Pipe (17)	10.000	8.800		None	(None)	(None)
Pipe (15)	10.000	7.000		None	(None)	(None)
Pipe (5)	10.000	7.400		None	(None)	(None)
Pipe (9)	10.000	7.400		None	(None)	(None)

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Manhole Schedule Storm Phase: Phase	AFA Consulting Engineers Ltd		

Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SMH201	10.000 9.000	Diameter / Length: 1.000					Manhole
E:508134.463 N:165808.750	1.000						
			{a} Pipe	Pipe	9.000	Diam/Width:150	Not Applicable
SMH202	10.000 8.900	Diameter / Length: 1.000	{1} Pipe	Pipe	8.900	Diam/Width:150	Manhole
E:508137.915 N:165801.189	1.100						
			{a} Pipe (1)	Pipe	8.900	Diam/Width:150	Not Applicable
SMH203	10.000 8.740	Diameter / Length: 1.000	{1} Pipe (1)	Pipe	8.740	Diam/Width:150	Manhole
E:508149.389 N:165794.087	1.260		{2} Pipe (2)	Pipe	8.740	Diam/Width:150	
			{a} Pipe (3)	Pipe	8.740	Diam/Width:150	Not Applicable
SIC202	10.000 9.000	Diameter / Length: 1.000					Manhole
E:508162.128 N:165814.407	1.000						
			{a} Pipe (2)	Pipe	9.000	Diam/Width:150	Not Applicable
SIC302	10.000 9.000	Diameter / Length: 1.000					Manhole
E:508067.949 N:165762.372	1.000						
			{a} Pipe (4)	Pipe	9.000	Diam/Width:150	Not Applicable

Project - 2080:	Date:		
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	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Manhole Schedule Storm Phase: Phase	AFA Consulting Engineers Ltd		

Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SMH304	10.000 8.500	Diameter / Length: 1.000	{1} Pipe (4)	Pipe	8.500	Diam/Width:150	Manhole
E:508068.691 N:165751.281	1.500		{a} Pipe (5)	Pipe	8.500	Diam/Width:150	Not Applicable
SMH305	10.000 8.500	Diameter / Length: 1.000	{1} Pipe (8)	Pipe	8.500	Diam/Width:150	Manhole
E:508080.991 N:165737.561	1.500		{a} Pipe (9)	Pipe	8.500	Diam/Width:150	Not Applicable
SMH306	10.000 8.700	Diameter / Length: 1.000	{1} Pipe (7)	Pipe	8.700	Diam/Width:150	Manhole
E:508094.080 N:165745.283	1.300		{a} Pipe (8)	Pipe	8.700	Diam/Width:150	Not Applicable
SMH307	10.000 8.900	Diameter / Length: 1.000	{1} Pipe (6)	Pipe	8.900	Diam/Width:150	Manhole
E:508106.708 N:165734.116	1.100		{a} Pipe (7)	Pipe	8.900	Diam/Width:150	Not Applicable
SIC303	10.000 9.000	Diameter / Length: 1.000					Manhole - Sealed
E:508113.505 N:165737.882	1.000		{a} Pipe (6)	Pipe	9.000	Diam/Width:150	Not Applicable

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Manhole Schedule Storm Phase: Phase	AFA Consulting Engineers Ltd		

Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SMH308	10.000 9.000	Diameter / Length: 1.000					Manhole
E:508127.195 N:165764.056	1.000		{a} Pipe (17)	Pipe	9.000	Diam/Width:150	Not Applicable
SMH309	10.000 8.800	Diameter / Length: 1.000	{1} Pipe (17)	Pipe	8.800	Diam/Width:150	Manhole
E:508139.723 N:165756.399	1.200		{a} Pipe (14)	Pipe	8.800	Diam/Width:150	Not Applicable
SMH310	10.000 8.550	Diameter / Length: 1.000	{1} Pipe (14) {2} Pipe (16)	Pipe Pipe	8.550 8.550	Diam/Width:150 Diam/Width:150	Manhole
E:508153.672 N:165776.493	1.450		{a} Pipe (15)	Pipe	8.550	Diam/Width:150	Not Applicable
SMH301	10.000 8.250	Diameter / Length: 1.000	{1} Pipe (12)	Pipe	8.250	Diam/Width:150	Manhole
E:508139.087 N:165787.841	1.750		{a} Pipe (13)	Pipe	8.250	Diam/Width:150	Not Applicable
SIC304	10.000 9.000	Diameter / Length: 1.000					Manhole
E:508137.471 N:165775.396	1.000		{a} Pipe (16)	Pipe	9.000	Diam/Width:150	Not Applicable

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Manhole Schedule Storm Phase: Phase	AFA Consulting Engineers Ltd		

Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SIC301	10.000 9.000	Diameter / Length: 1.000					Manhole
E:508085.165 N:165774.061	1.000		{a} Pipe (10)	Pipe	9.000	Diam/Width:150	Not Applicable
SMH303	10.000 8.700	Diameter / Length: 1.000	{1} Pipe (10)	Pipe	8.700	Diam/Width:150	Manhole
E:508106.134 N:165788.069	1.300		{a} Pipe (11)	Pipe	8.700	Diam/Width:150	Not Applicable
SMH302	10.000 8.500	Diameter / Length: 1.000	{1} Pipe (11)	Pipe	8.500	Diam/Width:150	Manhole
E:508119.054 N:165796.642	1.500		{a} Pipe (12)	Pipe	8.500	Diam/Width:150	Not Applicable

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Summary Storm Phase: Phase	AFA Consulting Engineers Ltd		

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	SMH201		Time of Concentration	0.013	100	0	100	0.013
Catchment Area (1)	SMH202		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (2)	SMH203		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (3)	SIC202		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (4)	SIC302		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (5)	SMH304		Time of Concentration	0.014	100	0	100	0.014
Catchment Area (6)	SMH306		Time of Concentration	0.012	100	0	100	0.012
Catchment Area (7)	SIC301		Time of Concentration	0.022	100	0	100	0.022
Catchment Area (8)	SIC301		Time of Concentration	0.024	100	0	100	0.024
Catchment Area (9)	SMH303		Time of Concentration	0.017	100	0	100	0.017
Catchment Area (10)	SMH308		Time of Concentration	0.050	100	0	100	0.050
Catchment Area (11)	SIC304		Time of Concentration	0.032	100	0	100	0.032
Catchment Area (12)	SMH309		Time of Concentration	0.008	100	0	100	0.008
Catchment Area (13)	SIC303		Time of Concentration	0.033	100	0	100	0.033
Catchment Area (14)	SMH307		Time of Concentration	0.011	100	0	100	0.011
Catchment Area (15)	Porous Paving		Time of Concentration	0.064	100	0	100	0.064
Catchment Area (16)	Porous Paving (1)		Time of Concentration	0.078	100	0	100	0.078
TOTAL		**0.0**		**0.395**				**0.395**

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Network Design Criteria Storm Phase: Phase	AFA Consulting Engineers 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	☐

Pipe Size Library

Default

Add. Increment (mm)	75
Max. Diameter (mm)	0

Diameter (mm)	Min. Slope (1:X)	Max. Slope (1:X)
100	0.00	0.00
150	0.00	0.00

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Network Design Criteria Storm Phase: Phase	AFA Consulting Engineers Ltd		

Manhole Options

Apply Offset	☐

Manhole Size Library

Default

Diameter / Width

Connection (mm)	Diameter / Length (m)	Width (m)
0	1.200	0.000
375	1.350	0.000
500	1.500	0.000
750	1.800	0.000

Additional Sizing

Connection (mm)	900
Diameter / Length (m)	0.900
Width (m)	0.000

Depth

Depth (m)	Diameter / Length (m)	Width (m)
0.000	1.050	0.000
1.500	1.200	0.000

Access

Depth (m)	Ladder Protrusion (mm)
0.000	130
3.000	230

Benching Requirements

Landing Width (mm)	500
Benching Width (mm)	225

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Title:	Company Address:		
Rainfall Analysis Criteria	AFA Consulting Engineers 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)	0
Perform No Discharge Analysis	☐

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflows Summary Storm Phase: Phase	AFA Consulting Engineers Ltd		

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	0.01	7.4	3.216
Catchment Area (1)	FSR: 100 years: +40 %: 15 mins: Summer	0.00	2.8	1.207
Catchment Area (2)	FSR: 100 years: +40 %: 15 mins: Summer	0.01	3.5	1.542
Catchment Area (3)	FSR: 100 years: +40 %: 15 mins: Summer	0.00	1.6	0.711
Catchment Area (4)	FSR: 100 years: +40 %: 15 mins: Summer	0.00	2.0	0.849
Catchment Area (5)	FSR: 100 years: +40 %: 15 mins: Summer	0.01	8.2	3.553
Catchment Area (6)	FSR: 100 years: +40 %: 15 mins: Summer	0.01	6.7	2.918
Catchment Area (7)	FSR: 100 years: +40 %: 15 mins: Summer	0.02	12.7	5.529
Catchment Area (8)	FSR: 100 years: +40 %: 15 mins: Summer	0.02	13.6	5.899
Catchment Area (9)	FSR: 100 years: +40 %: 15 mins: Summer	0.02	9.4	4.098
Catchment Area (10)	FSR: 100 years: +40 %: 15 mins: Summer	0.05	28.8	12.515
Catchment Area (11)	FSR: 100 years: +40 %: 15 mins: Summer	0.03	18.0	7.835
Catchment Area (12)	FSR: 100 years: +40 %: 15 mins: Summer	0.01	4.4	1.936
Catchment Area (13)	FSR: 100 years: +40 %: 15 mins: Summer	0.03	18.7	8.148
Catchment Area (14)	FSR: 100 years: +40 %: 15 mins: Summer	0.01	6.2	2.701

Catchment Area (15)	FSR: 100 years: +40 %: 15 mins: Summer	0.06	36.7	15.972
Catchment Area (16)	FSR: 100 years: +40 %: 15 mins: Summer	0.08	44.6	19.395

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junctions Summary Storm Phase: Phase	AFA Consulting Engineers Ltd		

Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
SMH201	FSR: 100 years: +40 %: 15 mins: Summer	10.000	9.000	9.070	0.070	7.4	0.055	0.000	7.2	3.211	OK
SMH202	FSR: 100 years: +40 %: 15 mins: Summer	10.000	8.900	8.984	0.084	10.0	0.066	0.000	9.7	4.413	OK
SMH203	FSR: 100 years: +40 %: 960 mins: Summer	10.000	8.740	8.849	0.109	1.6	0.085	0.000	1.6	23.360	OK
SIC202	FSR: 100 years: +40 %: 15 mins: Summer	10.000	9.000	9.030	0.030	1.6	0.024	0.000	1.5	0.707	OK
SIC302	FSR: 100 years: +40 %: 15 mins: Summer	10.000	9.000	9.023	0.023	2.0	0.018	0.000	1.9	0.847	OK
SMH304	FSR: 100 years: +40 %: 1440 mins: Summer	10.000	8.500	8.770	0.270	0.8	0.212	0.000	0.8	16.815	Surcharged
SMH305	FSR: 100 years: +40 %: 1440 mins: Summer	10.000	8.500	8.770	0.270	2.4	0.212	0.000	2.4	52.719	Surcharged
SMH306	FSR: 100 years: +40 %: 15 mins: Summer	10.000	8.700	8.930	0.230	26.3	0.181	0.000	24.0	13.759	Surcharged
SMH307	FSR: 100 years: +40 %: 15 mins: Summer	10.000	8.900	9.162	0.262	22.1	0.206	0.000	19.6	10.839	Surcharged
SIC303	FSR: 100 years: +40 %: 15 mins: Summer	10.000	9.000	9.244	0.244	18.7	0.192	0.000	15.9	8.141	Surcharged
SMH308	FSR: 100 years: +40 %: 15 mins: Summer	10.000	9.000	9.519	0.519	28.8	0.408	0.000	23.6	12.496	Surcharged
SMH309	FSR: 100 years: +40 %: 15 mins: Summer	10.000	8.800	9.226	0.426	28.0	0.334	0.000	24.2	14.455	Surcharged
SMH310	FSR: 100 years: +40 %: 1440 mins: Summer	10.000	8.550	8.964	0.414	3.9	0.325	0.000	3.9	85.443	Surcharged
SMH301	FSR: 100 years: +40 %: 1440 mins: Summer	10.000	8.250	8.964	0.714	2.7	0.561	0.000	2.7	59.120	Surcharged
SIC304	FSR: 100 years: +40 %: 15 mins: Summer	10.000	9.000	9.094	0.094	18.0	0.074	0.000	17.7	7.827	OK
SIC301	FSR: 100 years: +40 %: 15 mins: Summer	10.000	9.000	9.530	0.530	26.3	0.416	0.000	20.7	11.389	Surcharged
SMH303	FSR: 100 years: +40 %: 15 mins: Summer	10.000	8.700	9.166	0.466	30.2	0.365	0.000	25.9	15.506	Surcharged
SMH302	FSR: 100 years: +40 %: 1440 mins: Summer	10.000	8.500	8.964	0.464	2.7	0.364	0.000	2.7	59.599	Surcharged

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Controls Summary Storm Phase: Phase	AFA Consulting Engineers Ltd		

Critical Storm Per Item: Rank By: Max. Avg. 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)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Soakaway	FSR: 100 years: +40 %: 960 mins: Summer	8.849	8.849	1.449	1.449	1.6	16.519	0.000	0.0	0.000	9.437	OK
Soakaway (1)	FSR: 100 years: +40 %: 1440 mins: Summer	8.770	8.770	1.370	1.370	3.2	46.871	0.000	0.0	0.000	14.344	OK
Soakaway (2)	FSR: 100 years: +40 %: 1440 mins: Summer	8.964	8.964	1.964	1.964	6.6	97.036	0.000	0.0	0.064	1.785	OK
Porous Paving	FSR: 100 years: +40 %: 60 mins: Summer	1.539	0.586	0.066	0.086	21.9	13.676	0.000	0.0	0.000	99.197	OK
Porous Paving (1)	FSR: 100 years: +40 %: 60 mins: Summer	1.064	0.639	0.078	0.139	26.6	18.300	0.000	0.0	0.000	98.940	OK

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Connections Summary Storm Phase: Phase	AFA Consulting Engineers Ltd		

Critical Storm Per Item: Rank By: Max. Flow

Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
Pipe	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SMH201	SMH202	10.000	9.070	0.077	3.211	0.8	0.37	7.2	OK
Pipe (1)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SMH202	SMH203	10.000	8.984	0.055	4.413	1.6	0.5	9.7	OK
Pipe (2)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SIC202	SMH203	10.000	9.030	0.029	0.707	0.7	0.08	1.5	OK
Pipe (3)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SMH203	Soakaway	10.000	8.767	0.150	6.654	1.9	0.1	14.7	OK
Pipe (4)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SIC302	SMH304	10.000	9.023	0.031	0.847	0.7	0.05	1.9	OK
Pipe (6)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SIC303	SMH307	10.000	9.244	0.150	8.141	0.9	0.79	15.9	Surcharged
Pipe (7)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SMH307	SMH306	10.000	9.162	0.150	10.839	1.1	1.01	19.6	Surcharged
Pipe (8)	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SMH306	SMH305	10.000	8.909	0.137	13.759	1.5	1.2	24.5	Surcharged
Pipe (10)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SIC301	SMH303	10.000	9.530	0.150	11.389	1.2	1.07	20.7	Surcharged
Pipe (11)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SMH303	SMH302	10.000	9.166	0.150	15.506	1.5	1.28	25.9	Surcharged
Pipe (12)	FSR: 100 years: +40 %: 30 mins: Summer	Pipe	SMH302	SMH301	10.000	8.731	0.138	20.828	1.6	1.24	23.5	Surcharged
Pipe (13)	FSR: 100 years: +40 %: 30 mins: Summer	Pipe	SMH301	Soakaway (2)	10.000	8.294	0.150	20.817	2.7	0.21	23.5	OK
Pipe (14)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SMH309	SMH310	10.000	9.226	0.150	14.455	1.7	1.35	24.2	Surcharged
Pipe (16)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SIC304	SMH310	10.000	9.094	0.073	7.827	2.1	0.59	17.7	OK

Pipe (17)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SMH308	SMH309	10.000	9.519	0.150	12.496	1.3	1.14	23.6	Surcharged
Pipe (15)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SMH310	Soakaway (2)	10.000	8.603	0.150	22.253	3.5	0.3	41.7	OK
Pipe (5)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SMH304	Soakaway (1)	10.000	8.539	0.150	4.386	1.2	0.16	10.0	OK
Pipe (9)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SMH305	Soakaway (1)	10.000	8.565	0.150	13.734	2.4	0.39	24.4	OK

Project - 2080: Ramsbury Manor - Exhibition Centre	Date: 22/08/2025	
	Designed by: GB	Checked by: / Approved By:
Report Details: Type: Phase Management Storm Phase: Phase	Company Address: AFA Consulting Engineers Ltd	

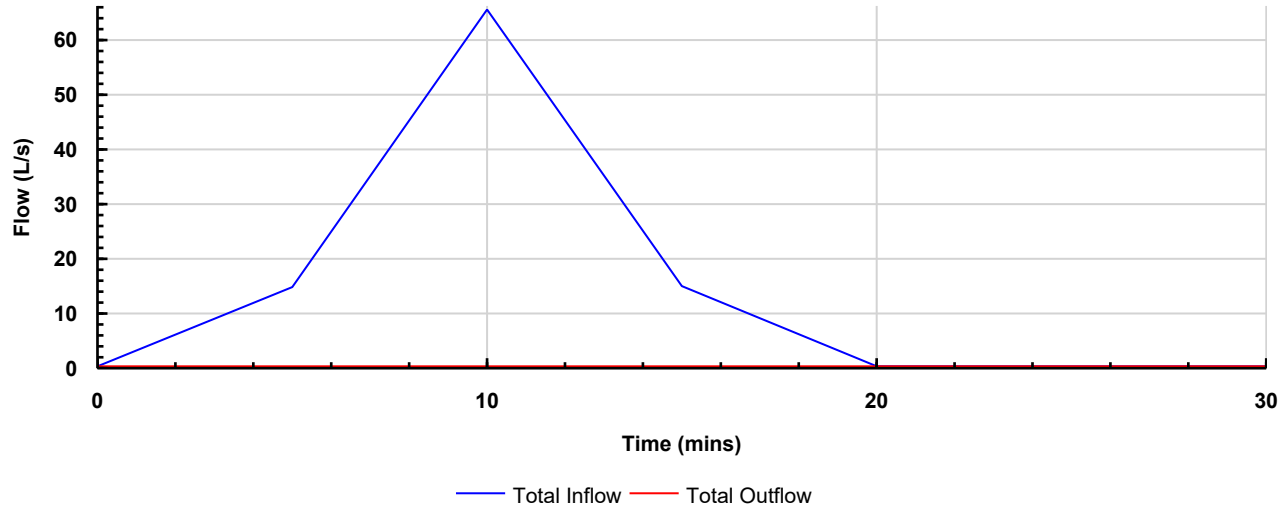
Phase
FSR: 2 years: Increase Rainfall (%): +0: 15 mins: Summer

Tables

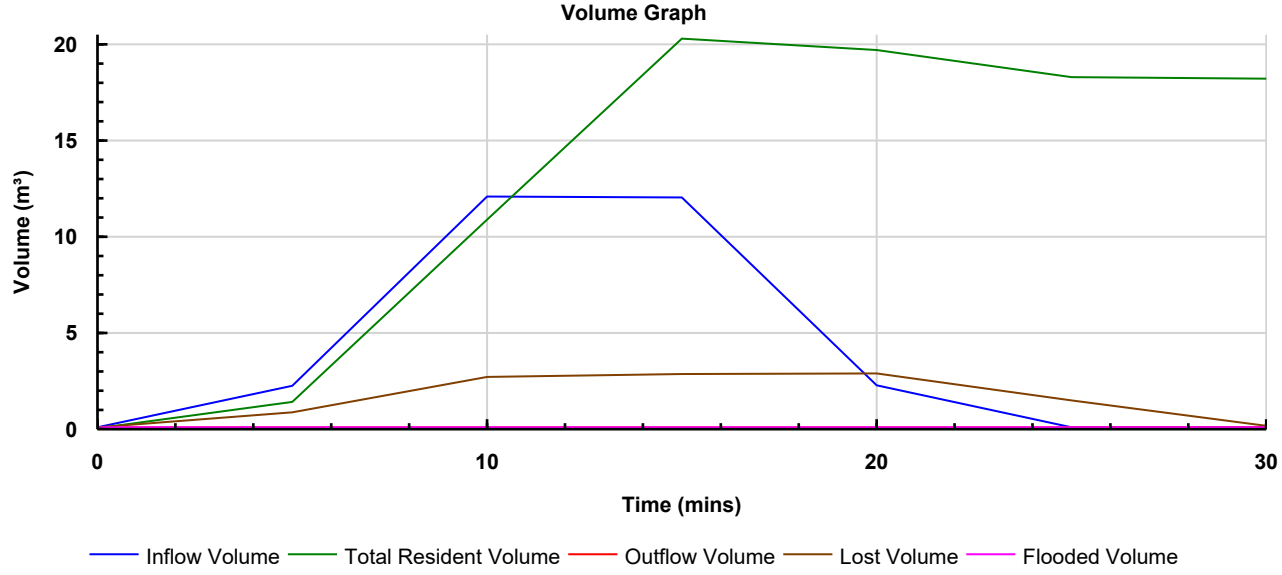
Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
TOTAL	65.6	28.412	0.0	0.000

Graphs

Flow Graph



Volume Graph



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

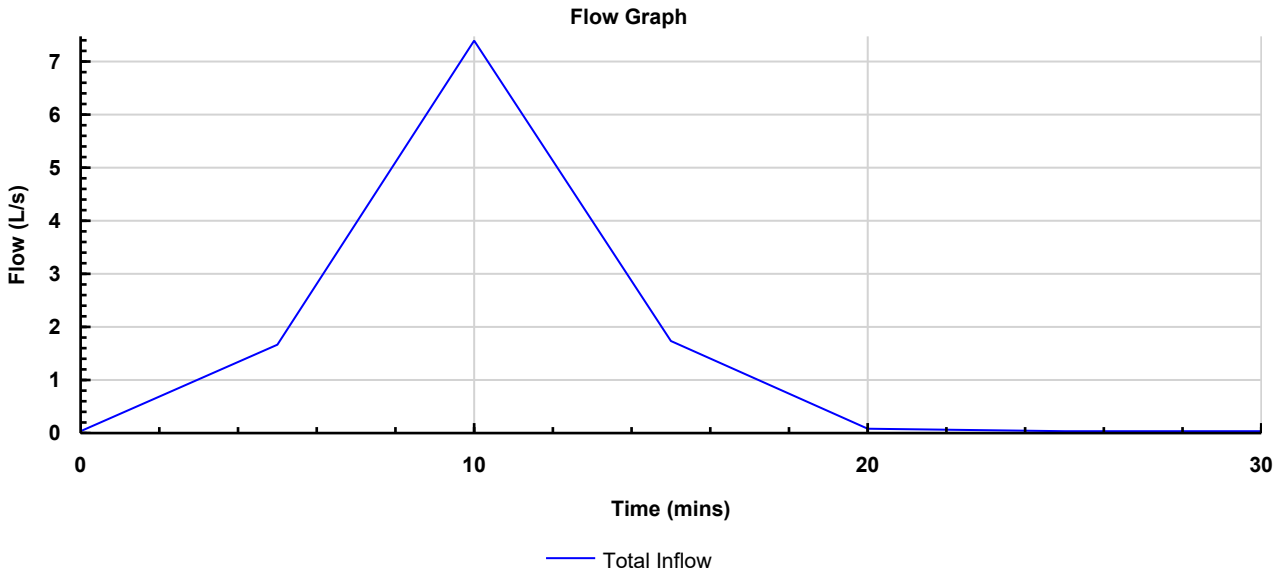
Catchment Area
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	7.4
Total Inflow Volume (m³)	3.216

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	1.6
10	7.4
15	1.7
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

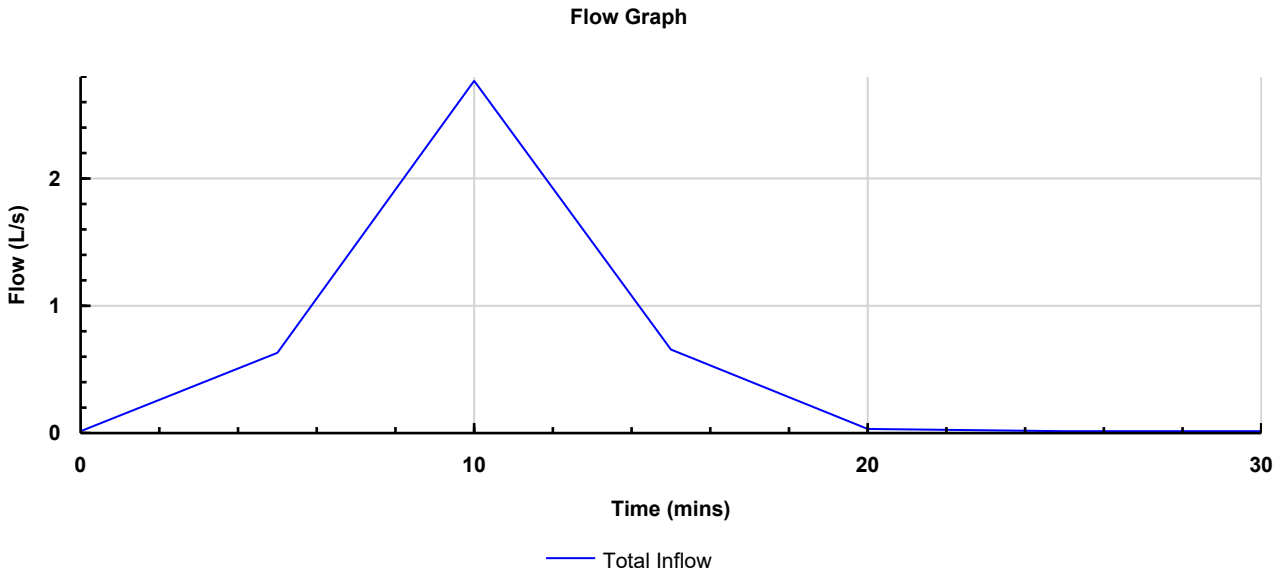
Catchment Area (1)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	2.8
Total Inflow Volume (m³)	1.207

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.6
10	2.8
15	0.6
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

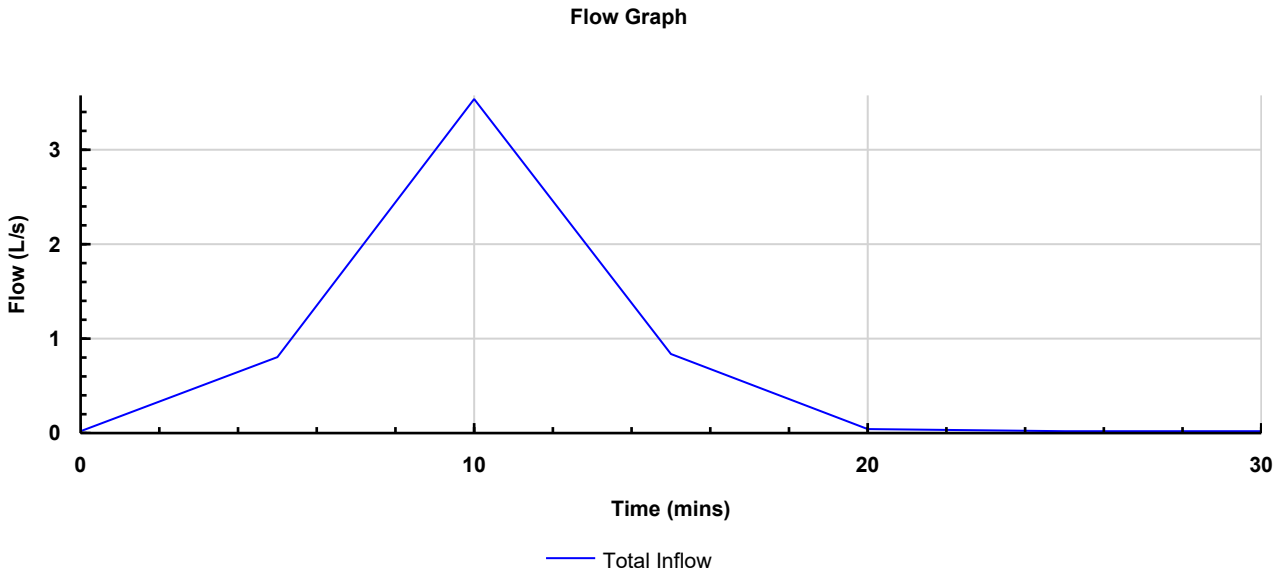
Catchment Area (2)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	3.5
Total Inflow Volume (m³)	1.542

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.8
10	3.5
15	0.8
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

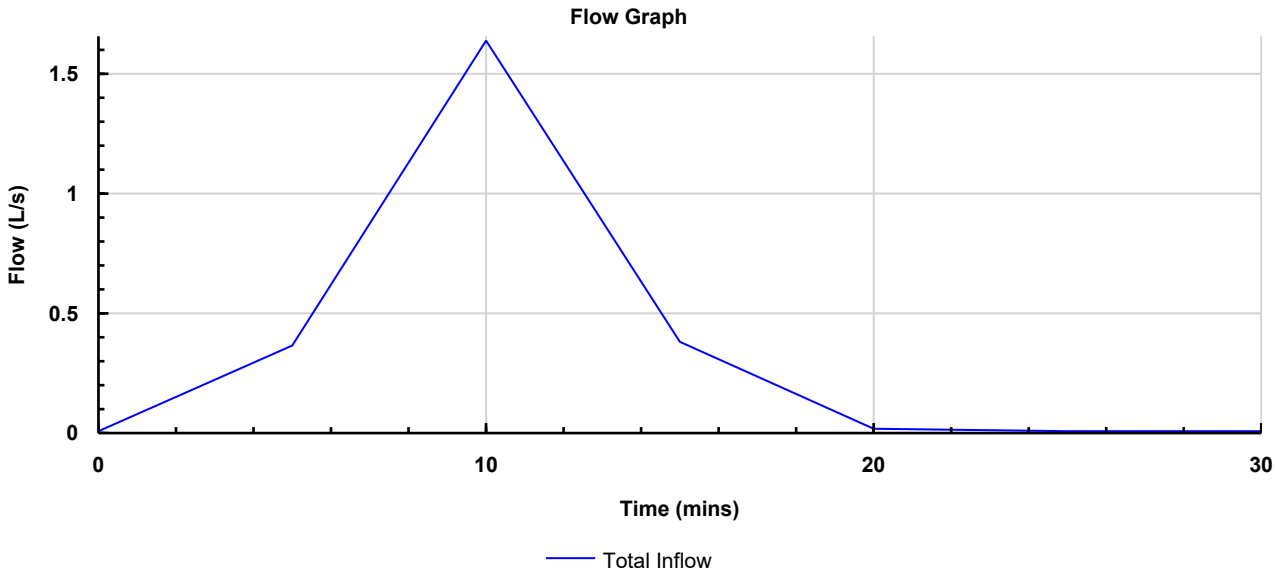
Catchment Area (3)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	1.6
Total Inflow Volume (m³)	0.711

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.4
10	1.6
15	0.4
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

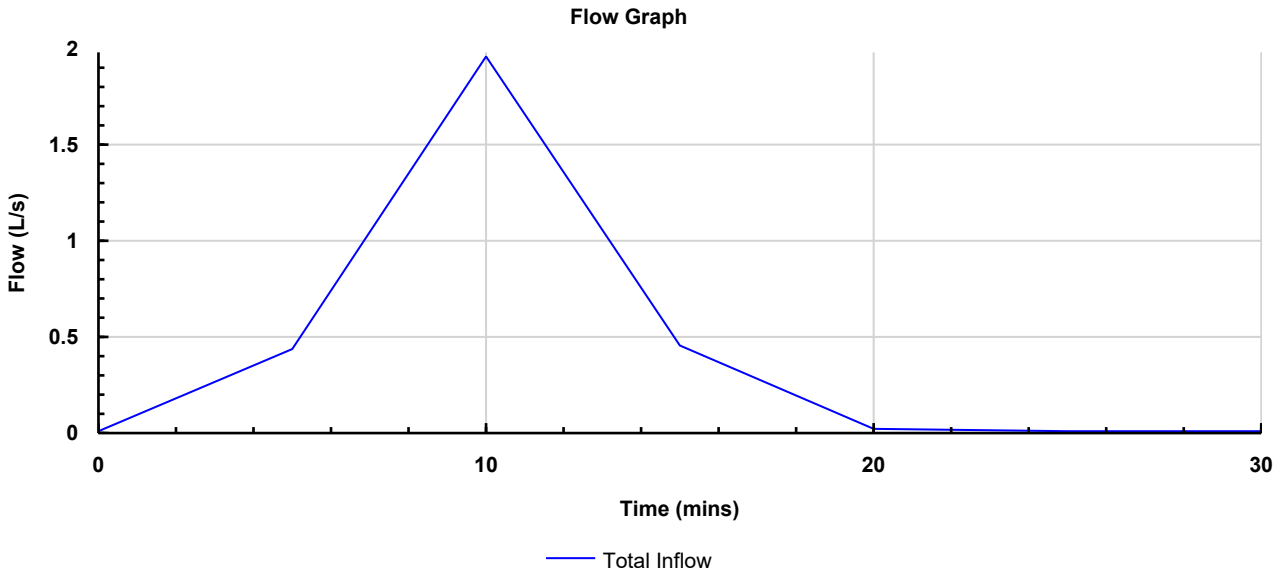
Catchment Area (4)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	2.0
Total Inflow Volume (m³)	0.849

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	0.4
10	2.0
15	0.4
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

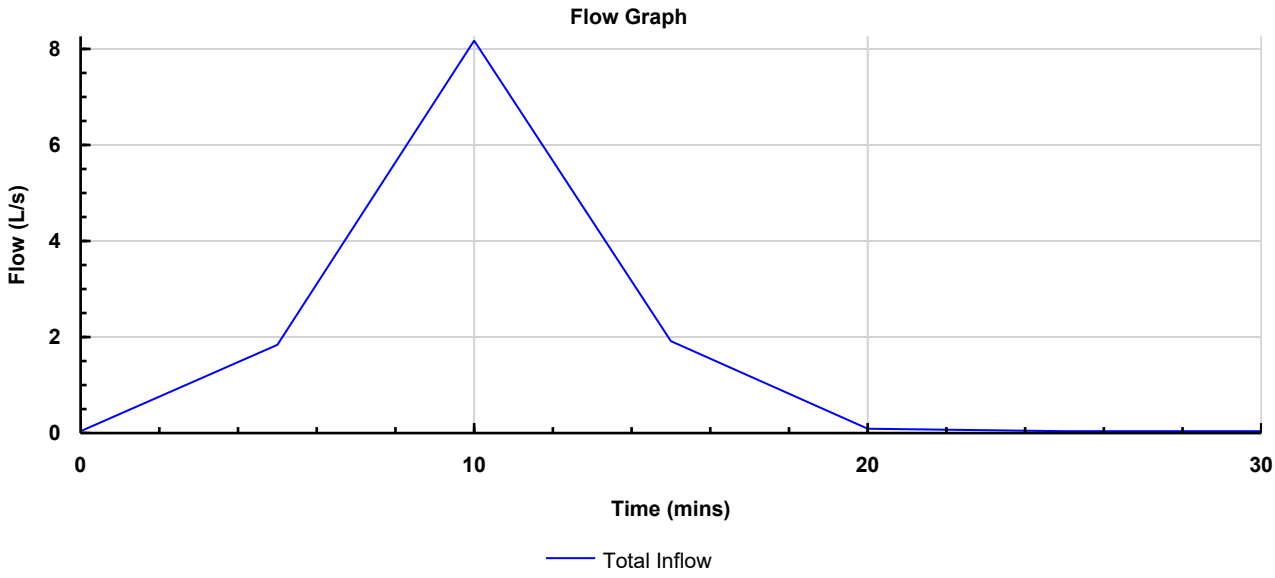
Catchment Area (5)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	8.2
Total Inflow Volume (m³)	3.553

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	1.8
10	8.2
15	1.9
20	0.1
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

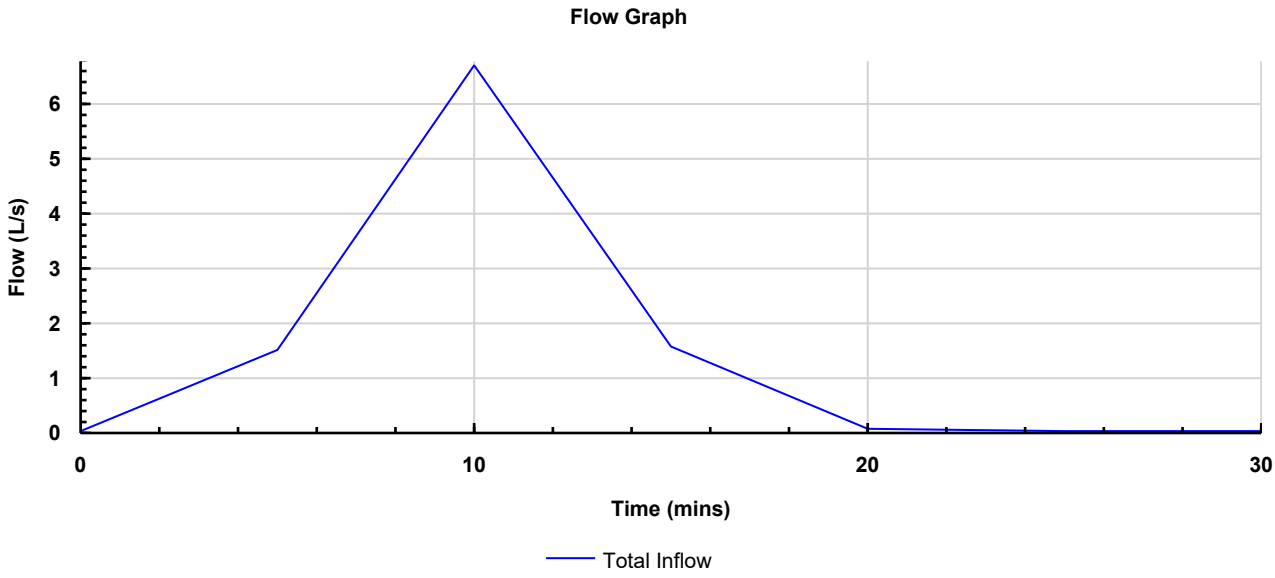
Catchment Area (6)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	6.7
Total Inflow Volume (m³)	2.918

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	1.5
10	6.7
15	1.6
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Catchment Area (7)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

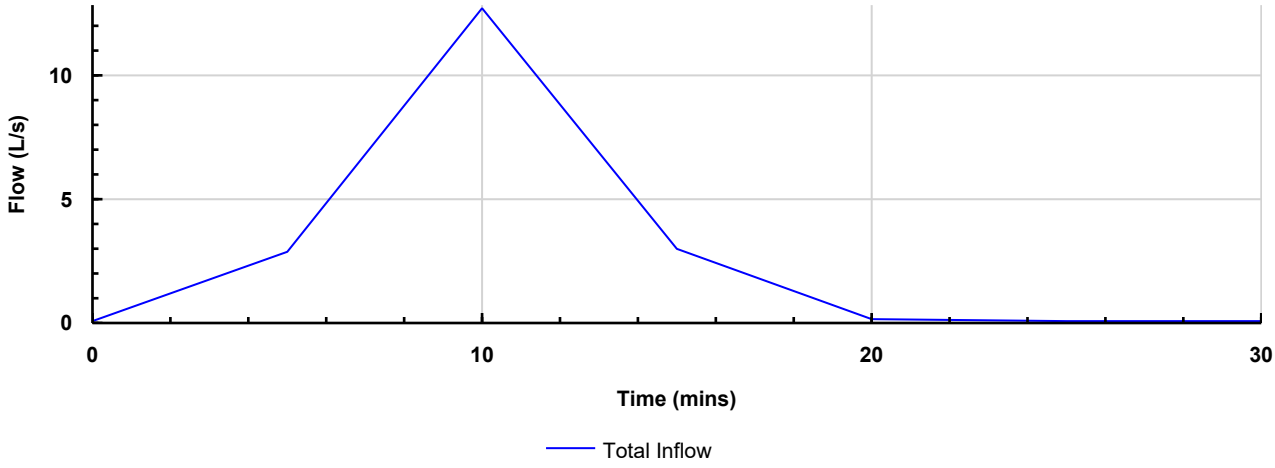
Type : Catchment Area

Inflow

Max. Inflow (L/s)	12.7
Total Inflow Volume (m³)	5.529

Graphs

Flow Graph



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	2.8
10	12.7
15	2.9
20	0.1
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

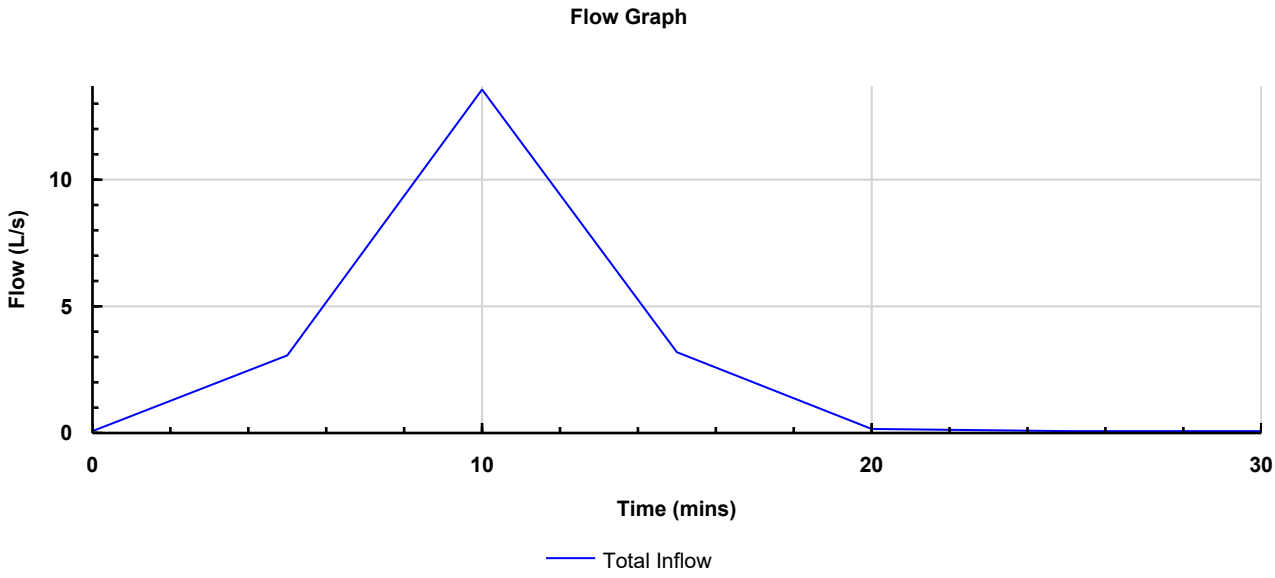
Catchment Area (8)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	13.6
Total Inflow Volume (m³)	5.899

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	3.0
10	13.6
15	3.1
20	0.1
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

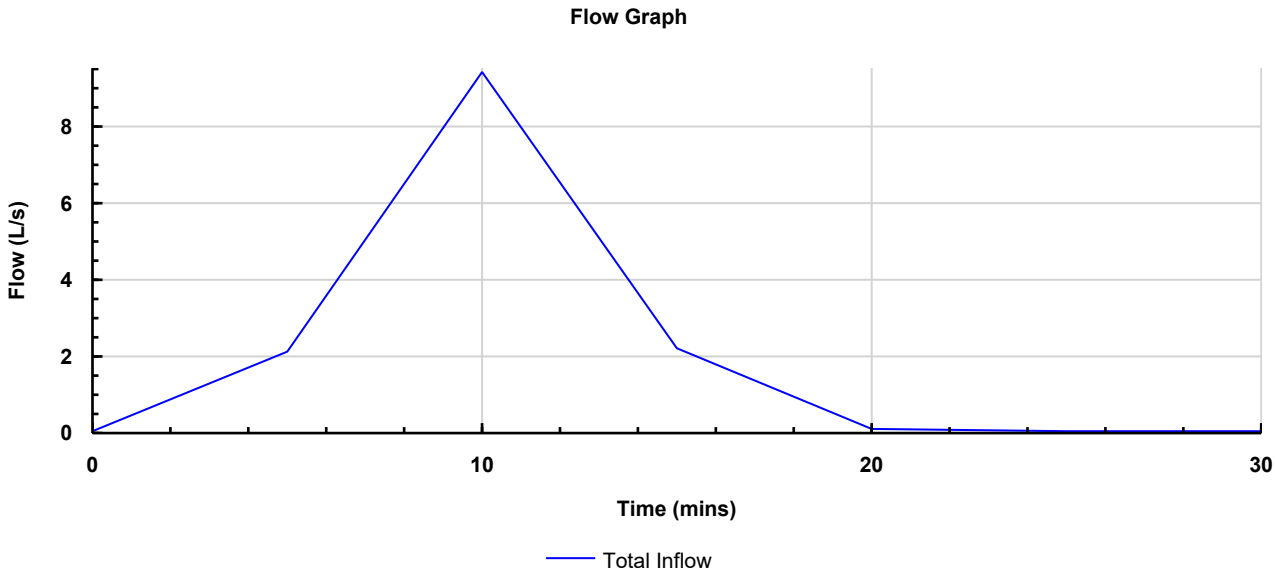
Catchment Area (9)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	9.4
Total Inflow Volume (m³)	4.098

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	2.1
10	9.4
15	2.2
20	0.1
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

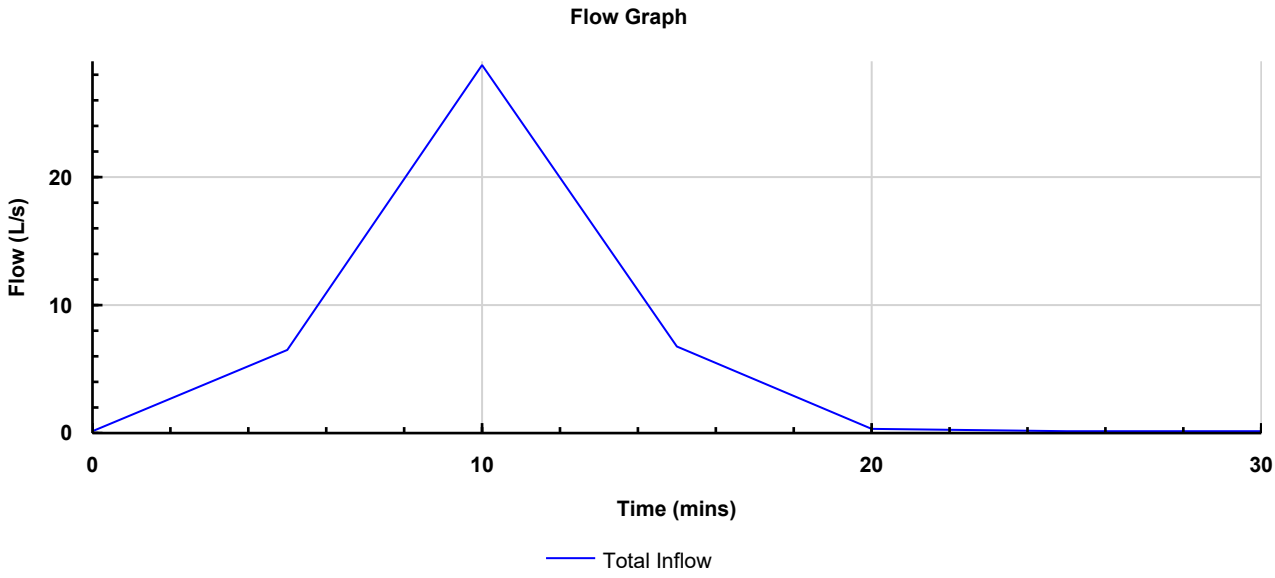
Catchment Area (10)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	28.8
Total Inflow Volume (m³)	12.515

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	6.4
10	28.8
15	6.7
20	0.2
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

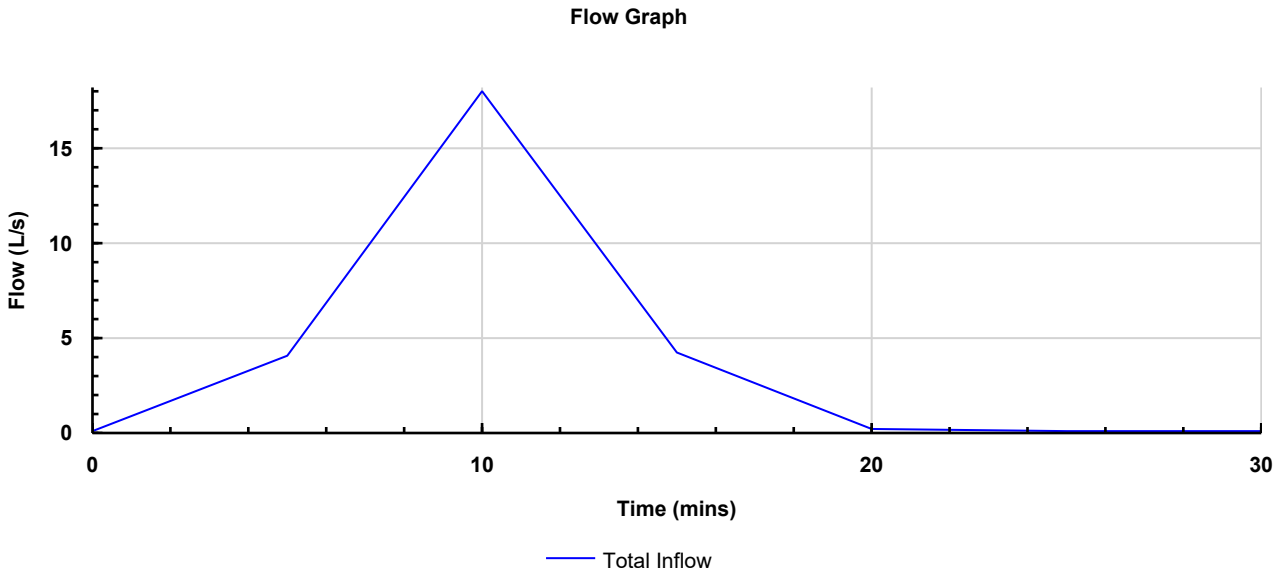
Catchment Area (11)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	18.0
Total Inflow Volume (m³)	7.835

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	4.0
10	18.0
15	4.2
20	0.1
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

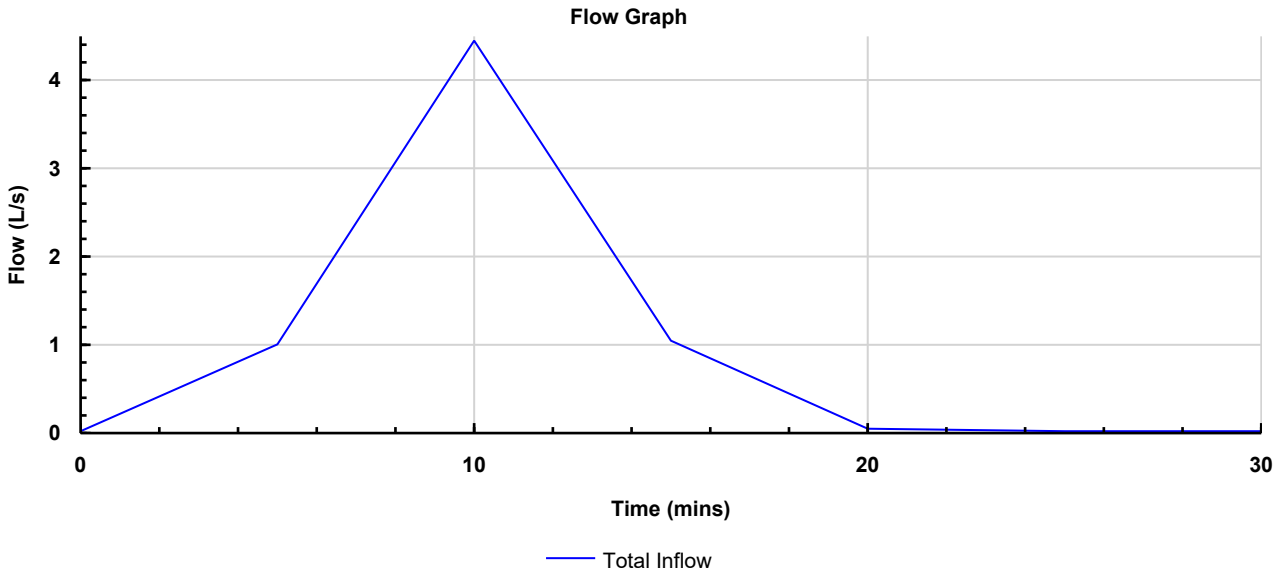
Catchment Area (12)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	4.4
Total Inflow Volume (m³)	1.936

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	1.0
10	4.4
15	1.0
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

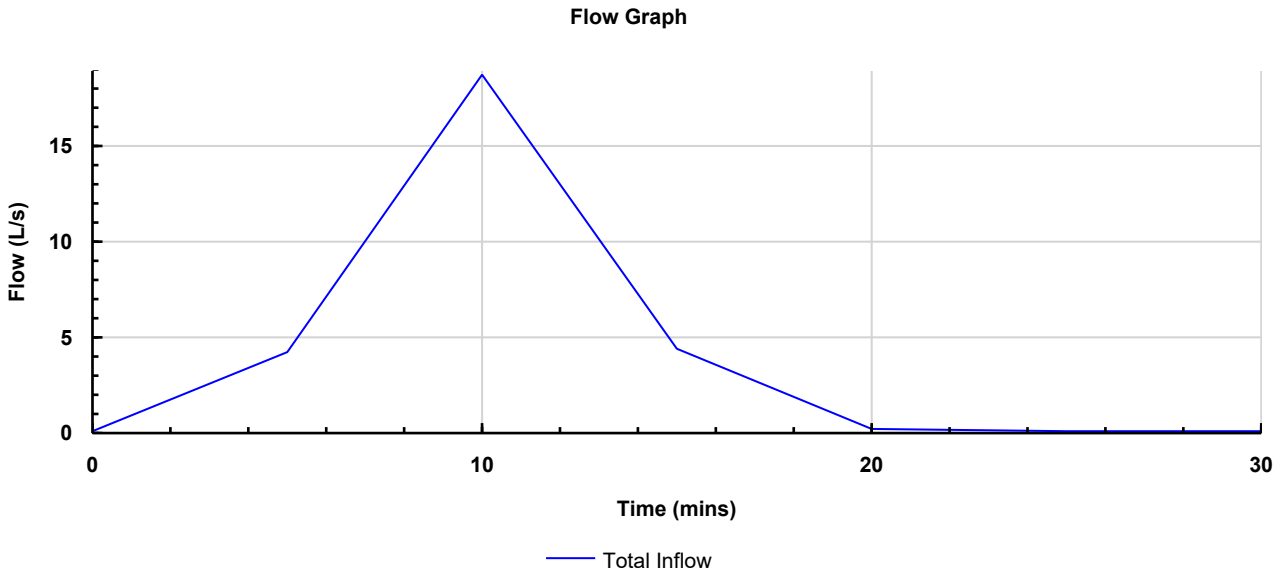
Catchment Area (13)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	18.7
Total Inflow Volume (m³)	8.148

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	4.2
10	18.7
15	4.3
20	0.1
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

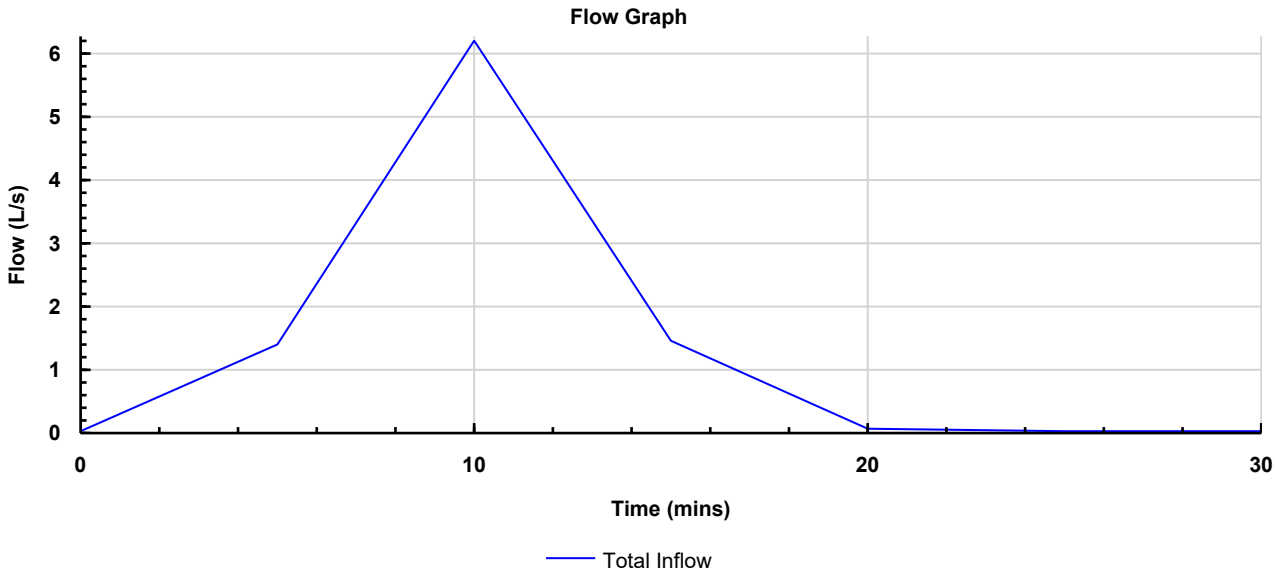
Catchment Area (14)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	6.2
Total Inflow Volume (m³)	2.701

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	1.4
10	6.2
15	1.4
20	0.0
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

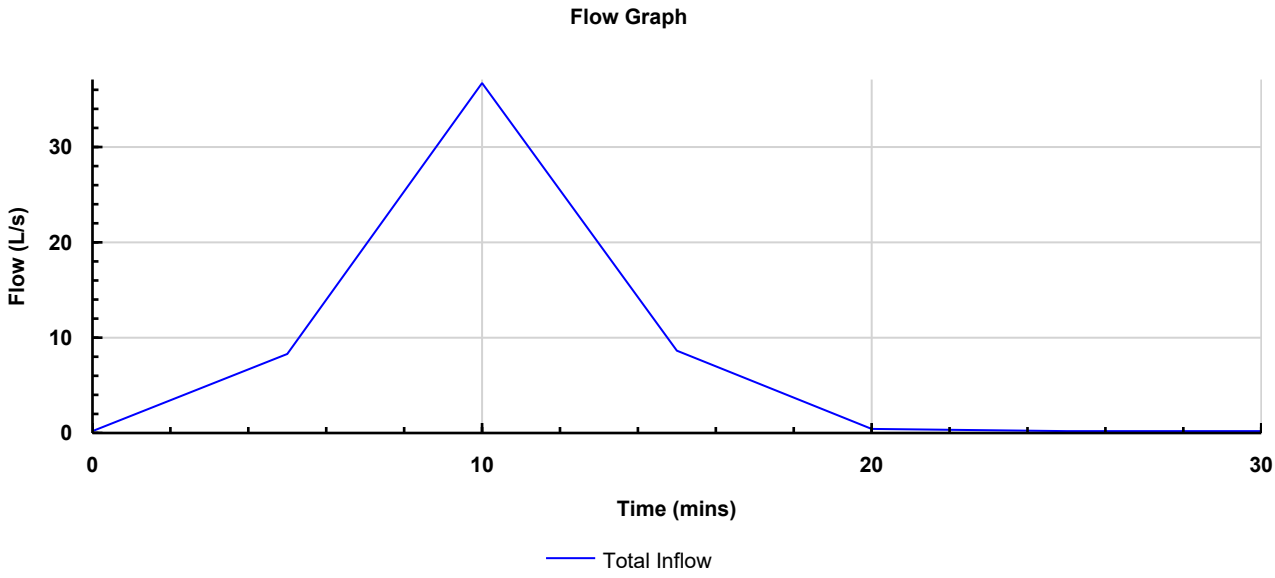
Catchment Area (15)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	36.7
Total Inflow Volume (m³)	15.972

Graphs



Tables

Time (mins)	Total Inflow (L/s)
0	0.0
5	8.1
10	36.7
15	8.5
20	0.2
25	0.0
30	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Inflow Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Catchment Area (16)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

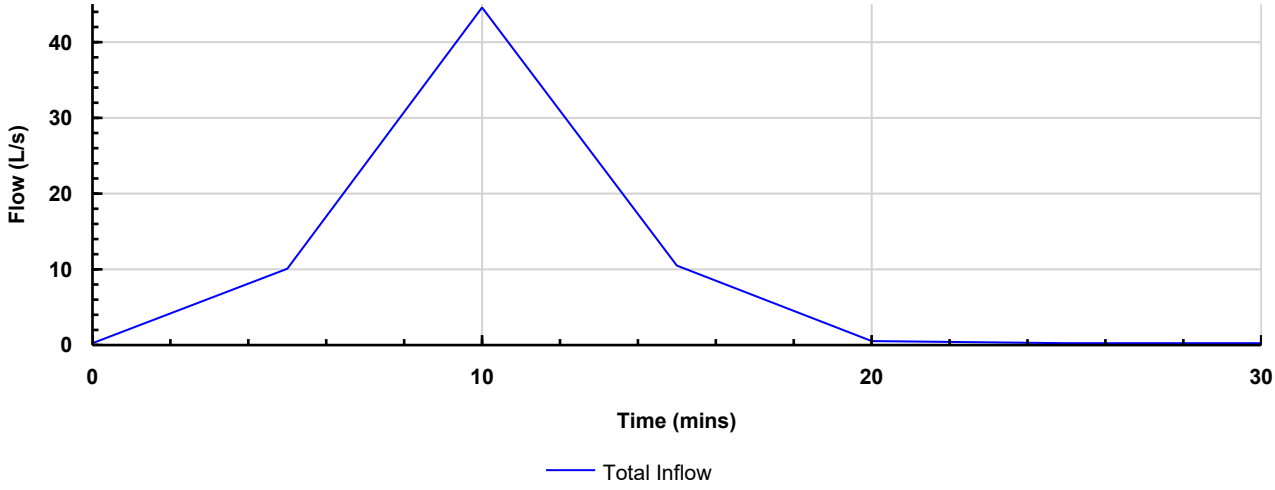
Type : Catchment Area

Inflow

Max. Inflow (L/s)	44.6
Total Inflow Volume (m³)	19.395

Graphs

Flow Graph



Tables

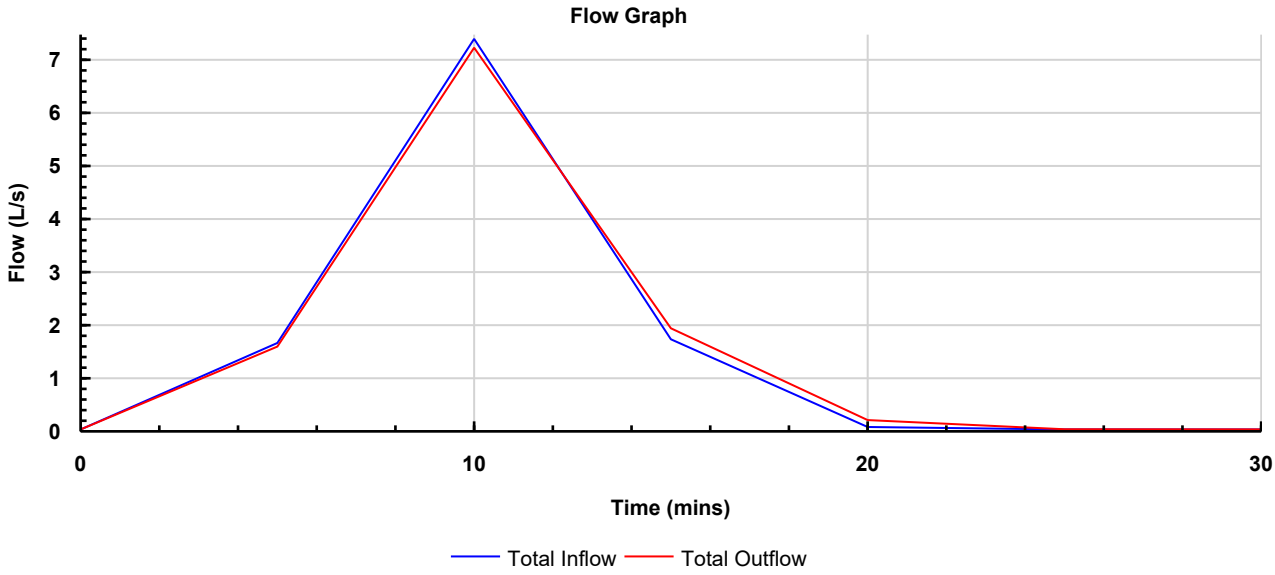
Time (mins)	Total Inflow (L/s)
0	0.0
5	9.9
10	44.6
15	10.3
20	0.3
25	0.0
30	0.0

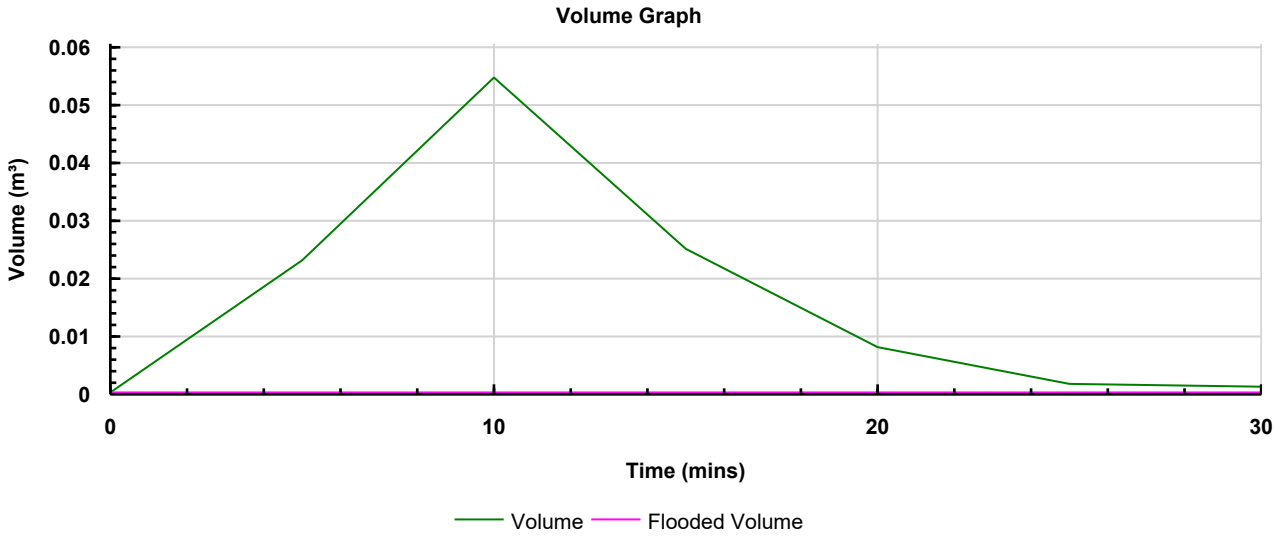
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH201 Type : Manhole

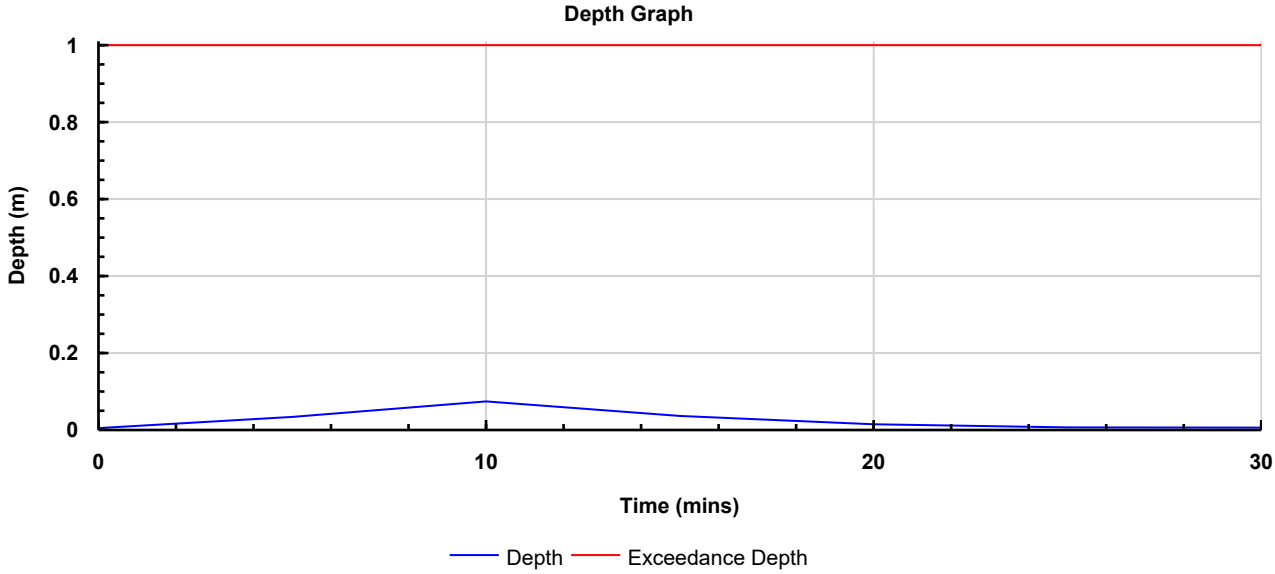
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

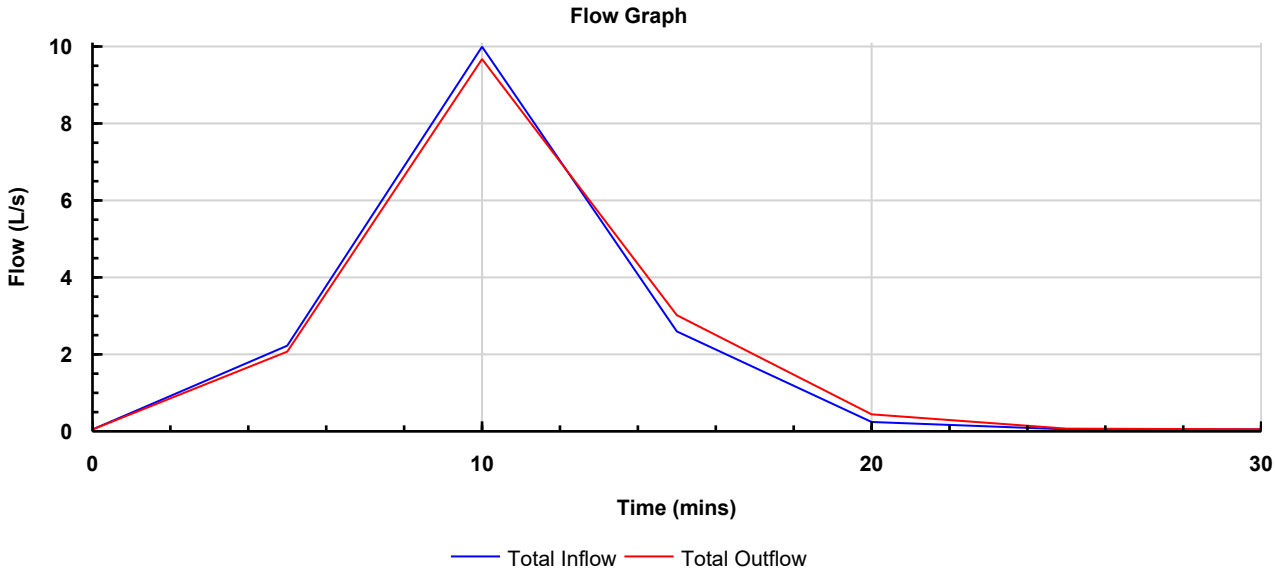
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	1.6	0.029	0.023	0.000	1.6
10	7.4	0.070	0.055	0.000	7.2
15	1.7	0.032	0.025	0.000	1.9
20	0.0	0.010	0.008	0.000	0.2
25	0.0	0.002	0.001	0.000	0.0
30	0.0	0.001	0.001	0.000	0.0

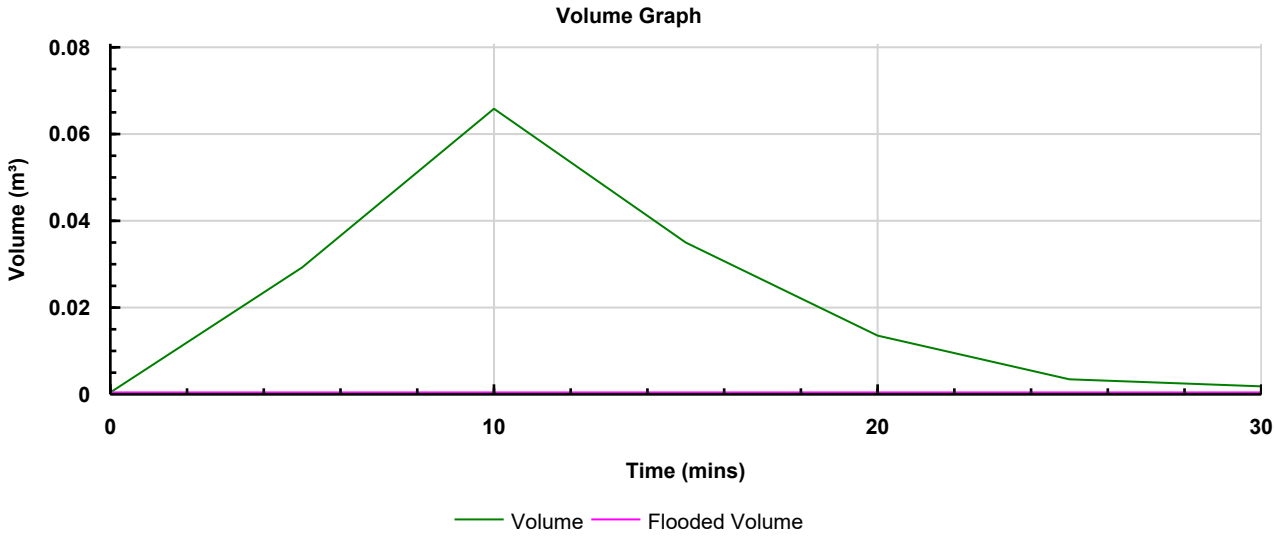
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH202 Type : Manhole

Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

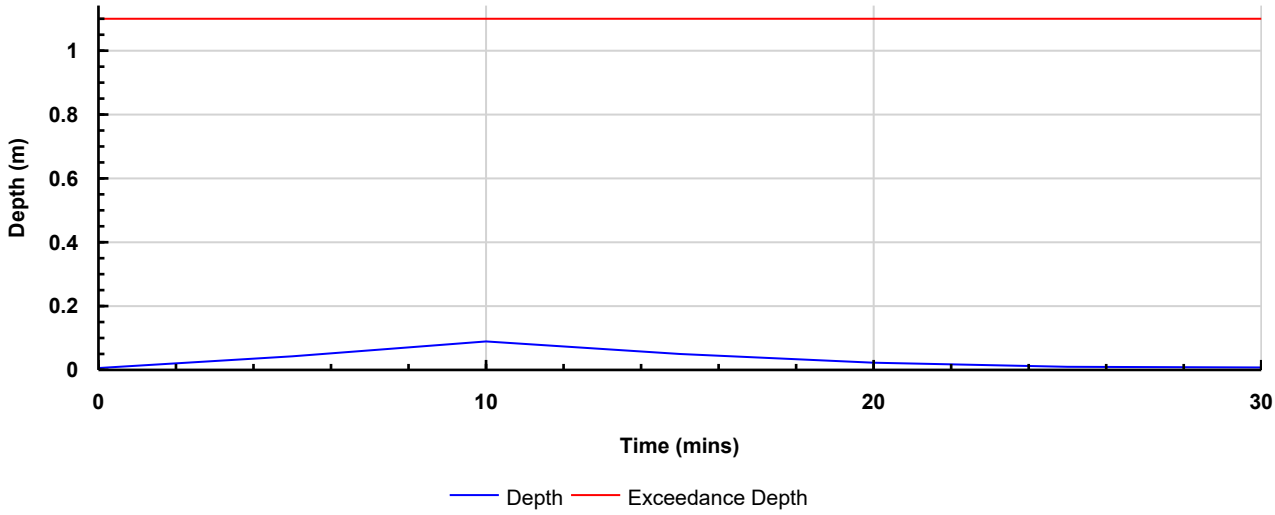
Graphs





Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Depth Graph



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

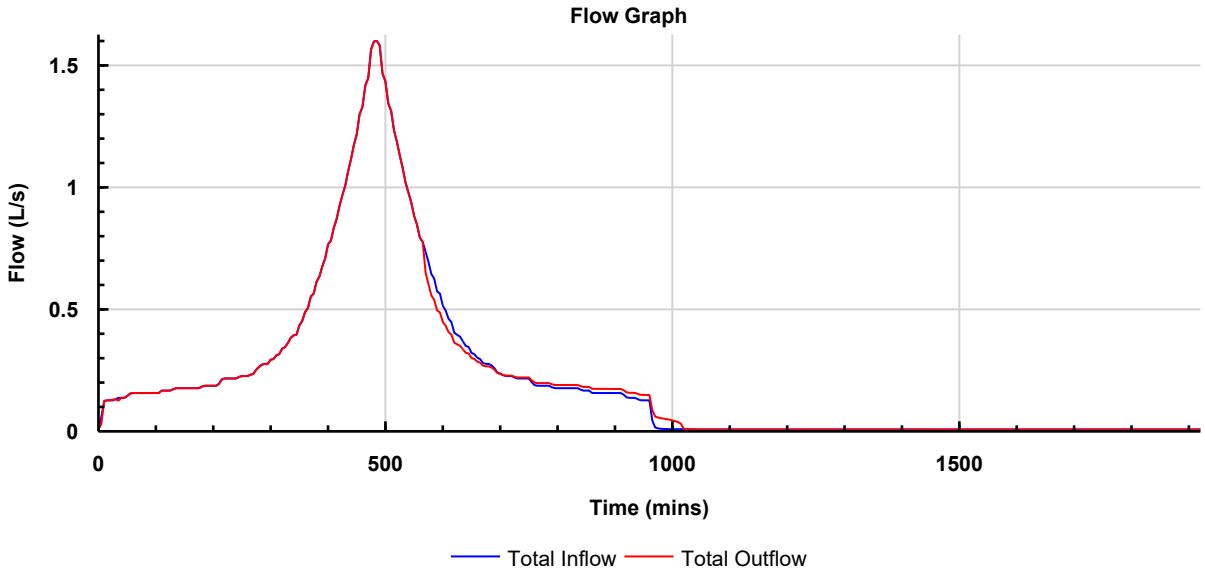
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	2.2	0.037	0.029	0.000	2.0
10	10.0	0.084	0.066	0.000	9.7
15	2.6	0.044	0.035	0.000	3.0
20	0.2	0.017	0.013	0.000	0.4
25	0.0	0.004	0.003	0.000	0.0
30	0.0	0.002	0.001	0.000	0.0

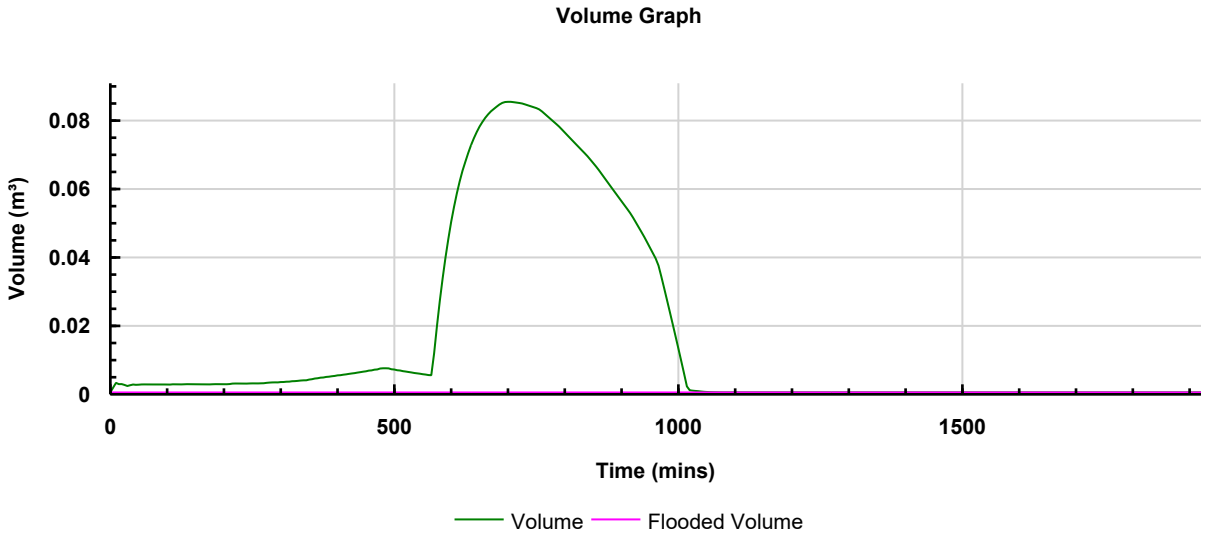
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH203 Type : Manhole

Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 960 mins: Summer

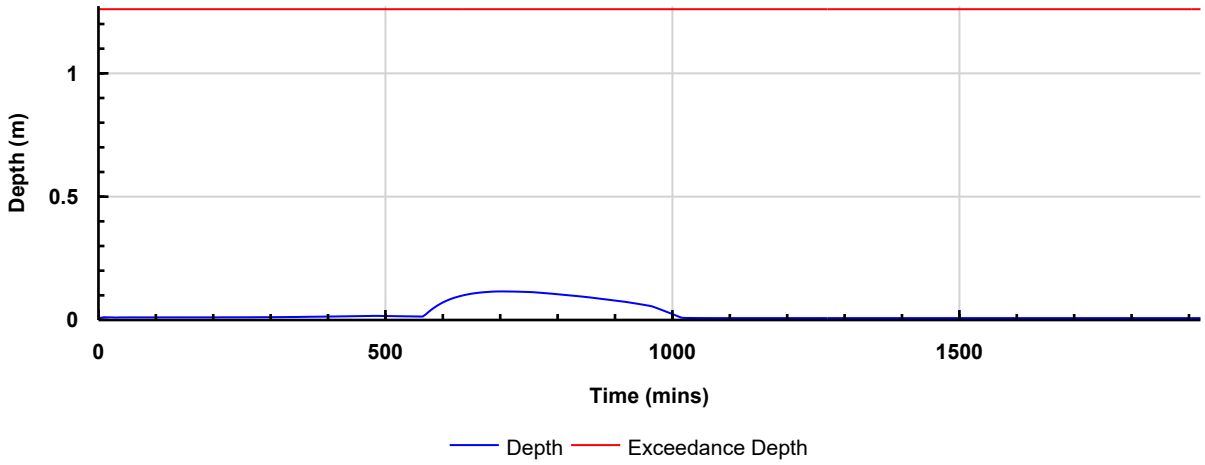
Graphs





Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Depth Graph



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.1	0.002	0.001	0.000	0.0
10	0.1	0.004	0.003	0.000	0.1
15	0.1	0.003	0.002	0.000	0.1
20	0.1	0.003	0.002	0.000	0.1
25	0.1	0.003	0.002	0.000	0.1
30	0.1	0.002	0.002	0.000	0.1
35	0.1	0.003	0.002	0.000	0.1
40	0.1	0.003	0.002	0.000	0.1
45	0.1	0.003	0.002	0.000	0.1
50	0.1	0.003	0.002	0.000	0.1
55	0.1	0.003	0.002	0.000	0.1
60	0.1	0.003	0.002	0.000	0.2
65	0.1	0.003	0.002	0.000	0.2
70	0.1	0.003	0.002	0.000	0.2
75	0.1	0.003	0.002	0.000	0.2
80	0.1	0.003	0.002	0.000	0.2
85	0.1	0.003	0.002	0.000	0.2
90	0.1	0.003	0.002	0.000	0.2
95	0.1	0.003	0.002	0.000	0.2
100	0.1	0.003	0.002	0.000	0.2
105	0.1	0.003	0.002	0.000	0.2
110	0.2	0.003	0.002	0.000	0.2
115	0.2	0.003	0.002	0.000	0.2
120	0.2	0.003	0.002	0.000	0.2
125	0.2	0.003	0.002	0.000	0.2
130	0.2	0.003	0.002	0.000	0.2
135	0.2	0.003	0.002	0.000	0.2
140	0.2	0.003	0.002	0.000	0.2
145	0.2	0.003	0.002	0.000	0.2
150	0.2	0.003	0.002	0.000	0.2
155	0.2	0.003	0.002	0.000	0.2
160	0.2	0.003	0.002	0.000	0.2
165	0.2	0.003	0.002	0.000	0.2
170	0.2	0.003	0.002	0.000	0.2
175	0.2	0.003	0.002	0.000	0.2
180	0.2	0.003	0.002	0.000	0.2
185	0.2	0.003	0.002	0.000	0.2
190	0.2	0.003	0.002	0.000	0.2
195	0.2	0.003	0.002	0.000	0.2
200	0.2	0.003	0.002	0.000	0.2
205	0.2	0.003	0.002	0.000	0.2
210	0.2	0.003	0.002	0.000	0.2
215	0.2	0.003	0.003	0.000	0.2
220	0.2	0.003	0.003	0.000	0.2
225	0.2	0.003	0.003	0.000	0.2
230	0.2	0.003	0.003	0.000	0.2
235	0.2	0.003	0.003	0.000	0.2
240	0.2	0.003	0.003	0.000	0.2
245	0.2	0.003	0.003	0.000	0.2
250	0.2	0.003	0.003	0.000	0.2
255	0.2	0.003	0.003	0.000	0.2

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
260	0.2	0.003	0.003	0.000	0.2
265	0.2	0.003	0.003	0.000	0.2
270	0.2	0.003	0.003	0.000	0.2
275	0.2	0.004	0.003	0.000	0.2
280	0.3	0.004	0.003	0.000	0.3
285	0.3	0.004	0.003	0.000	0.3
290	0.3	0.004	0.003	0.000	0.3
295	0.3	0.004	0.003	0.000	0.3
300	0.3	0.004	0.003	0.000	0.3
305	0.3	0.004	0.003	0.000	0.3
310	0.3	0.004	0.003	0.000	0.3
315	0.3	0.004	0.003	0.000	0.3
320	0.3	0.004	0.003	0.000	0.3
325	0.3	0.004	0.003	0.000	0.3
330	0.4	0.004	0.003	0.000	0.4
335	0.4	0.004	0.004	0.000	0.4
340	0.4	0.005	0.004	0.000	0.4
345	0.4	0.005	0.004	0.000	0.4
350	0.4	0.005	0.004	0.000	0.4
355	0.4	0.005	0.004	0.000	0.4
360	0.5	0.005	0.004	0.000	0.5
365	0.5	0.005	0.004	0.000	0.5
370	0.5	0.006	0.004	0.000	0.5
375	0.6	0.006	0.004	0.000	0.6
380	0.6	0.006	0.005	0.000	0.6
385	0.6	0.006	0.005	0.000	0.6
390	0.7	0.006	0.005	0.000	0.7
395	0.7	0.006	0.005	0.000	0.7
400	0.8	0.006	0.005	0.000	0.8
405	0.8	0.006	0.005	0.000	0.8
410	0.8	0.007	0.005	0.000	0.8
415	0.9	0.007	0.005	0.000	0.9
420	0.9	0.007	0.005	0.000	0.9
425	1.0	0.007	0.006	0.000	1.0
430	1.0	0.007	0.006	0.000	1.0
435	1.1	0.007	0.006	0.000	1.1
440	1.1	0.008	0.006	0.000	1.1
445	1.2	0.008	0.006	0.000	1.2
450	1.2	0.008	0.006	0.000	1.2
455	1.3	0.008	0.006	0.000	1.3
460	1.3	0.008	0.006	0.000	1.3
465	1.4	0.009	0.007	0.000	1.4
470	1.4	0.009	0.007	0.000	1.4
475	1.6	0.009	0.007	0.000	1.6
480	1.6	0.009	0.007	0.000	1.6
485	1.6	0.009	0.007	0.000	1.6
490	1.6	0.009	0.007	0.000	1.6
495	1.5	0.009	0.007	0.000	1.5
500	1.4	0.009	0.007	0.000	1.4
505	1.3	0.008	0.007	0.000	1.3
510	1.3	0.008	0.006	0.000	1.3
515	1.2	0.008	0.006	0.000	1.2
520	1.2	0.008	0.006	0.000	1.2
525	1.1	0.008	0.006	0.000	1.1
530	1.1	0.007	0.006	0.000	1.1

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
535	1.0	0.007	0.006	0.000	1.0
540	1.0	0.007	0.006	0.000	1.0
545	0.9	0.007	0.006	0.000	0.9
550	0.9	0.007	0.005	0.000	0.9
555	0.8	0.007	0.005	0.000	0.8
560	0.8	0.007	0.005	0.000	0.8
565	0.8	0.006	0.005	0.000	0.8
570	0.7	0.015	0.011	0.000	0.6
575	0.7	0.025	0.020	0.000	0.6
580	0.6	0.034	0.027	0.000	0.6
585	0.6	0.043	0.034	0.000	0.5
590	0.6	0.051	0.040	0.000	0.5
595	0.6	0.057	0.045	0.000	0.5
600	0.5	0.064	0.050	0.000	0.4
605	0.5	0.069	0.055	0.000	0.4
610	0.5	0.075	0.059	0.000	0.4
615	0.4	0.079	0.062	0.000	0.4
620	0.4	0.083	0.065	0.000	0.4
625	0.4	0.086	0.068	0.000	0.4
630	0.4	0.090	0.070	0.000	0.3
635	0.4	0.093	0.073	0.000	0.3
640	0.3	0.095	0.075	0.000	0.3
645	0.3	0.098	0.077	0.000	0.3
650	0.3	0.100	0.078	0.000	0.3
655	0.3	0.101	0.080	0.000	0.3
660	0.3	0.103	0.081	0.000	0.3
665	0.3	0.104	0.082	0.000	0.3
670	0.3	0.105	0.083	0.000	0.3
675	0.3	0.106	0.083	0.000	0.3
680	0.3	0.107	0.084	0.000	0.3
685	0.3	0.108	0.085	0.000	0.3
690	0.3	0.108	0.085	0.000	0.2
695	0.2	0.109	0.085	0.000	0.2
700	0.2	0.109	0.085	0.000	0.2
705	0.2	0.109	0.085	0.000	0.2
710	0.2	0.109	0.085	0.000	0.2
715	0.2	0.109	0.085	0.000	0.2
720	0.2	0.108	0.085	0.000	0.2
725	0.2	0.108	0.085	0.000	0.2
730	0.2	0.108	0.085	0.000	0.2
735	0.2	0.108	0.084	0.000	0.2
740	0.2	0.107	0.084	0.000	0.2
745	0.2	0.107	0.084	0.000	0.2
750	0.2	0.107	0.084	0.000	0.2
755	0.2	0.106	0.083	0.000	0.2
760	0.2	0.105	0.083	0.000	0.2
765	0.2	0.104	0.082	0.000	0.2
770	0.2	0.103	0.081	0.000	0.2
775	0.2	0.102	0.080	0.000	0.2
780	0.2	0.101	0.080	0.000	0.2
785	0.2	0.101	0.079	0.000	0.2
790	0.2	0.100	0.078	0.000	0.2
795	0.2	0.098	0.077	0.000	0.2
800	0.2	0.097	0.076	0.000	0.2
805	0.2	0.096	0.076	0.000	0.2

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
810	0.2	0.095	0.075	0.000	0.2
815	0.2	0.094	0.074	0.000	0.2
820	0.2	0.093	0.073	0.000	0.2
825	0.2	0.092	0.072	0.000	0.2
830	0.2	0.091	0.071	0.000	0.2
835	0.2	0.090	0.070	0.000	0.2
840	0.2	0.088	0.069	0.000	0.2
845	0.2	0.087	0.068	0.000	0.2
850	0.2	0.086	0.067	0.000	0.2
855	0.2	0.085	0.066	0.000	0.2
860	0.2	0.083	0.065	0.000	0.2
865	0.2	0.082	0.064	0.000	0.2
870	0.2	0.080	0.063	0.000	0.2
875	0.2	0.079	0.062	0.000	0.2
880	0.2	0.077	0.061	0.000	0.2
885	0.2	0.076	0.060	0.000	0.2
890	0.2	0.074	0.058	0.000	0.2
895	0.2	0.073	0.057	0.000	0.2
900	0.2	0.072	0.056	0.000	0.2
905	0.2	0.070	0.055	0.000	0.2
910	0.2	0.069	0.054	0.000	0.2
915	0.1	0.067	0.053	0.000	0.2
920	0.1	0.066	0.051	0.000	0.2
925	0.1	0.064	0.050	0.000	0.2
930	0.1	0.062	0.049	0.000	0.2
935	0.1	0.060	0.047	0.000	0.2
940	0.1	0.058	0.046	0.000	0.1
945	0.1	0.056	0.044	0.000	0.1
950	0.1	0.054	0.043	0.000	0.1
955	0.1	0.052	0.041	0.000	0.1
960	0.1	0.050	0.039	0.000	0.1
965	0.0	0.048	0.037	0.000	0.1
970	0.0	0.043	0.034	0.000	0.1
975	0.0	0.039	0.031	0.000	0.0
980	0.0	0.035	0.027	0.000	0.0
985	0.0	0.030	0.024	0.000	0.0
990	0.0	0.026	0.020	0.000	0.0
995	0.0	0.021	0.017	0.000	0.0
1000	0.0	0.016	0.013	0.000	0.0
1005	0.0	0.012	0.009	0.000	0.0
1010	0.0	0.007	0.006	0.000	0.0
1015	0.0	0.002	0.002	0.000	0.0
1020	0.0	0.001	0.001	0.000	0.0
1025	0.0	0.001	0.001	0.000	0.0
1030	0.0	0.001	0.000	0.000	0.0
1035	0.0	0.000	0.000	0.000	0.0
1040	0.0	0.000	0.000	0.000	0.0
1045	0.0	0.000	0.000	0.000	0.0
1050	0.0	0.000	0.000	0.000	0.0
1055	0.0	0.000	0.000	0.000	0.0
1060	0.0	0.000	0.000	0.000	0.0
1065	0.0	0.000	0.000	0.000	0.0
1070	0.0	0.000	0.000	0.000	0.0
1075	0.0	0.000	0.000	0.000	0.0
1080	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1085	0.0	0.000	0.000	0.000	0.0
1090	0.0	0.000	0.000	0.000	0.0
1095	0.0	0.000	0.000	0.000	0.0
1100	0.0	0.000	0.000	0.000	0.0
1105	0.0	0.000	0.000	0.000	0.0
1110	0.0	0.000	0.000	0.000	0.0
1115	0.0	0.000	0.000	0.000	0.0
1120	0.0	0.000	0.000	0.000	0.0
1125	0.0	0.000	0.000	0.000	0.0
1130	0.0	0.000	0.000	0.000	0.0
1135	0.0	0.000	0.000	0.000	0.0
1140	0.0	0.000	0.000	0.000	0.0
1145	0.0	0.000	0.000	0.000	0.0
1150	0.0	0.000	0.000	0.000	0.0
1155	0.0	0.000	0.000	0.000	0.0
1160	0.0	0.000	0.000	0.000	0.0
1165	0.0	0.000	0.000	0.000	0.0
1170	0.0	0.000	0.000	0.000	0.0
1175	0.0	0.000	0.000	0.000	0.0
1180	0.0	0.000	0.000	0.000	0.0
1185	0.0	0.000	0.000	0.000	0.0
1190	0.0	0.000	0.000	0.000	0.0
1195	0.0	0.000	0.000	0.000	0.0
1200	0.0	0.000	0.000	0.000	0.0
1205	0.0	0.000	0.000	0.000	0.0
1210	0.0	0.000	0.000	0.000	0.0
1215	0.0	0.000	0.000	0.000	0.0
1220	0.0	0.000	0.000	0.000	0.0
1225	0.0	0.000	0.000	0.000	0.0
1230	0.0	0.000	0.000	0.000	0.0
1235	0.0	0.000	0.000	0.000	0.0
1240	0.0	0.000	0.000	0.000	0.0
1245	0.0	0.000	0.000	0.000	0.0
1250	0.0	0.000	0.000	0.000	0.0
1255	0.0	0.000	0.000	0.000	0.0
1260	0.0	0.000	0.000	0.000	0.0
1265	0.0	0.000	0.000	0.000	0.0
1270	0.0	0.000	0.000	0.000	0.0
1275	0.0	0.000	0.000	0.000	0.0
1280	0.0	0.000	0.000	0.000	0.0
1285	0.0	0.000	0.000	0.000	0.0
1290	0.0	0.000	0.000	0.000	0.0
1295	0.0	0.000	0.000	0.000	0.0
1300	0.0	0.000	0.000	0.000	0.0
1305	0.0	0.000	0.000	0.000	0.0
1310	0.0	0.000	0.000	0.000	0.0
1315	0.0	0.000	0.000	0.000	0.0
1320	0.0	0.000	0.000	0.000	0.0
1325	0.0	0.000	0.000	0.000	0.0
1330	0.0	0.000	0.000	0.000	0.0
1335	0.0	0.000	0.000	0.000	0.0
1340	0.0	0.000	0.000	0.000	0.0
1345	0.0	0.000	0.000	0.000	0.0
1350	0.0	0.000	0.000	0.000	0.0
1355	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1360	0.0	0.000	0.000	0.000	0.0
1365	0.0	0.000	0.000	0.000	0.0
1370	0.0	0.000	0.000	0.000	0.0
1375	0.0	0.000	0.000	0.000	0.0
1380	0.0	0.000	0.000	0.000	0.0
1385	0.0	0.000	0.000	0.000	0.0
1390	0.0	0.000	0.000	0.000	0.0
1395	0.0	0.000	0.000	0.000	0.0
1400	0.0	0.000	0.000	0.000	0.0
1405	0.0	0.000	0.000	0.000	0.0
1410	0.0	0.000	0.000	0.000	0.0
1415	0.0	0.000	0.000	0.000	0.0
1420	0.0	0.000	0.000	0.000	0.0
1425	0.0	0.000	0.000	0.000	0.0
1430	0.0	0.000	0.000	0.000	0.0
1435	0.0	0.000	0.000	0.000	0.0
1440	0.0	0.000	0.000	0.000	0.0
1445	0.0	0.000	0.000	0.000	0.0
1450	0.0	0.000	0.000	0.000	0.0
1455	0.0	0.000	0.000	0.000	0.0
1460	0.0	0.000	0.000	0.000	0.0
1465	0.0	0.000	0.000	0.000	0.0
1470	0.0	0.000	0.000	0.000	0.0
1475	0.0	0.000	0.000	0.000	0.0
1480	0.0	0.000	0.000	0.000	0.0
1485	0.0	0.000	0.000	0.000	0.0
1490	0.0	0.000	0.000	0.000	0.0
1495	0.0	0.000	0.000	0.000	0.0
1500	0.0	0.000	0.000	0.000	0.0
1505	0.0	0.000	0.000	0.000	0.0
1510	0.0	0.000	0.000	0.000	0.0
1515	0.0	0.000	0.000	0.000	0.0
1520	0.0	0.000	0.000	0.000	0.0
1525	0.0	0.000	0.000	0.000	0.0
1530	0.0	0.000	0.000	0.000	0.0
1535	0.0	0.000	0.000	0.000	0.0
1540	0.0	0.000	0.000	0.000	0.0
1545	0.0	0.000	0.000	0.000	0.0
1550	0.0	0.000	0.000	0.000	0.0
1555	0.0	0.000	0.000	0.000	0.0
1560	0.0	0.000	0.000	0.000	0.0
1565	0.0	0.000	0.000	0.000	0.0
1570	0.0	0.000	0.000	0.000	0.0
1575	0.0	0.000	0.000	0.000	0.0
1580	0.0	0.000	0.000	0.000	0.0
1585	0.0	0.000	0.000	0.000	0.0
1590	0.0	0.000	0.000	0.000	0.0
1595	0.0	0.000	0.000	0.000	0.0
1600	0.0	0.000	0.000	0.000	0.0
1605	0.0	0.000	0.000	0.000	0.0
1610	0.0	0.000	0.000	0.000	0.0
1615	0.0	0.000	0.000	0.000	0.0
1620	0.0	0.000	0.000	0.000	0.0
1625	0.0	0.000	0.000	0.000	0.0
1630	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1635	0.0	0.000	0.000	0.000	0.0
1640	0.0	0.000	0.000	0.000	0.0
1645	0.0	0.000	0.000	0.000	0.0
1650	0.0	0.000	0.000	0.000	0.0
1655	0.0	0.000	0.000	0.000	0.0
1660	0.0	0.000	0.000	0.000	0.0
1665	0.0	0.000	0.000	0.000	0.0
1670	0.0	0.000	0.000	0.000	0.0
1675	0.0	0.000	0.000	0.000	0.0
1680	0.0	0.000	0.000	0.000	0.0
1685	0.0	0.000	0.000	0.000	0.0
1690	0.0	0.000	0.000	0.000	0.0
1695	0.0	0.000	0.000	0.000	0.0
1700	0.0	0.000	0.000	0.000	0.0
1705	0.0	0.000	0.000	0.000	0.0
1710	0.0	0.000	0.000	0.000	0.0
1715	0.0	0.000	0.000	0.000	0.0
1720	0.0	0.000	0.000	0.000	0.0
1725	0.0	0.000	0.000	0.000	0.0
1730	0.0	0.000	0.000	0.000	0.0
1735	0.0	0.000	0.000	0.000	0.0
1740	0.0	0.000	0.000	0.000	0.0
1745	0.0	0.000	0.000	0.000	0.0
1750	0.0	0.000	0.000	0.000	0.0
1755	0.0	0.000	0.000	0.000	0.0
1760	0.0	0.000	0.000	0.000	0.0
1765	0.0	0.000	0.000	0.000	0.0
1770	0.0	0.000	0.000	0.000	0.0
1775	0.0	0.000	0.000	0.000	0.0
1780	0.0	0.000	0.000	0.000	0.0
1785	0.0	0.000	0.000	0.000	0.0
1790	0.0	0.000	0.000	0.000	0.0
1795	0.0	0.000	0.000	0.000	0.0
1800	0.0	0.000	0.000	0.000	0.0
1805	0.0	0.000	0.000	0.000	0.0
1810	0.0	0.000	0.000	0.000	0.0
1815	0.0	0.000	0.000	0.000	0.0
1820	0.0	0.000	0.000	0.000	0.0
1825	0.0	0.000	0.000	0.000	0.0
1830	0.0	0.000	0.000	0.000	0.0
1835	0.0	0.000	0.000	0.000	0.0
1840	0.0	0.000	0.000	0.000	0.0
1845	0.0	0.000	0.000	0.000	0.0
1850	0.0	0.000	0.000	0.000	0.0
1855	0.0	0.000	0.000	0.000	0.0
1860	0.0	0.000	0.000	0.000	0.0
1865	0.0	0.000	0.000	0.000	0.0
1870	0.0	0.000	0.000	0.000	0.0
1875	0.0	0.000	0.000	0.000	0.0
1880	0.0	0.000	0.000	0.000	0.0
1885	0.0	0.000	0.000	0.000	0.0
1890	0.0	0.000	0.000	0.000	0.0
1895	0.0	0.000	0.000	0.000	0.0
1900	0.0	0.000	0.000	0.000	0.0
1905	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

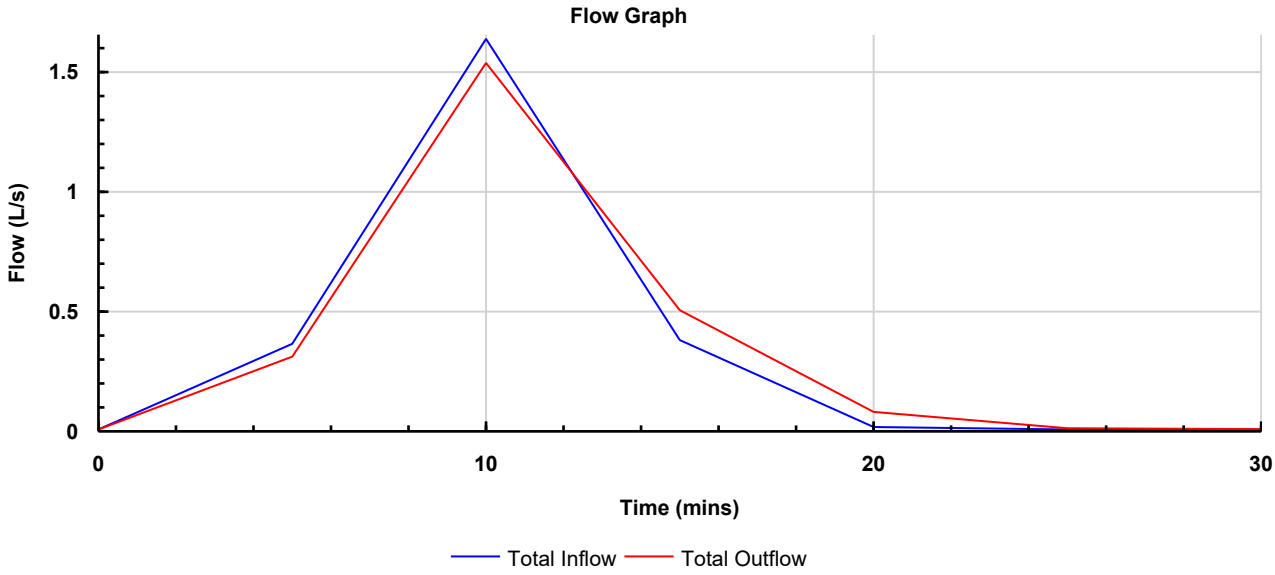
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1910	0.0	0.000	0.000	0.000	0.0
1915	0.0	0.000	0.000	0.000	0.0
1920	0.0	0.000	0.000	0.000	0.0

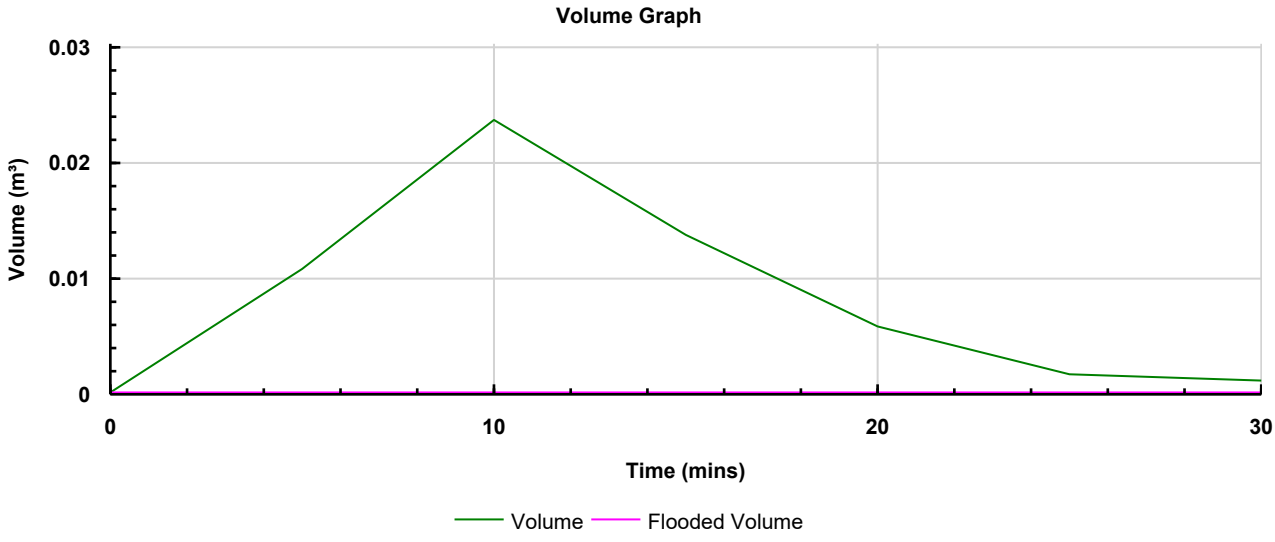
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SIC202 Type : Manhole

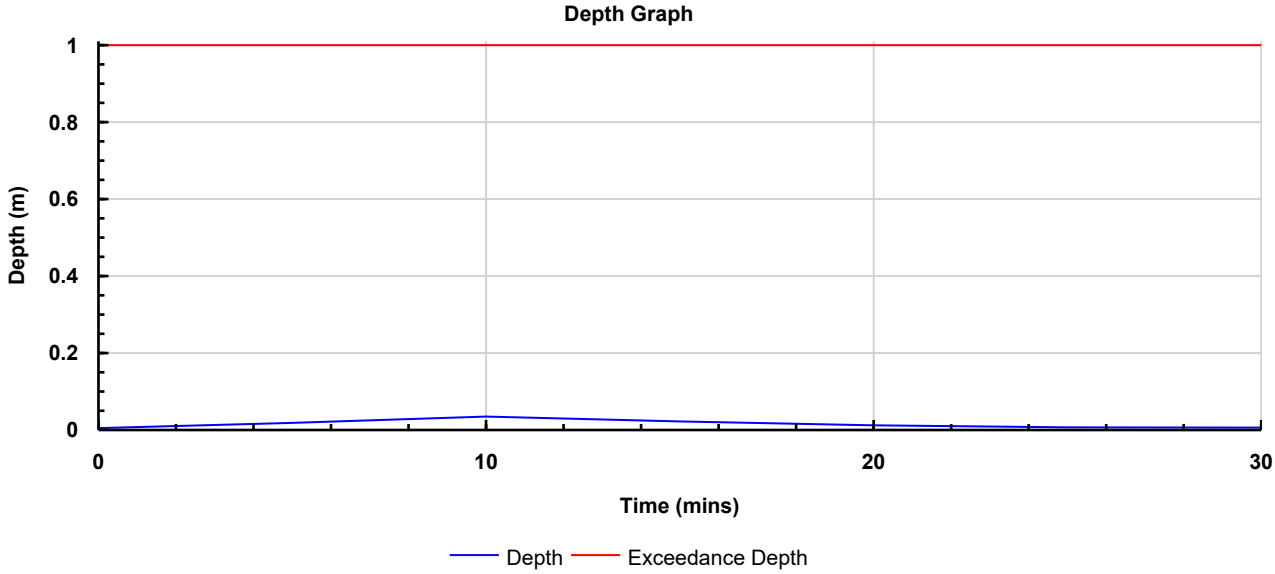
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

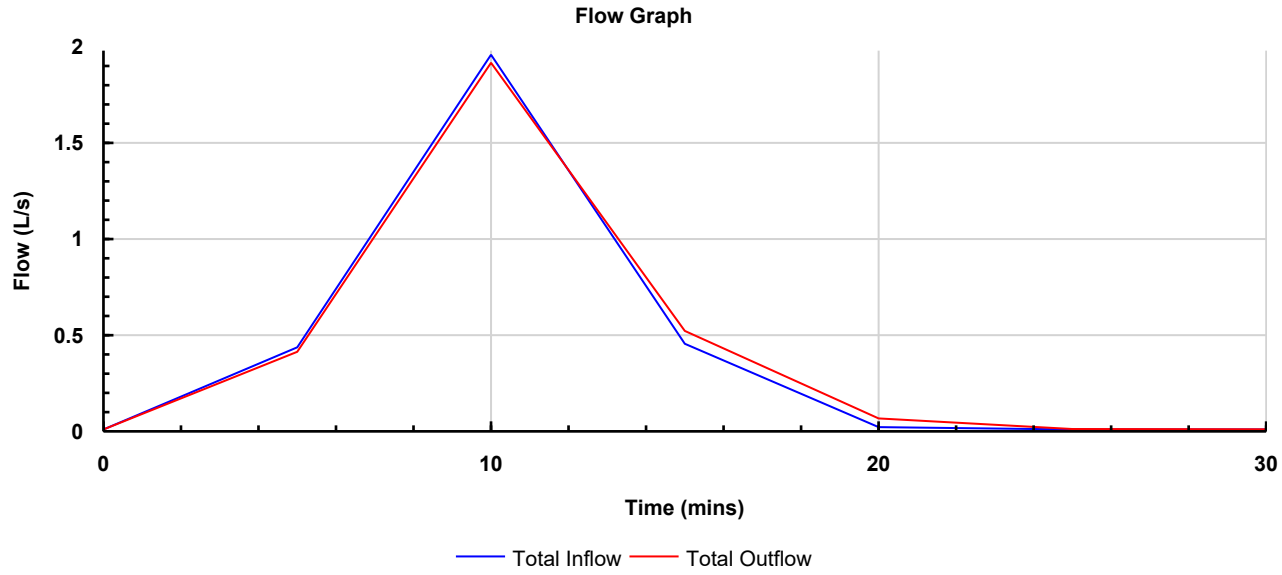
Tables

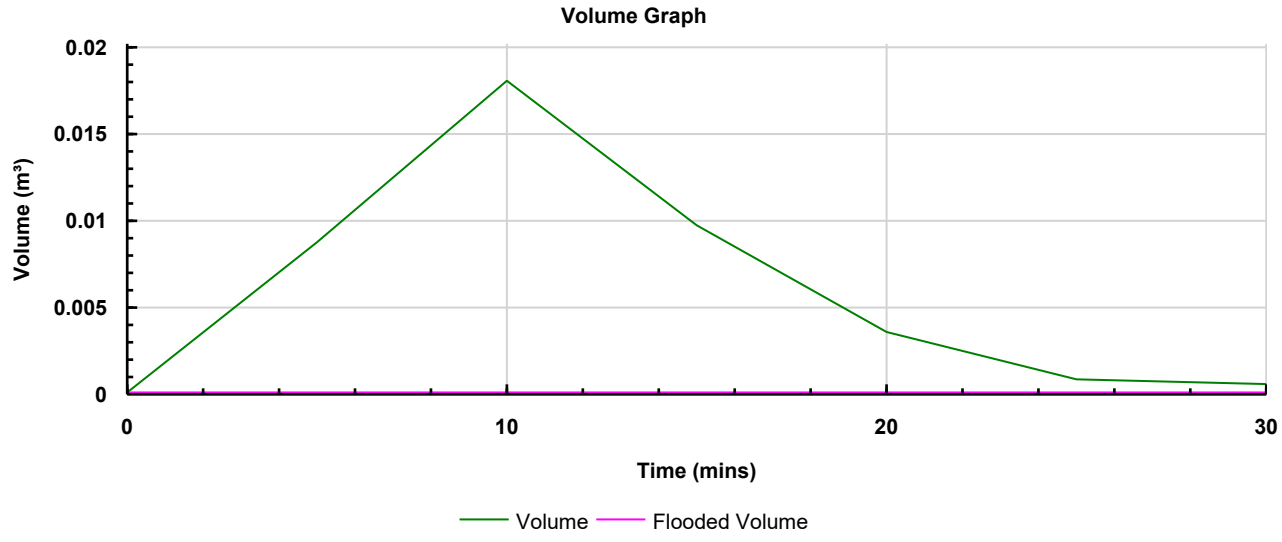
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.4	0.014	0.011	0.000	0.3
10	1.6	0.030	0.024	0.000	1.5
15	0.4	0.017	0.014	0.000	0.5
20	0.0	0.007	0.006	0.000	0.1
25	0.0	0.002	0.002	0.000	0.0
30	0.0	0.001	0.001	0.000	0.0

SIC302 Type : Manhole

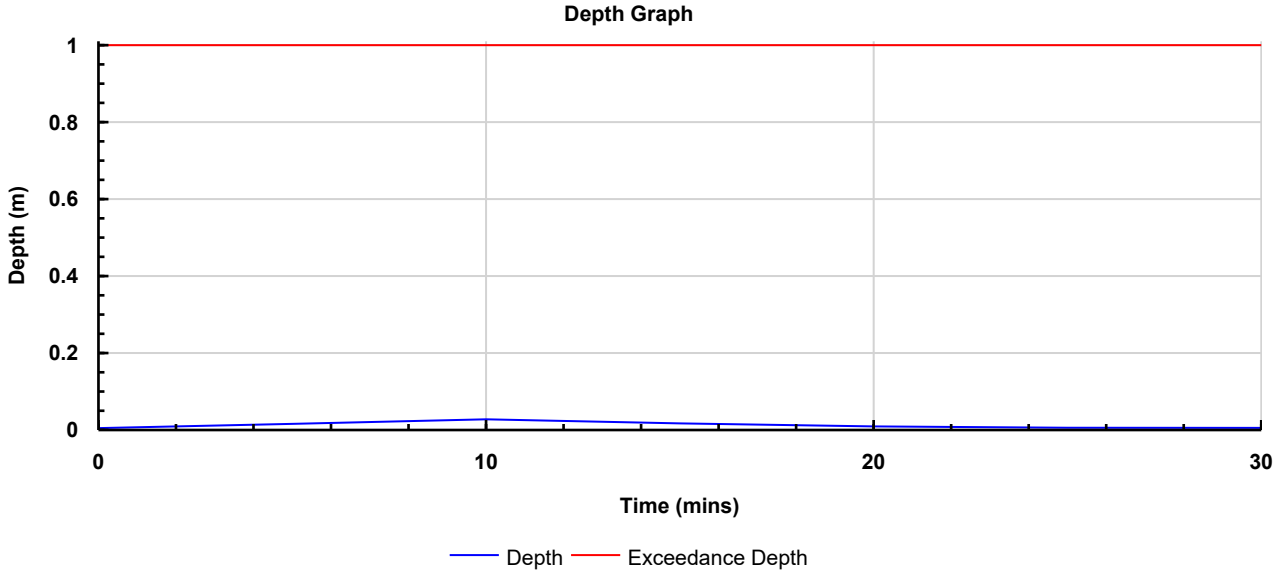
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

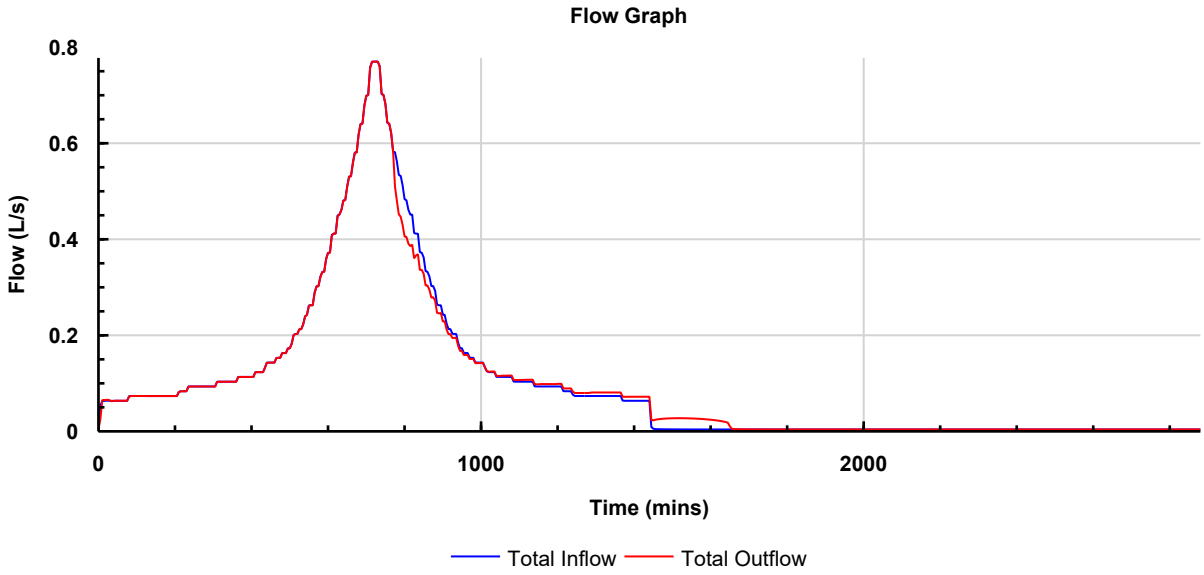
Tables

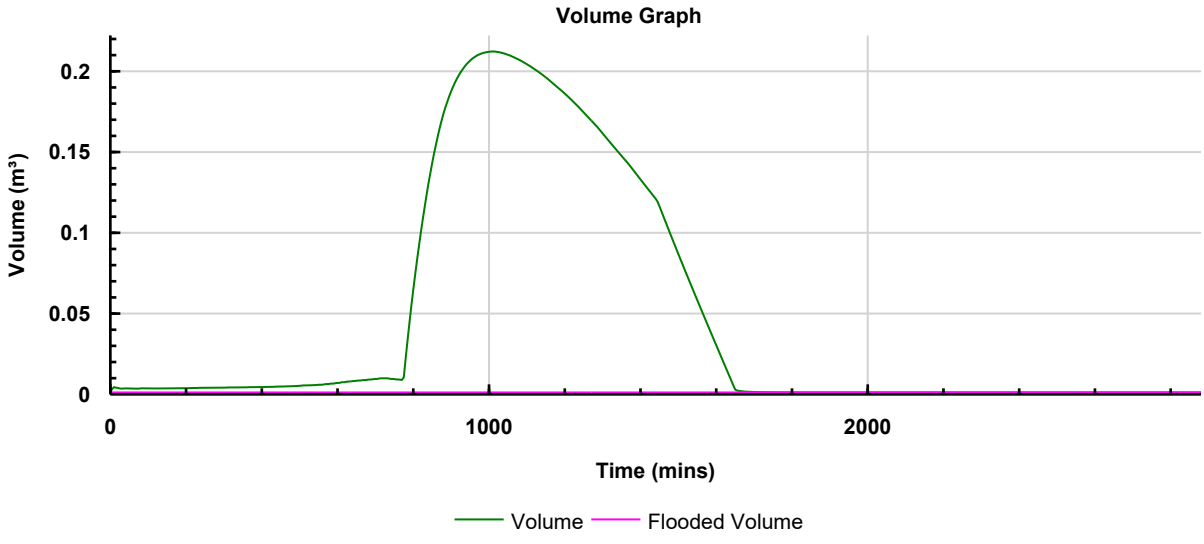
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.4	0.011	0.009	0.000	0.4
10	2.0	0.023	0.018	0.000	1.9
15	0.4	0.012	0.010	0.000	0.5
20	0.0	0.004	0.004	0.000	0.1
25	0.0	0.001	0.001	0.000	0.0
30	0.0	0.001	0.000	0.000	0.0

SMH304 Type : Manhole

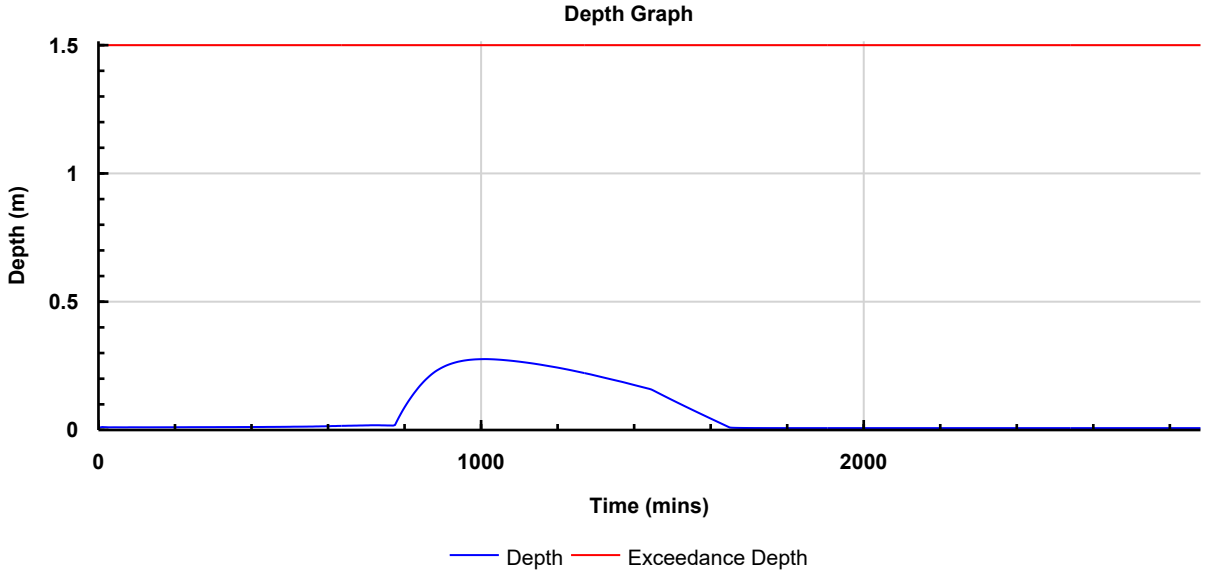
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.1	0.003	0.002	0.000	0.0
10	0.1	0.004	0.003	0.000	0.1
15	0.1	0.004	0.003	0.000	0.1
20	0.1	0.004	0.003	0.000	0.1
25	0.1	0.003	0.002	0.000	0.1
30	0.1	0.003	0.002	0.000	0.1
35	0.1	0.003	0.002	0.000	0.1
40	0.1	0.003	0.003	0.000	0.1
45	0.1	0.003	0.003	0.000	0.1
50	0.1	0.003	0.002	0.000	0.1
55	0.1	0.003	0.002	0.000	0.1
60	0.1	0.003	0.002	0.000	0.1
65	0.1	0.003	0.002	0.000	0.1
70	0.1	0.003	0.002	0.000	0.1
75	0.1	0.003	0.002	0.000	0.1
80	0.1	0.003	0.003	0.000	0.1
85	0.1	0.003	0.003	0.000	0.1
90	0.1	0.003	0.003	0.000	0.1
95	0.1	0.003	0.003	0.000	0.1
100	0.1	0.003	0.003	0.000	0.1
105	0.1	0.003	0.003	0.000	0.1
110	0.1	0.003	0.003	0.000	0.1
115	0.1	0.003	0.002	0.000	0.1
120	0.1	0.003	0.002	0.000	0.1
125	0.1	0.003	0.002	0.000	0.1
130	0.1	0.003	0.002	0.000	0.1
135	0.1	0.003	0.002	0.000	0.1
140	0.1	0.003	0.003	0.000	0.1
145	0.1	0.003	0.003	0.000	0.1
150	0.1	0.003	0.003	0.000	0.1
155	0.1	0.003	0.003	0.000	0.1
160	0.1	0.003	0.003	0.000	0.1
165	0.1	0.003	0.003	0.000	0.1
170	0.1	0.003	0.003	0.000	0.1
175	0.1	0.003	0.003	0.000	0.1
180	0.1	0.003	0.003	0.000	0.1
185	0.1	0.003	0.003	0.000	0.1
190	0.1	0.003	0.003	0.000	0.1
195	0.1	0.003	0.003	0.000	0.1
200	0.1	0.003	0.003	0.000	0.1
205	0.1	0.003	0.003	0.000	0.1
210	0.1	0.003	0.003	0.000	0.1
215	0.1	0.004	0.003	0.000	0.1
220	0.1	0.004	0.003	0.000	0.1
225	0.1	0.004	0.003	0.000	0.1
230	0.1	0.004	0.003	0.000	0.1
235	0.1	0.004	0.003	0.000	0.1
240	0.1	0.004	0.003	0.000	0.1
245	0.1	0.004	0.003	0.000	0.1
250	0.1	0.004	0.003	0.000	0.1
255	0.1	0.004	0.003	0.000	0.1

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
260	0.1	0.004	0.003	0.000	0.1
265	0.1	0.004	0.003	0.000	0.1
270	0.1	0.004	0.003	0.000	0.1
275	0.1	0.004	0.003	0.000	0.1
280	0.1	0.004	0.003	0.000	0.1
285	0.1	0.004	0.003	0.000	0.1
290	0.1	0.004	0.003	0.000	0.1
295	0.1	0.004	0.003	0.000	0.1
300	0.1	0.004	0.003	0.000	0.1
305	0.1	0.004	0.003	0.000	0.1
310	0.1	0.004	0.003	0.000	0.1
315	0.1	0.004	0.003	0.000	0.1
320	0.1	0.004	0.003	0.000	0.1
325	0.1	0.004	0.003	0.000	0.1
330	0.1	0.004	0.003	0.000	0.1
335	0.1	0.004	0.003	0.000	0.1
340	0.1	0.004	0.003	0.000	0.1
345	0.1	0.004	0.003	0.000	0.1
350	0.1	0.004	0.003	0.000	0.1
355	0.1	0.004	0.003	0.000	0.1
360	0.1	0.004	0.003	0.000	0.1
365	0.1	0.004	0.003	0.000	0.1
370	0.1	0.004	0.003	0.000	0.1
375	0.1	0.004	0.003	0.000	0.1
380	0.1	0.004	0.003	0.000	0.1
385	0.1	0.004	0.003	0.000	0.1
390	0.1	0.004	0.003	0.000	0.1
395	0.1	0.004	0.003	0.000	0.1
400	0.1	0.004	0.003	0.000	0.1
405	0.1	0.004	0.003	0.000	0.1
410	0.1	0.004	0.003	0.000	0.1
415	0.1	0.004	0.003	0.000	0.1
420	0.1	0.004	0.003	0.000	0.1
425	0.1	0.004	0.003	0.000	0.1
430	0.1	0.004	0.003	0.000	0.1
435	0.1	0.005	0.004	0.000	0.1
440	0.1	0.005	0.004	0.000	0.1
445	0.1	0.005	0.004	0.000	0.1
450	0.1	0.005	0.004	0.000	0.1
455	0.1	0.005	0.004	0.000	0.1
460	0.1	0.005	0.004	0.000	0.1
465	0.1	0.005	0.004	0.000	0.1
470	0.1	0.005	0.004	0.000	0.1
475	0.1	0.005	0.004	0.000	0.1
480	0.2	0.005	0.004	0.000	0.2
485	0.2	0.005	0.004	0.000	0.2
490	0.2	0.005	0.004	0.000	0.2
495	0.2	0.005	0.004	0.000	0.2
500	0.2	0.005	0.004	0.000	0.2
505	0.2	0.005	0.004	0.000	0.2
510	0.2	0.006	0.004	0.000	0.2
515	0.2	0.006	0.004	0.000	0.2
520	0.2	0.006	0.004	0.000	0.2
525	0.2	0.006	0.004	0.000	0.2
530	0.2	0.006	0.004	0.000	0.2

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
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	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
535	0.2	0.006	0.005	0.000	0.2
540	0.2	0.006	0.005	0.000	0.2
545	0.2	0.006	0.005	0.000	0.2
550	0.3	0.006	0.005	0.000	0.3
555	0.3	0.006	0.005	0.000	0.3
560	0.3	0.006	0.005	0.000	0.3
565	0.3	0.006	0.005	0.000	0.3
570	0.3	0.007	0.005	0.000	0.3
575	0.3	0.007	0.005	0.000	0.3
580	0.3	0.007	0.005	0.000	0.3
585	0.3	0.007	0.006	0.000	0.3
590	0.3	0.007	0.006	0.000	0.3
595	0.4	0.007	0.006	0.000	0.4
600	0.4	0.008	0.006	0.000	0.4
605	0.4	0.008	0.006	0.000	0.4
610	0.4	0.008	0.006	0.000	0.4
615	0.4	0.008	0.006	0.000	0.4
620	0.4	0.008	0.006	0.000	0.4
625	0.4	0.009	0.007	0.000	0.4
630	0.4	0.009	0.007	0.000	0.5
635	0.5	0.009	0.007	0.000	0.5
640	0.5	0.009	0.007	0.000	0.5
645	0.5	0.009	0.007	0.000	0.5
650	0.5	0.009	0.007	0.000	0.5
655	0.5	0.009	0.007	0.000	0.5
660	0.5	0.009	0.007	0.000	0.5
665	0.6	0.010	0.008	0.000	0.6
670	0.6	0.010	0.008	0.000	0.6
675	0.6	0.010	0.008	0.000	0.6
680	0.6	0.010	0.008	0.000	0.6
685	0.6	0.010	0.008	0.000	0.6
690	0.6	0.010	0.008	0.000	0.6
695	0.7	0.011	0.008	0.000	0.7
700	0.7	0.011	0.008	0.000	0.7
705	0.7	0.011	0.008	0.000	0.7
710	0.8	0.011	0.009	0.000	0.8
715	0.8	0.011	0.009	0.000	0.8
720	0.8	0.011	0.009	0.000	0.8
725	0.8	0.011	0.009	0.000	0.8
730	0.8	0.011	0.009	0.000	0.8
735	0.8	0.011	0.009	0.000	0.8
740	0.7	0.011	0.008	0.000	0.7
745	0.7	0.011	0.008	0.000	0.7
750	0.7	0.011	0.008	0.000	0.7
755	0.6	0.010	0.008	0.000	0.6
760	0.6	0.010	0.008	0.000	0.6
765	0.6	0.010	0.008	0.000	0.6
770	0.6	0.010	0.008	0.000	0.6
775	0.6	0.012	0.009	0.000	0.5
780	0.6	0.027	0.021	0.000	0.5
785	0.5	0.042	0.033	0.000	0.5
790	0.5	0.056	0.044	0.000	0.4
795	0.5	0.069	0.054	0.000	0.4
800	0.5	0.082	0.064	0.000	0.4
805	0.5	0.094	0.073	0.000	0.4

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
810	0.5	0.105	0.083	0.000	0.4
815	0.4	0.116	0.091	0.000	0.4
820	0.4	0.127	0.100	0.000	0.4
825	0.4	0.137	0.108	0.000	0.4
830	0.4	0.147	0.115	0.000	0.4
835	0.4	0.156	0.123	0.000	0.4
840	0.4	0.166	0.130	0.000	0.3
845	0.4	0.174	0.136	0.000	0.3
850	0.4	0.182	0.143	0.000	0.3
855	0.3	0.190	0.149	0.000	0.3
860	0.3	0.197	0.154	0.000	0.3
865	0.3	0.204	0.160	0.000	0.3
870	0.3	0.210	0.165	0.000	0.3
875	0.3	0.216	0.169	0.000	0.3
880	0.3	0.221	0.174	0.000	0.3
885	0.3	0.226	0.178	0.000	0.2
890	0.3	0.231	0.181	0.000	0.2
895	0.3	0.235	0.184	0.000	0.2
900	0.2	0.239	0.187	0.000	0.2
905	0.2	0.242	0.190	0.000	0.2
910	0.2	0.246	0.193	0.000	0.2
915	0.2	0.249	0.195	0.000	0.2
920	0.2	0.251	0.197	0.000	0.2
925	0.2	0.254	0.199	0.000	0.2
930	0.2	0.256	0.201	0.000	0.2
935	0.2	0.258	0.203	0.000	0.2
940	0.2	0.260	0.204	0.000	0.2
945	0.2	0.262	0.205	0.000	0.2
950	0.2	0.263	0.207	0.000	0.2
955	0.2	0.264	0.208	0.000	0.2
960	0.2	0.266	0.208	0.000	0.2
965	0.2	0.267	0.209	0.000	0.2
970	0.2	0.267	0.210	0.000	0.1
975	0.1	0.268	0.210	0.000	0.1
980	0.1	0.269	0.211	0.000	0.1
985	0.1	0.269	0.211	0.000	0.1
990	0.1	0.270	0.212	0.000	0.1
995	0.1	0.270	0.212	0.000	0.1
1000	0.1	0.270	0.212	0.000	0.1
1005	0.1	0.270	0.212	0.000	0.1
1010	0.1	0.270	0.212	0.000	0.1
1015	0.1	0.270	0.212	0.000	0.1
1020	0.1	0.270	0.212	0.000	0.1
1025	0.1	0.270	0.212	0.000	0.1
1030	0.1	0.270	0.212	0.000	0.1
1035	0.1	0.269	0.211	0.000	0.1
1040	0.1	0.269	0.211	0.000	0.1
1045	0.1	0.268	0.211	0.000	0.1
1050	0.1	0.268	0.210	0.000	0.1
1055	0.1	0.267	0.210	0.000	0.1
1060	0.1	0.266	0.209	0.000	0.1
1065	0.1	0.266	0.209	0.000	0.1
1070	0.1	0.265	0.208	0.000	0.1
1075	0.1	0.264	0.208	0.000	0.1
1080	0.1	0.264	0.207	0.000	0.1

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1085	0.1	0.263	0.206	0.000	0.1
1090	0.1	0.262	0.206	0.000	0.1
1095	0.1	0.261	0.205	0.000	0.1
1100	0.1	0.260	0.204	0.000	0.1
1105	0.1	0.259	0.204	0.000	0.1
1110	0.1	0.258	0.203	0.000	0.1
1115	0.1	0.257	0.202	0.000	0.1
1120	0.1	0.256	0.201	0.000	0.1
1125	0.1	0.255	0.200	0.000	0.1
1130	0.1	0.254	0.200	0.000	0.1
1135	0.1	0.253	0.199	0.000	0.1
1140	0.1	0.252	0.198	0.000	0.1
1145	0.1	0.251	0.197	0.000	0.1
1150	0.1	0.250	0.196	0.000	0.1
1155	0.1	0.249	0.195	0.000	0.1
1160	0.1	0.247	0.194	0.000	0.1
1165	0.1	0.246	0.193	0.000	0.1
1170	0.1	0.245	0.192	0.000	0.1
1175	0.1	0.243	0.191	0.000	0.1
1180	0.1	0.242	0.190	0.000	0.1
1185	0.1	0.241	0.189	0.000	0.1
1190	0.1	0.240	0.188	0.000	0.1
1195	0.1	0.238	0.187	0.000	0.1
1200	0.1	0.237	0.186	0.000	0.1
1205	0.1	0.236	0.185	0.000	0.1
1210	0.1	0.234	0.184	0.000	0.1
1215	0.1	0.233	0.183	0.000	0.1
1220	0.1	0.231	0.182	0.000	0.1
1225	0.1	0.230	0.180	0.000	0.1
1230	0.1	0.228	0.179	0.000	0.1
1235	0.1	0.227	0.178	0.000	0.1
1240	0.1	0.225	0.177	0.000	0.1
1245	0.1	0.224	0.176	0.000	0.1
1250	0.1	0.222	0.174	0.000	0.1
1255	0.1	0.220	0.173	0.000	0.1
1260	0.1	0.219	0.172	0.000	0.1
1265	0.1	0.217	0.170	0.000	0.1
1270	0.1	0.216	0.169	0.000	0.1
1275	0.1	0.214	0.168	0.000	0.1
1280	0.1	0.212	0.167	0.000	0.1
1285	0.1	0.211	0.165	0.000	0.1
1290	0.1	0.209	0.164	0.000	0.1
1295	0.1	0.207	0.163	0.000	0.1
1300	0.1	0.205	0.161	0.000	0.1
1305	0.1	0.204	0.160	0.000	0.1
1310	0.1	0.202	0.158	0.000	0.1
1315	0.1	0.200	0.157	0.000	0.1
1320	0.1	0.198	0.156	0.000	0.1
1325	0.1	0.196	0.154	0.000	0.1
1330	0.1	0.195	0.153	0.000	0.1
1335	0.1	0.193	0.151	0.000	0.1
1340	0.1	0.191	0.150	0.000	0.1
1345	0.1	0.189	0.149	0.000	0.1
1350	0.1	0.188	0.147	0.000	0.1
1355	0.1	0.186	0.146	0.000	0.1

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1360	0.1	0.184	0.144	0.000	0.1
1365	0.1	0.182	0.143	0.000	0.1
1370	0.1	0.180	0.142	0.000	0.1
1375	0.1	0.179	0.140	0.000	0.1
1380	0.1	0.177	0.139	0.000	0.1
1385	0.1	0.175	0.137	0.000	0.1
1390	0.1	0.173	0.136	0.000	0.1
1395	0.1	0.171	0.134	0.000	0.1
1400	0.1	0.169	0.133	0.000	0.1
1405	0.1	0.167	0.131	0.000	0.1
1410	0.1	0.165	0.130	0.000	0.1
1415	0.1	0.163	0.128	0.000	0.1
1420	0.1	0.161	0.127	0.000	0.1
1425	0.1	0.159	0.125	0.000	0.1
1430	0.1	0.157	0.124	0.000	0.1
1435	0.1	0.156	0.122	0.000	0.1
1440	0.1	0.154	0.121	0.000	0.1
1445	0.0	0.151	0.119	0.000	0.0
1450	0.0	0.148	0.116	0.000	0.0
1455	0.0	0.144	0.113	0.000	0.0
1460	0.0	0.140	0.110	0.000	0.0
1465	0.0	0.136	0.107	0.000	0.0
1470	0.0	0.132	0.104	0.000	0.0
1475	0.0	0.128	0.101	0.000	0.0
1480	0.0	0.125	0.098	0.000	0.0
1485	0.0	0.121	0.095	0.000	0.0
1490	0.0	0.117	0.092	0.000	0.0
1495	0.0	0.113	0.089	0.000	0.0
1500	0.0	0.110	0.086	0.000	0.0
1505	0.0	0.106	0.083	0.000	0.0
1510	0.0	0.102	0.080	0.000	0.0
1515	0.0	0.099	0.077	0.000	0.0
1520	0.0	0.095	0.075	0.000	0.0
1525	0.0	0.091	0.072	0.000	0.0
1530	0.0	0.088	0.069	0.000	0.0
1535	0.0	0.084	0.066	0.000	0.0
1540	0.0	0.080	0.063	0.000	0.0
1545	0.0	0.077	0.060	0.000	0.0
1550	0.0	0.073	0.057	0.000	0.0
1555	0.0	0.069	0.055	0.000	0.0
1560	0.0	0.066	0.052	0.000	0.0
1565	0.0	0.062	0.049	0.000	0.0
1570	0.0	0.059	0.046	0.000	0.0
1575	0.0	0.055	0.043	0.000	0.0
1580	0.0	0.052	0.041	0.000	0.0
1585	0.0	0.048	0.038	0.000	0.0
1590	0.0	0.045	0.035	0.000	0.0
1595	0.0	0.041	0.032	0.000	0.0
1600	0.0	0.037	0.029	0.000	0.0
1605	0.0	0.034	0.027	0.000	0.0
1610	0.0	0.030	0.024	0.000	0.0
1615	0.0	0.027	0.021	0.000	0.0
1620	0.0	0.023	0.018	0.000	0.0
1625	0.0	0.020	0.016	0.000	0.0
1630	0.0	0.016	0.013	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1635	0.0	0.013	0.010	0.000	0.0
1640	0.0	0.009	0.007	0.000	0.0
1645	0.0	0.006	0.004	0.000	0.0
1650	0.0	0.002	0.002	0.000	0.0
1655	0.0	0.002	0.001	0.000	0.0
1660	0.0	0.001	0.001	0.000	0.0
1665	0.0	0.001	0.001	0.000	0.0
1670	0.0	0.001	0.001	0.000	0.0
1675	0.0	0.001	0.001	0.000	0.0
1680	0.0	0.001	0.000	0.000	0.0
1685	0.0	0.001	0.000	0.000	0.0
1690	0.0	0.000	0.000	0.000	0.0
1695	0.0	0.000	0.000	0.000	0.0
1700	0.0	0.000	0.000	0.000	0.0
1705	0.0	0.000	0.000	0.000	0.0
1710	0.0	0.000	0.000	0.000	0.0
1715	0.0	0.000	0.000	0.000	0.0
1720	0.0	0.000	0.000	0.000	0.0
1725	0.0	0.000	0.000	0.000	0.0
1730	0.0	0.000	0.000	0.000	0.0
1735	0.0	0.000	0.000	0.000	0.0
1740	0.0	0.000	0.000	0.000	0.0
1745	0.0	0.000	0.000	0.000	0.0
1750	0.0	0.000	0.000	0.000	0.0
1755	0.0	0.000	0.000	0.000	0.0
1760	0.0	0.000	0.000	0.000	0.0
1765	0.0	0.000	0.000	0.000	0.0
1770	0.0	0.000	0.000	0.000	0.0
1775	0.0	0.000	0.000	0.000	0.0
1780	0.0	0.000	0.000	0.000	0.0
1785	0.0	0.000	0.000	0.000	0.0
1790	0.0	0.000	0.000	0.000	0.0
1795	0.0	0.000	0.000	0.000	0.0
1800	0.0	0.000	0.000	0.000	0.0
1805	0.0	0.000	0.000	0.000	0.0
1810	0.0	0.000	0.000	0.000	0.0
1815	0.0	0.000	0.000	0.000	0.0
1820	0.0	0.000	0.000	0.000	0.0
1825	0.0	0.000	0.000	0.000	0.0
1830	0.0	0.000	0.000	0.000	0.0
1835	0.0	0.000	0.000	0.000	0.0
1840	0.0	0.000	0.000	0.000	0.0
1845	0.0	0.000	0.000	0.000	0.0
1850	0.0	0.000	0.000	0.000	0.0
1855	0.0	0.000	0.000	0.000	0.0
1860	0.0	0.000	0.000	0.000	0.0
1865	0.0	0.000	0.000	0.000	0.0
1870	0.0	0.000	0.000	0.000	0.0
1875	0.0	0.000	0.000	0.000	0.0
1880	0.0	0.000	0.000	0.000	0.0
1885	0.0	0.000	0.000	0.000	0.0
1890	0.0	0.000	0.000	0.000	0.0
1895	0.0	0.000	0.000	0.000	0.0
1900	0.0	0.000	0.000	0.000	0.0
1905	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1910	0.0	0.000	0.000	0.000	0.0
1915	0.0	0.000	0.000	0.000	0.0
1920	0.0	0.000	0.000	0.000	0.0
1925	0.0	0.000	0.000	0.000	0.0
1930	0.0	0.000	0.000	0.000	0.0
1935	0.0	0.000	0.000	0.000	0.0
1940	0.0	0.000	0.000	0.000	0.0
1945	0.0	0.000	0.000	0.000	0.0
1950	0.0	0.000	0.000	0.000	0.0
1955	0.0	0.000	0.000	0.000	0.0
1960	0.0	0.000	0.000	0.000	0.0
1965	0.0	0.000	0.000	0.000	0.0
1970	0.0	0.000	0.000	0.000	0.0
1975	0.0	0.000	0.000	0.000	0.0
1980	0.0	0.000	0.000	0.000	0.0
1985	0.0	0.000	0.000	0.000	0.0
1990	0.0	0.000	0.000	0.000	0.0
1995	0.0	0.000	0.000	0.000	0.0
2000	0.0	0.000	0.000	0.000	0.0
2005	0.0	0.000	0.000	0.000	0.0
2010	0.0	0.000	0.000	0.000	0.0
2015	0.0	0.000	0.000	0.000	0.0
2020	0.0	0.000	0.000	0.000	0.0
2025	0.0	0.000	0.000	0.000	0.0
2030	0.0	0.000	0.000	0.000	0.0
2035	0.0	0.000	0.000	0.000	0.0
2040	0.0	0.000	0.000	0.000	0.0
2045	0.0	0.000	0.000	0.000	0.0
2050	0.0	0.000	0.000	0.000	0.0
2055	0.0	0.000	0.000	0.000	0.0
2060	0.0	0.000	0.000	0.000	0.0
2065	0.0	0.000	0.000	0.000	0.0
2070	0.0	0.000	0.000	0.000	0.0
2075	0.0	0.000	0.000	0.000	0.0
2080	0.0	0.000	0.000	0.000	0.0
2085	0.0	0.000	0.000	0.000	0.0
2090	0.0	0.000	0.000	0.000	0.0
2095	0.0	0.000	0.000	0.000	0.0
2100	0.0	0.000	0.000	0.000	0.0
2105	0.0	0.000	0.000	0.000	0.0
2110	0.0	0.000	0.000	0.000	0.0
2115	0.0	0.000	0.000	0.000	0.0
2120	0.0	0.000	0.000	0.000	0.0
2125	0.0	0.000	0.000	0.000	0.0
2130	0.0	0.000	0.000	0.000	0.0
2135	0.0	0.000	0.000	0.000	0.0
2140	0.0	0.000	0.000	0.000	0.0
2145	0.0	0.000	0.000	0.000	0.0
2150	0.0	0.000	0.000	0.000	0.0
2155	0.0	0.000	0.000	0.000	0.0
2160	0.0	0.000	0.000	0.000	0.0
2165	0.0	0.000	0.000	0.000	0.0
2170	0.0	0.000	0.000	0.000	0.0
2175	0.0	0.000	0.000	0.000	0.0
2180	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2185	0.0	0.000	0.000	0.000	0.0
2190	0.0	0.000	0.000	0.000	0.0
2195	0.0	0.000	0.000	0.000	0.0
2200	0.0	0.000	0.000	0.000	0.0
2205	0.0	0.000	0.000	0.000	0.0
2210	0.0	0.000	0.000	0.000	0.0
2215	0.0	0.000	0.000	0.000	0.0
2220	0.0	0.000	0.000	0.000	0.0
2225	0.0	0.000	0.000	0.000	0.0
2230	0.0	0.000	0.000	0.000	0.0
2235	0.0	0.000	0.000	0.000	0.0
2240	0.0	0.000	0.000	0.000	0.0
2245	0.0	0.000	0.000	0.000	0.0
2250	0.0	0.000	0.000	0.000	0.0
2255	0.0	0.000	0.000	0.000	0.0
2260	0.0	0.000	0.000	0.000	0.0
2265	0.0	0.000	0.000	0.000	0.0
2270	0.0	0.000	0.000	0.000	0.0
2275	0.0	0.000	0.000	0.000	0.0
2280	0.0	0.000	0.000	0.000	0.0
2285	0.0	0.000	0.000	0.000	0.0
2290	0.0	0.000	0.000	0.000	0.0
2295	0.0	0.000	0.000	0.000	0.0
2300	0.0	0.000	0.000	0.000	0.0
2305	0.0	0.000	0.000	0.000	0.0
2310	0.0	0.000	0.000	0.000	0.0
2315	0.0	0.000	0.000	0.000	0.0
2320	0.0	0.000	0.000	0.000	0.0
2325	0.0	0.000	0.000	0.000	0.0
2330	0.0	0.000	0.000	0.000	0.0
2335	0.0	0.000	0.000	0.000	0.0
2340	0.0	0.000	0.000	0.000	0.0
2345	0.0	0.000	0.000	0.000	0.0
2350	0.0	0.000	0.000	0.000	0.0
2355	0.0	0.000	0.000	0.000	0.0
2360	0.0	0.000	0.000	0.000	0.0
2365	0.0	0.000	0.000	0.000	0.0
2370	0.0	0.000	0.000	0.000	0.0
2375	0.0	0.000	0.000	0.000	0.0
2380	0.0	0.000	0.000	0.000	0.0
2385	0.0	0.000	0.000	0.000	0.0
2390	0.0	0.000	0.000	0.000	0.0
2395	0.0	0.000	0.000	0.000	0.0
2400	0.0	0.000	0.000	0.000	0.0
2405	0.0	0.000	0.000	0.000	0.0
2410	0.0	0.000	0.000	0.000	0.0
2415	0.0	0.000	0.000	0.000	0.0
2420	0.0	0.000	0.000	0.000	0.0
2425	0.0	0.000	0.000	0.000	0.0
2430	0.0	0.000	0.000	0.000	0.0
2435	0.0	0.000	0.000	0.000	0.0
2440	0.0	0.000	0.000	0.000	0.0
2445	0.0	0.000	0.000	0.000	0.0
2450	0.0	0.000	0.000	0.000	0.0
2455	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2460	0.0	0.000	0.000	0.000	0.0
2465	0.0	0.000	0.000	0.000	0.0
2470	0.0	0.000	0.000	0.000	0.0
2475	0.0	0.000	0.000	0.000	0.0
2480	0.0	0.000	0.000	0.000	0.0
2485	0.0	0.000	0.000	0.000	0.0
2490	0.0	0.000	0.000	0.000	0.0
2495	0.0	0.000	0.000	0.000	0.0
2500	0.0	0.000	0.000	0.000	0.0
2505	0.0	0.000	0.000	0.000	0.0
2510	0.0	0.000	0.000	0.000	0.0
2515	0.0	0.000	0.000	0.000	0.0
2520	0.0	0.000	0.000	0.000	0.0
2525	0.0	0.000	0.000	0.000	0.0
2530	0.0	0.000	0.000	0.000	0.0
2535	0.0	0.000	0.000	0.000	0.0
2540	0.0	0.000	0.000	0.000	0.0
2545	0.0	0.000	0.000	0.000	0.0
2550	0.0	0.000	0.000	0.000	0.0
2555	0.0	0.000	0.000	0.000	0.0
2560	0.0	0.000	0.000	0.000	0.0
2565	0.0	0.000	0.000	0.000	0.0
2570	0.0	0.000	0.000	0.000	0.0
2575	0.0	0.000	0.000	0.000	0.0
2580	0.0	0.000	0.000	0.000	0.0
2585	0.0	0.000	0.000	0.000	0.0
2590	0.0	0.000	0.000	0.000	0.0
2595	0.0	0.000	0.000	0.000	0.0
2600	0.0	0.000	0.000	0.000	0.0
2605	0.0	0.000	0.000	0.000	0.0
2610	0.0	0.000	0.000	0.000	0.0
2615	0.0	0.000	0.000	0.000	0.0
2620	0.0	0.000	0.000	0.000	0.0
2625	0.0	0.000	0.000	0.000	0.0
2630	0.0	0.000	0.000	0.000	0.0
2635	0.0	0.000	0.000	0.000	0.0
2640	0.0	0.000	0.000	0.000	0.0
2645	0.0	0.000	0.000	0.000	0.0
2650	0.0	0.000	0.000	0.000	0.0
2655	0.0	0.000	0.000	0.000	0.0
2660	0.0	0.000	0.000	0.000	0.0
2665	0.0	0.000	0.000	0.000	0.0
2670	0.0	0.000	0.000	0.000	0.0
2675	0.0	0.000	0.000	0.000	0.0
2680	0.0	0.000	0.000	0.000	0.0
2685	0.0	0.000	0.000	0.000	0.0
2690	0.0	0.000	0.000	0.000	0.0
2695	0.0	0.000	0.000	0.000	0.0
2700	0.0	0.000	0.000	0.000	0.0
2705	0.0	0.000	0.000	0.000	0.0
2710	0.0	0.000	0.000	0.000	0.0
2715	0.0	0.000	0.000	0.000	0.0
2720	0.0	0.000	0.000	0.000	0.0
2725	0.0	0.000	0.000	0.000	0.0
2730	0.0	0.000	0.000	0.000	0.0

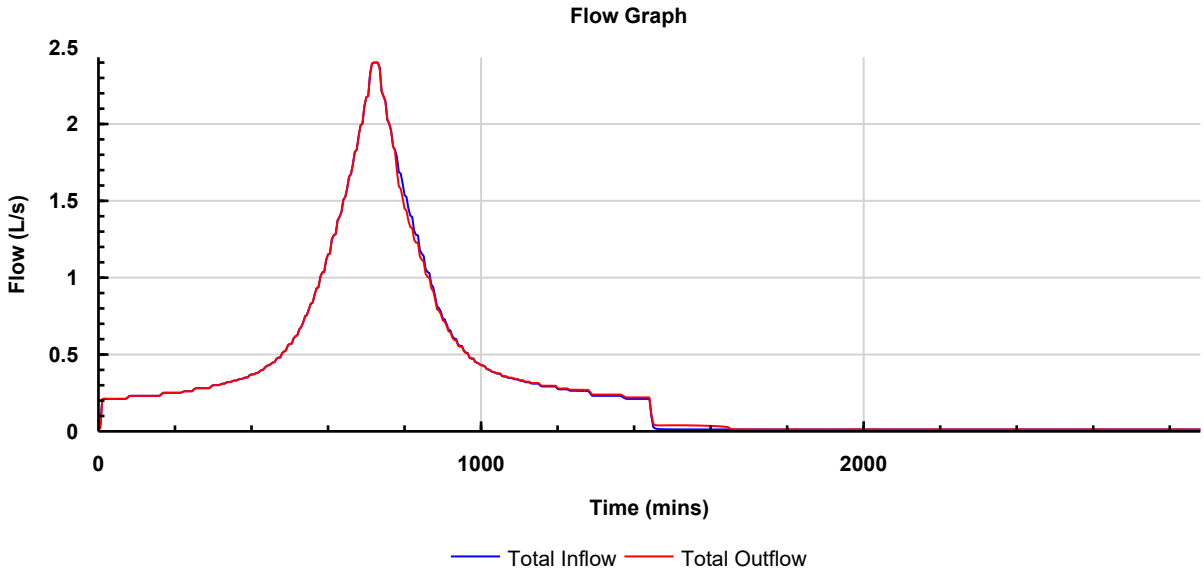
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

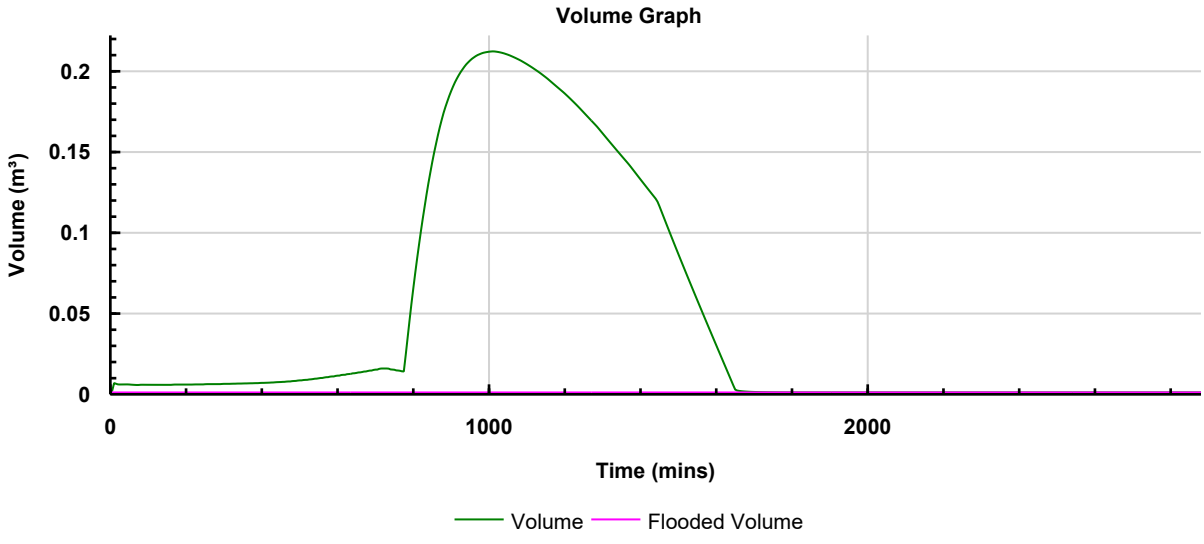
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2735	0.0	0.000	0.000	0.000	0.0
2740	0.0	0.000	0.000	0.000	0.0
2745	0.0	0.000	0.000	0.000	0.0
2750	0.0	0.000	0.000	0.000	0.0
2755	0.0	0.000	0.000	0.000	0.0
2760	0.0	0.000	0.000	0.000	0.0
2765	0.0	0.000	0.000	0.000	0.0
2770	0.0	0.000	0.000	0.000	0.0
2775	0.0	0.000	0.000	0.000	0.0
2780	0.0	0.000	0.000	0.000	0.0
2785	0.0	0.000	0.000	0.000	0.0
2790	0.0	0.000	0.000	0.000	0.0
2795	0.0	0.000	0.000	0.000	0.0
2800	0.0	0.000	0.000	0.000	0.0
2805	0.0	0.000	0.000	0.000	0.0
2810	0.0	0.000	0.000	0.000	0.0
2815	0.0	0.000	0.000	0.000	0.0
2820	0.0	0.000	0.000	0.000	0.0
2825	0.0	0.000	0.000	0.000	0.0
2830	0.0	0.000	0.000	0.000	0.0
2835	0.0	0.000	0.000	0.000	0.0
2840	0.0	0.000	0.000	0.000	0.0
2845	0.0	0.000	0.000	0.000	0.0
2850	0.0	0.000	0.000	0.000	0.0
2855	0.0	0.000	0.000	0.000	0.0
2860	0.0	0.000	0.000	0.000	0.0
2865	0.0	0.000	0.000	0.000	0.0
2870	0.0	0.000	0.000	0.000	0.0
2875	0.0	0.000	0.000	0.000	0.0
2880	0.0	0.000	0.000	0.000	0.0

SMH305 Type : Manhole

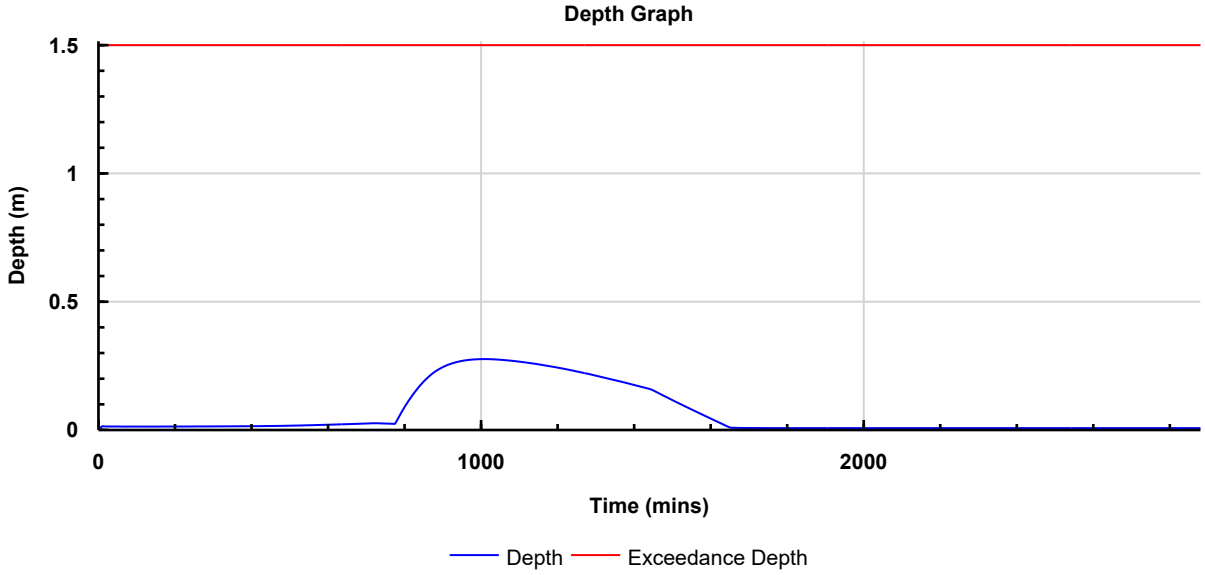
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.0	0.001	0.001	0.000	0.0
10	0.2	0.007	0.006	0.000	0.2
15	0.2	0.007	0.005	0.000	0.2
20	0.2	0.006	0.005	0.000	0.2
25	0.2	0.006	0.005	0.000	0.2
30	0.2	0.006	0.005	0.000	0.2
35	0.2	0.006	0.005	0.000	0.2
40	0.2	0.006	0.005	0.000	0.2
45	0.2	0.006	0.005	0.000	0.2
50	0.2	0.006	0.005	0.000	0.2
55	0.2	0.006	0.005	0.000	0.2
60	0.2	0.006	0.005	0.000	0.2
65	0.2	0.006	0.005	0.000	0.2
70	0.2	0.006	0.005	0.000	0.2
75	0.2	0.006	0.005	0.000	0.2
80	0.2	0.006	0.005	0.000	0.2
85	0.2	0.006	0.005	0.000	0.2
90	0.2	0.006	0.005	0.000	0.2
95	0.2	0.006	0.005	0.000	0.2
100	0.2	0.006	0.005	0.000	0.2
105	0.2	0.006	0.005	0.000	0.2
110	0.2	0.006	0.005	0.000	0.2
115	0.2	0.006	0.005	0.000	0.2
120	0.2	0.006	0.005	0.000	0.2
125	0.2	0.006	0.005	0.000	0.2
130	0.2	0.006	0.005	0.000	0.2
135	0.2	0.006	0.005	0.000	0.2
140	0.2	0.006	0.005	0.000	0.2
145	0.2	0.006	0.005	0.000	0.2
150	0.2	0.006	0.005	0.000	0.2
155	0.2	0.006	0.005	0.000	0.2
160	0.2	0.006	0.005	0.000	0.2
165	0.2	0.006	0.005	0.000	0.2
170	0.2	0.006	0.005	0.000	0.2
175	0.2	0.006	0.005	0.000	0.2
180	0.2	0.006	0.005	0.000	0.2
185	0.2	0.006	0.005	0.000	0.2
190	0.2	0.006	0.005	0.000	0.2
195	0.2	0.006	0.005	0.000	0.2
200	0.2	0.006	0.005	0.000	0.2
205	0.2	0.006	0.005	0.000	0.2
210	0.2	0.006	0.005	0.000	0.2
215	0.2	0.006	0.005	0.000	0.2
220	0.2	0.006	0.005	0.000	0.2
225	0.2	0.006	0.005	0.000	0.2
230	0.3	0.006	0.005	0.000	0.2
235	0.3	0.006	0.005	0.000	0.2
240	0.3	0.006	0.005	0.000	0.2
245	0.3	0.006	0.005	0.000	0.2
250	0.3	0.007	0.005	0.000	0.3
255	0.3	0.007	0.005	0.000	0.3

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
260	0.3	0.007	0.005	0.000	0.3
265	0.3	0.007	0.005	0.000	0.3
270	0.3	0.007	0.005	0.000	0.3
275	0.3	0.007	0.005	0.000	0.3
280	0.3	0.007	0.005	0.000	0.3
285	0.3	0.007	0.005	0.000	0.3
290	0.3	0.007	0.005	0.000	0.3
295	0.3	0.007	0.005	0.000	0.3
300	0.3	0.007	0.005	0.000	0.3
305	0.3	0.007	0.005	0.000	0.3
310	0.3	0.007	0.005	0.000	0.3
315	0.3	0.007	0.005	0.000	0.3
320	0.3	0.007	0.005	0.000	0.3
325	0.3	0.007	0.005	0.000	0.3
330	0.3	0.007	0.005	0.000	0.3
335	0.3	0.007	0.006	0.000	0.3
340	0.3	0.007	0.006	0.000	0.3
345	0.3	0.007	0.006	0.000	0.3
350	0.3	0.007	0.006	0.000	0.3
355	0.3	0.007	0.006	0.000	0.3
360	0.3	0.007	0.006	0.000	0.3
365	0.3	0.007	0.006	0.000	0.3
370	0.3	0.007	0.006	0.000	0.3
375	0.3	0.007	0.006	0.000	0.3
380	0.3	0.007	0.006	0.000	0.3
385	0.3	0.007	0.006	0.000	0.3
390	0.3	0.007	0.006	0.000	0.3
395	0.4	0.008	0.006	0.000	0.4
400	0.4	0.008	0.006	0.000	0.4
405	0.4	0.008	0.006	0.000	0.4
410	0.4	0.008	0.006	0.000	0.4
415	0.4	0.008	0.006	0.000	0.4
420	0.4	0.008	0.006	0.000	0.4
425	0.4	0.008	0.006	0.000	0.4
430	0.4	0.008	0.006	0.000	0.4
435	0.4	0.008	0.006	0.000	0.4
440	0.4	0.008	0.006	0.000	0.4
445	0.4	0.008	0.006	0.000	0.4
450	0.4	0.008	0.006	0.000	0.4
455	0.4	0.008	0.007	0.000	0.4
460	0.4	0.008	0.007	0.000	0.4
465	0.5	0.009	0.007	0.000	0.5
470	0.5	0.009	0.007	0.000	0.5
475	0.5	0.009	0.007	0.000	0.5
480	0.5	0.009	0.007	0.000	0.5
485	0.5	0.009	0.007	0.000	0.5
490	0.5	0.009	0.007	0.000	0.5
495	0.6	0.009	0.007	0.000	0.5
500	0.6	0.010	0.008	0.000	0.6
505	0.6	0.010	0.008	0.000	0.6
510	0.6	0.010	0.008	0.000	0.6
515	0.6	0.010	0.008	0.000	0.6
520	0.6	0.010	0.008	0.000	0.6
525	0.7	0.010	0.008	0.000	0.7
530	0.7	0.010	0.008	0.000	0.7

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
535	0.7	0.011	0.008	0.000	0.7
540	0.7	0.011	0.009	0.000	0.7
545	0.7	0.011	0.009	0.000	0.7
550	0.8	0.011	0.009	0.000	0.8
555	0.8	0.011	0.009	0.000	0.8
560	0.8	0.011	0.009	0.000	0.8
565	0.9	0.012	0.009	0.000	0.9
570	0.9	0.012	0.009	0.000	0.9
575	0.9	0.012	0.010	0.000	0.9
580	1.0	0.013	0.010	0.000	1.0
585	1.0	0.013	0.010	0.000	1.0
590	1.0	0.013	0.010	0.000	1.0
595	1.1	0.013	0.010	0.000	1.1
600	1.1	0.013	0.010	0.000	1.1
605	1.1	0.013	0.010	0.000	1.2
610	1.2	0.014	0.011	0.000	1.2
615	1.3	0.014	0.011	0.000	1.3
620	1.3	0.014	0.011	0.000	1.3
625	1.4	0.014	0.011	0.000	1.4
630	1.4	0.015	0.011	0.000	1.4
635	1.4	0.015	0.012	0.000	1.4
640	1.5	0.015	0.012	0.000	1.5
645	1.5	0.015	0.012	0.000	1.5
650	1.6	0.015	0.012	0.000	1.6
655	1.7	0.016	0.012	0.000	1.7
660	1.7	0.016	0.012	0.000	1.7
665	1.7	0.016	0.013	0.000	1.7
670	1.8	0.017	0.013	0.000	1.8
675	1.8	0.017	0.013	0.000	1.8
680	1.9	0.017	0.013	0.000	1.9
685	2.0	0.017	0.014	0.000	2.0
690	2.0	0.017	0.014	0.000	2.0
695	2.1	0.018	0.014	0.000	2.1
700	2.2	0.018	0.014	0.000	2.2
705	2.2	0.018	0.014	0.000	2.2
710	2.3	0.019	0.015	0.000	2.3
715	2.4	0.019	0.015	0.000	2.4
720	2.4	0.019	0.015	0.000	2.4
725	2.4	0.019	0.015	0.000	2.4
730	2.4	0.019	0.015	0.000	2.4
735	2.4	0.019	0.015	0.000	2.4
740	2.2	0.018	0.014	0.000	2.2
745	2.2	0.018	0.014	0.000	2.2
750	2.1	0.018	0.014	0.000	2.1
755	2.0	0.017	0.014	0.000	2.0
760	2.0	0.017	0.014	0.000	2.0
765	2.0	0.017	0.013	0.000	2.0
770	1.9	0.017	0.013	0.000	1.9
775	1.8	0.017	0.013	0.000	1.8
780	1.8	0.030	0.023	0.000	1.7
785	1.7	0.043	0.034	0.000	1.6
790	1.7	0.057	0.045	0.000	1.6
795	1.6	0.070	0.055	0.000	1.5
800	1.5	0.082	0.065	0.000	1.4
805	1.5	0.094	0.074	0.000	1.4

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
810	1.4	0.106	0.083	0.000	1.4
815	1.4	0.117	0.092	0.000	1.3
820	1.4	0.128	0.100	0.000	1.3
825	1.3	0.138	0.108	0.000	1.2
830	1.3	0.147	0.116	0.000	1.2
835	1.3	0.157	0.123	0.000	1.2
840	1.2	0.166	0.130	0.000	1.1
845	1.1	0.174	0.137	0.000	1.1
850	1.1	0.183	0.143	0.000	1.1
855	1.1	0.190	0.149	0.000	1.0
860	1.0	0.197	0.155	0.000	1.0
865	1.0	0.204	0.160	0.000	1.0
870	0.9	0.210	0.165	0.000	0.9
875	0.9	0.216	0.170	0.000	0.9
880	0.9	0.222	0.174	0.000	0.8
885	0.8	0.226	0.178	0.000	0.8
890	0.8	0.231	0.181	0.000	0.8
895	0.8	0.235	0.185	0.000	0.8
900	0.7	0.239	0.188	0.000	0.7
905	0.7	0.243	0.190	0.000	0.7
910	0.7	0.246	0.193	0.000	0.7
915	0.7	0.249	0.195	0.000	0.6
920	0.6	0.251	0.197	0.000	0.6
925	0.6	0.254	0.199	0.000	0.6
930	0.6	0.256	0.201	0.000	0.6
935	0.6	0.258	0.203	0.000	0.6
940	0.6	0.260	0.204	0.000	0.5
945	0.5	0.262	0.205	0.000	0.5
950	0.5	0.263	0.207	0.000	0.5
955	0.5	0.265	0.208	0.000	0.5
960	0.5	0.266	0.209	0.000	0.5
965	0.5	0.267	0.209	0.000	0.5
970	0.5	0.268	0.210	0.000	0.5
975	0.5	0.268	0.211	0.000	0.5
980	0.5	0.269	0.211	0.000	0.5
985	0.4	0.269	0.211	0.000	0.4
990	0.4	0.270	0.212	0.000	0.4
995	0.4	0.270	0.212	0.000	0.4
1000	0.4	0.270	0.212	0.000	0.4
1005	0.4	0.270	0.212	0.000	0.4
1010	0.4	0.270	0.212	0.000	0.4
1015	0.4	0.270	0.212	0.000	0.4
1020	0.4	0.270	0.212	0.000	0.4
1025	0.4	0.270	0.212	0.000	0.4
1030	0.4	0.270	0.212	0.000	0.4
1035	0.4	0.269	0.211	0.000	0.4
1040	0.4	0.269	0.211	0.000	0.4
1045	0.4	0.268	0.211	0.000	0.4
1050	0.4	0.268	0.210	0.000	0.4
1055	0.3	0.267	0.210	0.000	0.4
1060	0.3	0.267	0.209	0.000	0.3
1065	0.3	0.266	0.209	0.000	0.3
1070	0.3	0.265	0.208	0.000	0.3
1075	0.3	0.264	0.208	0.000	0.3
1080	0.3	0.264	0.207	0.000	0.3

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1085	0.3	0.263	0.206	0.000	0.3
1090	0.3	0.262	0.206	0.000	0.3
1095	0.3	0.261	0.205	0.000	0.3
1100	0.3	0.260	0.204	0.000	0.3
1105	0.3	0.259	0.204	0.000	0.3
1110	0.3	0.258	0.203	0.000	0.3
1115	0.3	0.257	0.202	0.000	0.3
1120	0.3	0.256	0.201	0.000	0.3
1125	0.3	0.255	0.200	0.000	0.3
1130	0.3	0.254	0.200	0.000	0.3
1135	0.3	0.253	0.199	0.000	0.3
1140	0.3	0.252	0.198	0.000	0.3
1145	0.3	0.251	0.197	0.000	0.3
1150	0.3	0.250	0.196	0.000	0.3
1155	0.3	0.249	0.195	0.000	0.3
1160	0.3	0.247	0.194	0.000	0.3
1165	0.3	0.246	0.193	0.000	0.3
1170	0.3	0.245	0.192	0.000	0.3
1175	0.3	0.243	0.191	0.000	0.3
1180	0.3	0.242	0.190	0.000	0.3
1185	0.3	0.241	0.189	0.000	0.3
1190	0.3	0.240	0.188	0.000	0.3
1195	0.3	0.238	0.187	0.000	0.3
1200	0.3	0.237	0.186	0.000	0.3
1205	0.3	0.236	0.185	0.000	0.3
1210	0.3	0.234	0.184	0.000	0.3
1215	0.3	0.233	0.183	0.000	0.3
1220	0.3	0.231	0.182	0.000	0.3
1225	0.3	0.230	0.180	0.000	0.3
1230	0.3	0.228	0.179	0.000	0.3
1235	0.3	0.227	0.178	0.000	0.3
1240	0.3	0.225	0.177	0.000	0.3
1245	0.3	0.224	0.176	0.000	0.3
1250	0.3	0.222	0.174	0.000	0.3
1255	0.3	0.220	0.173	0.000	0.3
1260	0.3	0.219	0.172	0.000	0.3
1265	0.3	0.217	0.170	0.000	0.3
1270	0.3	0.216	0.169	0.000	0.3
1275	0.3	0.214	0.168	0.000	0.3
1280	0.3	0.212	0.167	0.000	0.3
1285	0.2	0.211	0.165	0.000	0.2
1290	0.2	0.209	0.164	0.000	0.2
1295	0.2	0.207	0.163	0.000	0.2
1300	0.2	0.205	0.161	0.000	0.2
1305	0.2	0.204	0.160	0.000	0.2
1310	0.2	0.202	0.158	0.000	0.2
1315	0.2	0.200	0.157	0.000	0.2
1320	0.2	0.198	0.156	0.000	0.2
1325	0.2	0.196	0.154	0.000	0.2
1330	0.2	0.195	0.153	0.000	0.2
1335	0.2	0.193	0.151	0.000	0.2
1340	0.2	0.191	0.150	0.000	0.2
1345	0.2	0.189	0.149	0.000	0.2
1350	0.2	0.188	0.147	0.000	0.2
1355	0.2	0.186	0.146	0.000	0.2

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1360	0.2	0.184	0.144	0.000	0.2
1365	0.2	0.182	0.143	0.000	0.2
1370	0.2	0.181	0.142	0.000	0.2
1375	0.2	0.179	0.140	0.000	0.2
1380	0.2	0.177	0.139	0.000	0.2
1385	0.2	0.175	0.137	0.000	0.2
1390	0.2	0.173	0.136	0.000	0.2
1395	0.2	0.171	0.134	0.000	0.2
1400	0.2	0.169	0.133	0.000	0.2
1405	0.2	0.167	0.131	0.000	0.2
1410	0.2	0.165	0.130	0.000	0.2
1415	0.2	0.163	0.128	0.000	0.2
1420	0.2	0.161	0.127	0.000	0.2
1425	0.2	0.159	0.125	0.000	0.2
1430	0.2	0.157	0.124	0.000	0.2
1435	0.2	0.156	0.122	0.000	0.2
1440	0.2	0.154	0.121	0.000	0.2
1445	0.1	0.151	0.119	0.000	0.1
1450	0.0	0.148	0.116	0.000	0.0
1455	0.0	0.144	0.113	0.000	0.0
1460	0.0	0.140	0.110	0.000	0.0
1465	0.0	0.136	0.107	0.000	0.0
1470	0.0	0.132	0.104	0.000	0.0
1475	0.0	0.128	0.101	0.000	0.0
1480	0.0	0.125	0.098	0.000	0.0
1485	0.0	0.121	0.095	0.000	0.0
1490	0.0	0.117	0.092	0.000	0.0
1495	0.0	0.113	0.089	0.000	0.0
1500	0.0	0.110	0.086	0.000	0.0
1505	0.0	0.106	0.083	0.000	0.0
1510	0.0	0.102	0.080	0.000	0.0
1515	0.0	0.099	0.077	0.000	0.0
1520	0.0	0.095	0.075	0.000	0.0
1525	0.0	0.091	0.072	0.000	0.0
1530	0.0	0.088	0.069	0.000	0.0
1535	0.0	0.084	0.066	0.000	0.0
1540	0.0	0.080	0.063	0.000	0.0
1545	0.0	0.077	0.060	0.000	0.0
1550	0.0	0.073	0.057	0.000	0.0
1555	0.0	0.069	0.055	0.000	0.0
1560	0.0	0.066	0.052	0.000	0.0
1565	0.0	0.062	0.049	0.000	0.0
1570	0.0	0.059	0.046	0.000	0.0
1575	0.0	0.055	0.043	0.000	0.0
1580	0.0	0.052	0.041	0.000	0.0
1585	0.0	0.048	0.038	0.000	0.0
1590	0.0	0.045	0.035	0.000	0.0
1595	0.0	0.041	0.032	0.000	0.0
1600	0.0	0.037	0.029	0.000	0.0
1605	0.0	0.034	0.027	0.000	0.0
1610	0.0	0.030	0.024	0.000	0.0
1615	0.0	0.027	0.021	0.000	0.0
1620	0.0	0.023	0.018	0.000	0.0
1625	0.0	0.020	0.016	0.000	0.0
1630	0.0	0.016	0.013	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1635	0.0	0.013	0.010	0.000	0.0
1640	0.0	0.009	0.007	0.000	0.0
1645	0.0	0.006	0.004	0.000	0.0
1650	0.0	0.002	0.002	0.000	0.0
1655	0.0	0.002	0.001	0.000	0.0
1660	0.0	0.001	0.001	0.000	0.0
1665	0.0	0.001	0.001	0.000	0.0
1670	0.0	0.001	0.001	0.000	0.0
1675	0.0	0.001	0.001	0.000	0.0
1680	0.0	0.001	0.001	0.000	0.0
1685	0.0	0.001	0.000	0.000	0.0
1690	0.0	0.001	0.000	0.000	0.0
1695	0.0	0.000	0.000	0.000	0.0
1700	0.0	0.000	0.000	0.000	0.0
1705	0.0	0.000	0.000	0.000	0.0
1710	0.0	0.000	0.000	0.000	0.0
1715	0.0	0.000	0.000	0.000	0.0
1720	0.0	0.000	0.000	0.000	0.0
1725	0.0	0.000	0.000	0.000	0.0
1730	0.0	0.000	0.000	0.000	0.0
1735	0.0	0.000	0.000	0.000	0.0
1740	0.0	0.000	0.000	0.000	0.0
1745	0.0	0.000	0.000	0.000	0.0
1750	0.0	0.000	0.000	0.000	0.0
1755	0.0	0.000	0.000	0.000	0.0
1760	0.0	0.000	0.000	0.000	0.0
1765	0.0	0.000	0.000	0.000	0.0
1770	0.0	0.000	0.000	0.000	0.0
1775	0.0	0.000	0.000	0.000	0.0
1780	0.0	0.000	0.000	0.000	0.0
1785	0.0	0.000	0.000	0.000	0.0
1790	0.0	0.000	0.000	0.000	0.0
1795	0.0	0.000	0.000	0.000	0.0
1800	0.0	0.000	0.000	0.000	0.0
1805	0.0	0.000	0.000	0.000	0.0
1810	0.0	0.000	0.000	0.000	0.0
1815	0.0	0.000	0.000	0.000	0.0
1820	0.0	0.000	0.000	0.000	0.0
1825	0.0	0.000	0.000	0.000	0.0
1830	0.0	0.000	0.000	0.000	0.0
1835	0.0	0.000	0.000	0.000	0.0
1840	0.0	0.000	0.000	0.000	0.0
1845	0.0	0.000	0.000	0.000	0.0
1850	0.0	0.000	0.000	0.000	0.0
1855	0.0	0.000	0.000	0.000	0.0
1860	0.0	0.000	0.000	0.000	0.0
1865	0.0	0.000	0.000	0.000	0.0
1870	0.0	0.000	0.000	0.000	0.0
1875	0.0	0.000	0.000	0.000	0.0
1880	0.0	0.000	0.000	0.000	0.0
1885	0.0	0.000	0.000	0.000	0.0
1890	0.0	0.000	0.000	0.000	0.0
1895	0.0	0.000	0.000	0.000	0.0
1900	0.0	0.000	0.000	0.000	0.0
1905	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1910	0.0	0.000	0.000	0.000	0.0
1915	0.0	0.000	0.000	0.000	0.0
1920	0.0	0.000	0.000	0.000	0.0
1925	0.0	0.000	0.000	0.000	0.0
1930	0.0	0.000	0.000	0.000	0.0
1935	0.0	0.000	0.000	0.000	0.0
1940	0.0	0.000	0.000	0.000	0.0
1945	0.0	0.000	0.000	0.000	0.0
1950	0.0	0.000	0.000	0.000	0.0
1955	0.0	0.000	0.000	0.000	0.0
1960	0.0	0.000	0.000	0.000	0.0
1965	0.0	0.000	0.000	0.000	0.0
1970	0.0	0.000	0.000	0.000	0.0
1975	0.0	0.000	0.000	0.000	0.0
1980	0.0	0.000	0.000	0.000	0.0
1985	0.0	0.000	0.000	0.000	0.0
1990	0.0	0.000	0.000	0.000	0.0
1995	0.0	0.000	0.000	0.000	0.0
2000	0.0	0.000	0.000	0.000	0.0
2005	0.0	0.000	0.000	0.000	0.0
2010	0.0	0.000	0.000	0.000	0.0
2015	0.0	0.000	0.000	0.000	0.0
2020	0.0	0.000	0.000	0.000	0.0
2025	0.0	0.000	0.000	0.000	0.0
2030	0.0	0.000	0.000	0.000	0.0
2035	0.0	0.000	0.000	0.000	0.0
2040	0.0	0.000	0.000	0.000	0.0
2045	0.0	0.000	0.000	0.000	0.0
2050	0.0	0.000	0.000	0.000	0.0
2055	0.0	0.000	0.000	0.000	0.0
2060	0.0	0.000	0.000	0.000	0.0
2065	0.0	0.000	0.000	0.000	0.0
2070	0.0	0.000	0.000	0.000	0.0
2075	0.0	0.000	0.000	0.000	0.0
2080	0.0	0.000	0.000	0.000	0.0
2085	0.0	0.000	0.000	0.000	0.0
2090	0.0	0.000	0.000	0.000	0.0
2095	0.0	0.000	0.000	0.000	0.0
2100	0.0	0.000	0.000	0.000	0.0
2105	0.0	0.000	0.000	0.000	0.0
2110	0.0	0.000	0.000	0.000	0.0
2115	0.0	0.000	0.000	0.000	0.0
2120	0.0	0.000	0.000	0.000	0.0
2125	0.0	0.000	0.000	0.000	0.0
2130	0.0	0.000	0.000	0.000	0.0
2135	0.0	0.000	0.000	0.000	0.0
2140	0.0	0.000	0.000	0.000	0.0
2145	0.0	0.000	0.000	0.000	0.0
2150	0.0	0.000	0.000	0.000	0.0
2155	0.0	0.000	0.000	0.000	0.0
2160	0.0	0.000	0.000	0.000	0.0
2165	0.0	0.000	0.000	0.000	0.0
2170	0.0	0.000	0.000	0.000	0.0
2175	0.0	0.000	0.000	0.000	0.0
2180	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2185	0.0	0.000	0.000	0.000	0.0
2190	0.0	0.000	0.000	0.000	0.0
2195	0.0	0.000	0.000	0.000	0.0
2200	0.0	0.000	0.000	0.000	0.0
2205	0.0	0.000	0.000	0.000	0.0
2210	0.0	0.000	0.000	0.000	0.0
2215	0.0	0.000	0.000	0.000	0.0
2220	0.0	0.000	0.000	0.000	0.0
2225	0.0	0.000	0.000	0.000	0.0
2230	0.0	0.000	0.000	0.000	0.0
2235	0.0	0.000	0.000	0.000	0.0
2240	0.0	0.000	0.000	0.000	0.0
2245	0.0	0.000	0.000	0.000	0.0
2250	0.0	0.000	0.000	0.000	0.0
2255	0.0	0.000	0.000	0.000	0.0
2260	0.0	0.000	0.000	0.000	0.0
2265	0.0	0.000	0.000	0.000	0.0
2270	0.0	0.000	0.000	0.000	0.0
2275	0.0	0.000	0.000	0.000	0.0
2280	0.0	0.000	0.000	0.000	0.0
2285	0.0	0.000	0.000	0.000	0.0
2290	0.0	0.000	0.000	0.000	0.0
2295	0.0	0.000	0.000	0.000	0.0
2300	0.0	0.000	0.000	0.000	0.0
2305	0.0	0.000	0.000	0.000	0.0
2310	0.0	0.000	0.000	0.000	0.0
2315	0.0	0.000	0.000	0.000	0.0
2320	0.0	0.000	0.000	0.000	0.0
2325	0.0	0.000	0.000	0.000	0.0
2330	0.0	0.000	0.000	0.000	0.0
2335	0.0	0.000	0.000	0.000	0.0
2340	0.0	0.000	0.000	0.000	0.0
2345	0.0	0.000	0.000	0.000	0.0
2350	0.0	0.000	0.000	0.000	0.0
2355	0.0	0.000	0.000	0.000	0.0
2360	0.0	0.000	0.000	0.000	0.0
2365	0.0	0.000	0.000	0.000	0.0
2370	0.0	0.000	0.000	0.000	0.0
2375	0.0	0.000	0.000	0.000	0.0
2380	0.0	0.000	0.000	0.000	0.0
2385	0.0	0.000	0.000	0.000	0.0
2390	0.0	0.000	0.000	0.000	0.0
2395	0.0	0.000	0.000	0.000	0.0
2400	0.0	0.000	0.000	0.000	0.0
2405	0.0	0.000	0.000	0.000	0.0
2410	0.0	0.000	0.000	0.000	0.0
2415	0.0	0.000	0.000	0.000	0.0
2420	0.0	0.000	0.000	0.000	0.0
2425	0.0	0.000	0.000	0.000	0.0
2430	0.0	0.000	0.000	0.000	0.0
2435	0.0	0.000	0.000	0.000	0.0
2440	0.0	0.000	0.000	0.000	0.0
2445	0.0	0.000	0.000	0.000	0.0
2450	0.0	0.000	0.000	0.000	0.0
2455	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2460	0.0	0.000	0.000	0.000	0.0
2465	0.0	0.000	0.000	0.000	0.0
2470	0.0	0.000	0.000	0.000	0.0
2475	0.0	0.000	0.000	0.000	0.0
2480	0.0	0.000	0.000	0.000	0.0
2485	0.0	0.000	0.000	0.000	0.0
2490	0.0	0.000	0.000	0.000	0.0
2495	0.0	0.000	0.000	0.000	0.0
2500	0.0	0.000	0.000	0.000	0.0
2505	0.0	0.000	0.000	0.000	0.0
2510	0.0	0.000	0.000	0.000	0.0
2515	0.0	0.000	0.000	0.000	0.0
2520	0.0	0.000	0.000	0.000	0.0
2525	0.0	0.000	0.000	0.000	0.0
2530	0.0	0.000	0.000	0.000	0.0
2535	0.0	0.000	0.000	0.000	0.0
2540	0.0	0.000	0.000	0.000	0.0
2545	0.0	0.000	0.000	0.000	0.0
2550	0.0	0.000	0.000	0.000	0.0
2555	0.0	0.000	0.000	0.000	0.0
2560	0.0	0.000	0.000	0.000	0.0
2565	0.0	0.000	0.000	0.000	0.0
2570	0.0	0.000	0.000	0.000	0.0
2575	0.0	0.000	0.000	0.000	0.0
2580	0.0	0.000	0.000	0.000	0.0
2585	0.0	0.000	0.000	0.000	0.0
2590	0.0	0.000	0.000	0.000	0.0
2595	0.0	0.000	0.000	0.000	0.0
2600	0.0	0.000	0.000	0.000	0.0
2605	0.0	0.000	0.000	0.000	0.0
2610	0.0	0.000	0.000	0.000	0.0
2615	0.0	0.000	0.000	0.000	0.0
2620	0.0	0.000	0.000	0.000	0.0
2625	0.0	0.000	0.000	0.000	0.0
2630	0.0	0.000	0.000	0.000	0.0
2635	0.0	0.000	0.000	0.000	0.0
2640	0.0	0.000	0.000	0.000	0.0
2645	0.0	0.000	0.000	0.000	0.0
2650	0.0	0.000	0.000	0.000	0.0
2655	0.0	0.000	0.000	0.000	0.0
2660	0.0	0.000	0.000	0.000	0.0
2665	0.0	0.000	0.000	0.000	0.0
2670	0.0	0.000	0.000	0.000	0.0
2675	0.0	0.000	0.000	0.000	0.0
2680	0.0	0.000	0.000	0.000	0.0
2685	0.0	0.000	0.000	0.000	0.0
2690	0.0	0.000	0.000	0.000	0.0
2695	0.0	0.000	0.000	0.000	0.0
2700	0.0	0.000	0.000	0.000	0.0
2705	0.0	0.000	0.000	0.000	0.0
2710	0.0	0.000	0.000	0.000	0.0
2715	0.0	0.000	0.000	0.000	0.0
2720	0.0	0.000	0.000	0.000	0.0
2725	0.0	0.000	0.000	0.000	0.0
2730	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

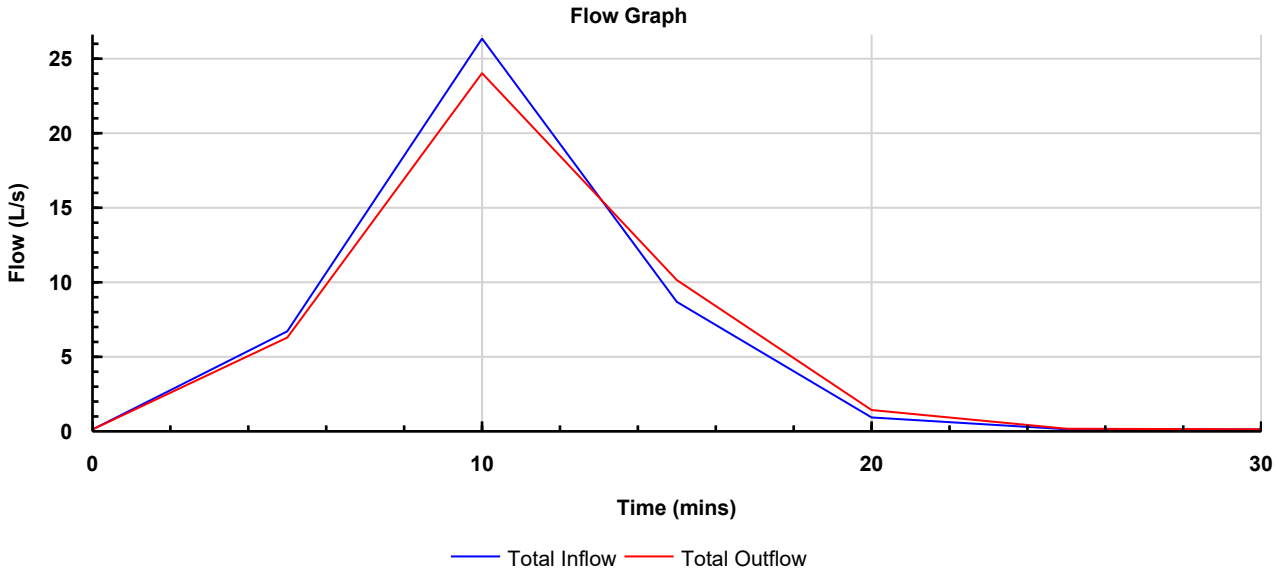
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2735	0.0	0.000	0.000	0.000	0.0
2740	0.0	0.000	0.000	0.000	0.0
2745	0.0	0.000	0.000	0.000	0.0
2750	0.0	0.000	0.000	0.000	0.0
2755	0.0	0.000	0.000	0.000	0.0
2760	0.0	0.000	0.000	0.000	0.0
2765	0.0	0.000	0.000	0.000	0.0
2770	0.0	0.000	0.000	0.000	0.0
2775	0.0	0.000	0.000	0.000	0.0
2780	0.0	0.000	0.000	0.000	0.0
2785	0.0	0.000	0.000	0.000	0.0
2790	0.0	0.000	0.000	0.000	0.0
2795	0.0	0.000	0.000	0.000	0.0
2800	0.0	0.000	0.000	0.000	0.0
2805	0.0	0.000	0.000	0.000	0.0
2810	0.0	0.000	0.000	0.000	0.0
2815	0.0	0.000	0.000	0.000	0.0
2820	0.0	0.000	0.000	0.000	0.0
2825	0.0	0.000	0.000	0.000	0.0
2830	0.0	0.000	0.000	0.000	0.0
2835	0.0	0.000	0.000	0.000	0.0
2840	0.0	0.000	0.000	0.000	0.0
2845	0.0	0.000	0.000	0.000	0.0
2850	0.0	0.000	0.000	0.000	0.0
2855	0.0	0.000	0.000	0.000	0.0
2860	0.0	0.000	0.000	0.000	0.0
2865	0.0	0.000	0.000	0.000	0.0
2870	0.0	0.000	0.000	0.000	0.0
2875	0.0	0.000	0.000	0.000	0.0
2880	0.0	0.000	0.000	0.000	0.0

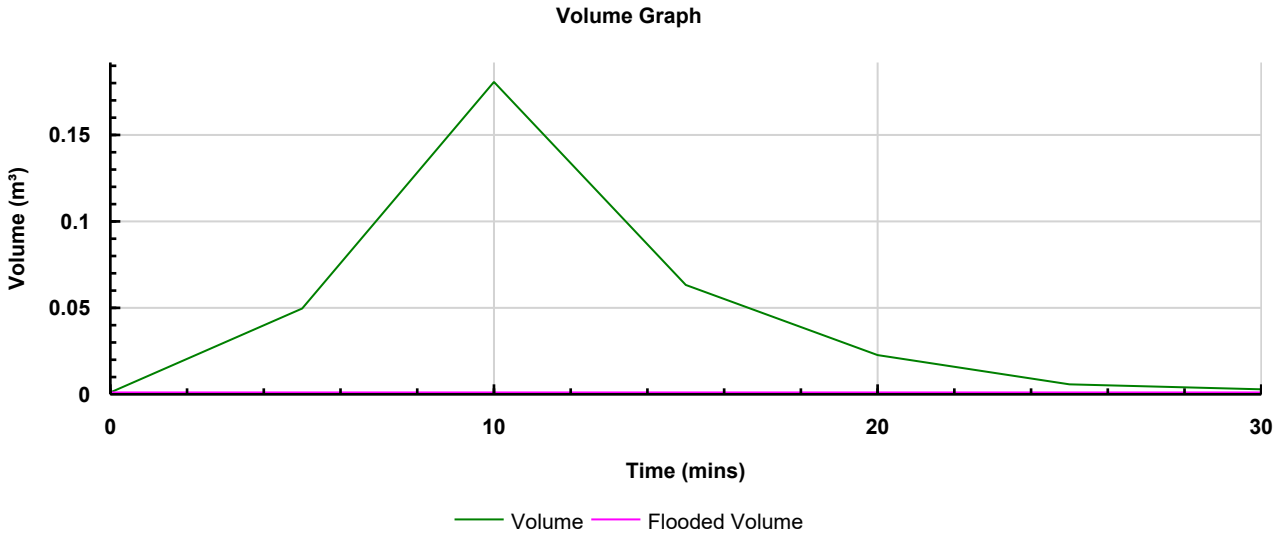
Project - 2080: Ramsbury Manor - Exhibition Centre	Date: 22/08/2025		
	Designed by: GB	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Company Address: AFA Consulting Engineers Ltd		

SMH306 Type : Manhole

Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

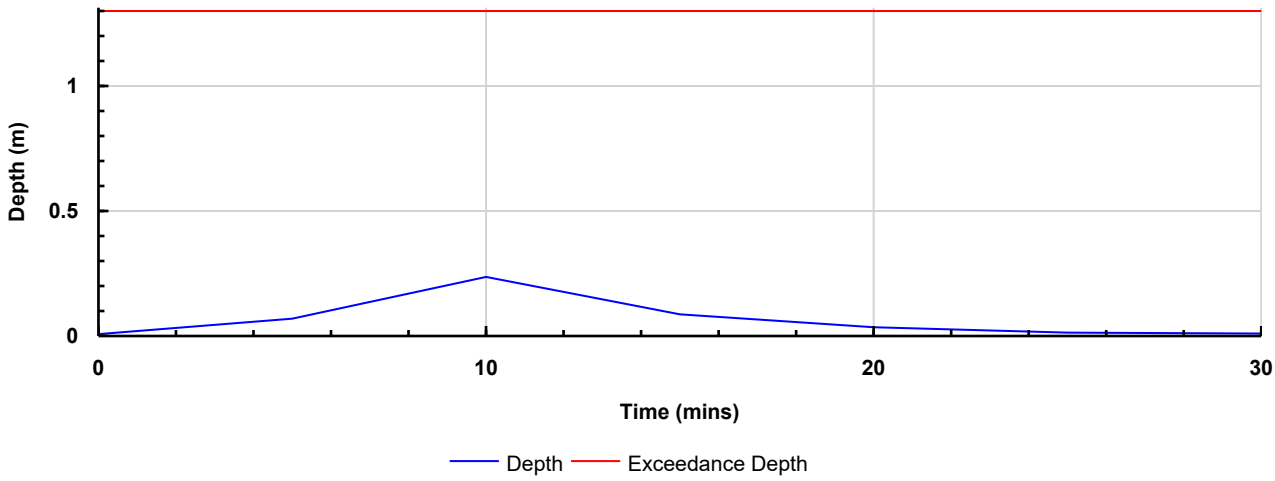
Graphs





Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Depth Graph



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

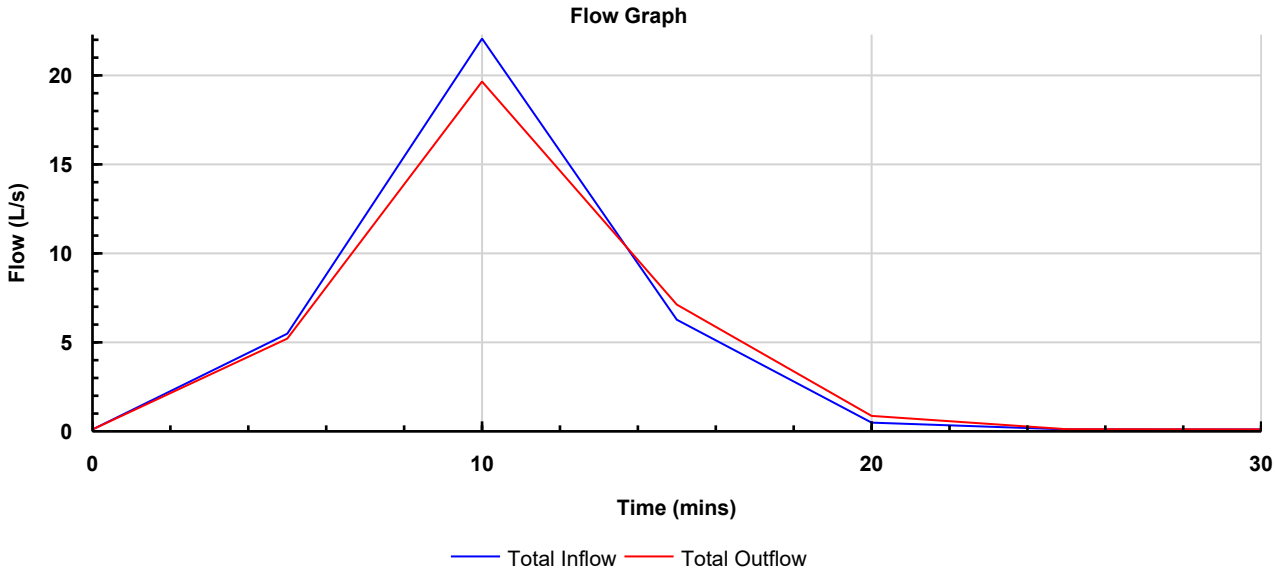
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	6.6	0.062	0.049	0.000	6.2
10	26.3	0.230	0.181	0.000	24.0
15	8.6	0.080	0.063	0.000	10.1
20	0.8	0.028	0.022	0.000	1.3
25	0.0	0.006	0.005	0.000	0.0
30	0.0	0.002	0.002	0.000	0.0

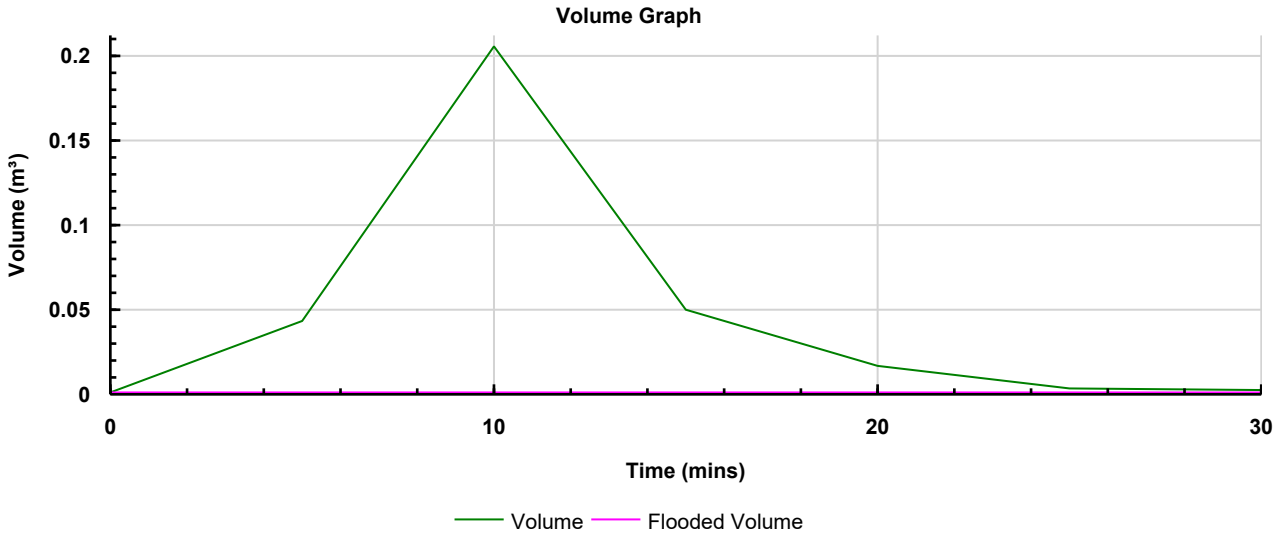
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH307 Type : Manhole

Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

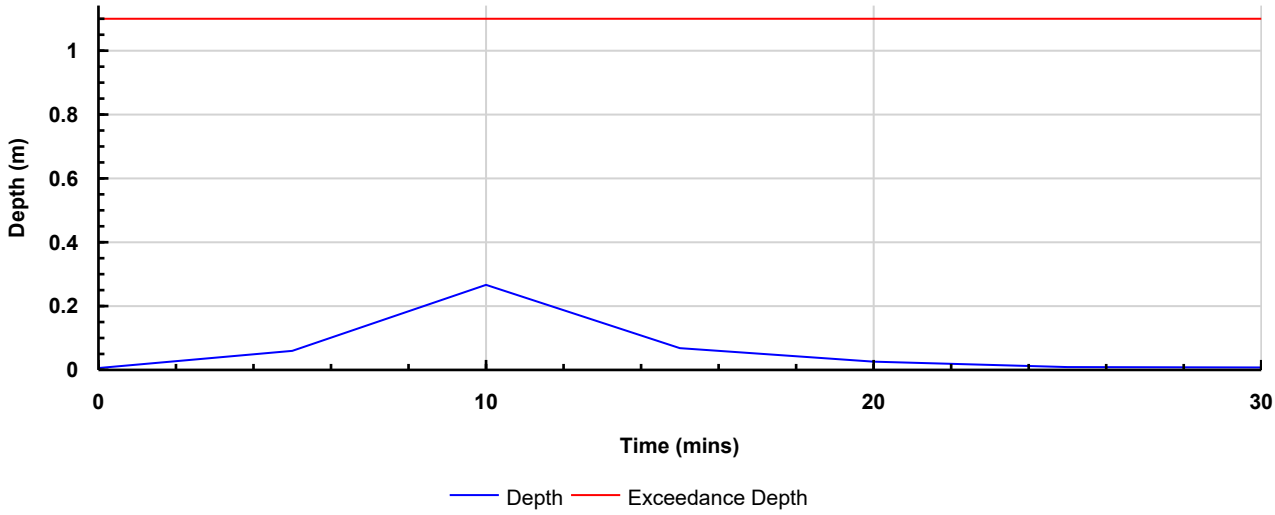
Graphs





Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Depth Graph



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

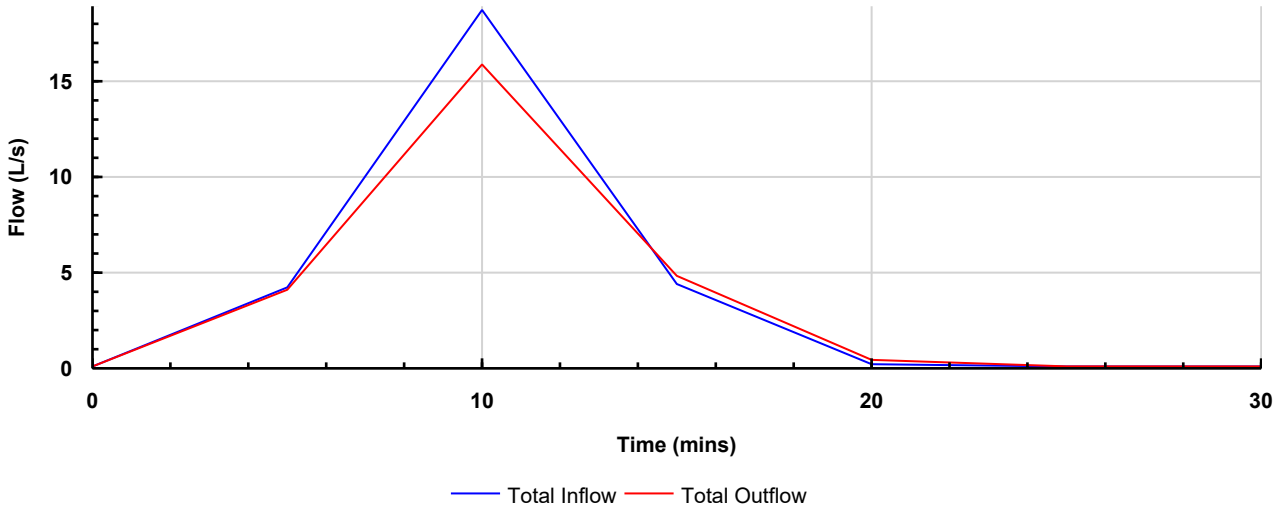
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	5.4	0.054	0.042	0.000	5.1
10	22.1	0.262	0.206	0.000	19.6
15	6.2	0.063	0.049	0.000	7.0
20	0.4	0.020	0.016	0.000	0.8
25	0.0	0.003	0.002	0.000	0.0
30	0.0	0.002	0.001	0.000	0.0

SIC303 Type : Manhole

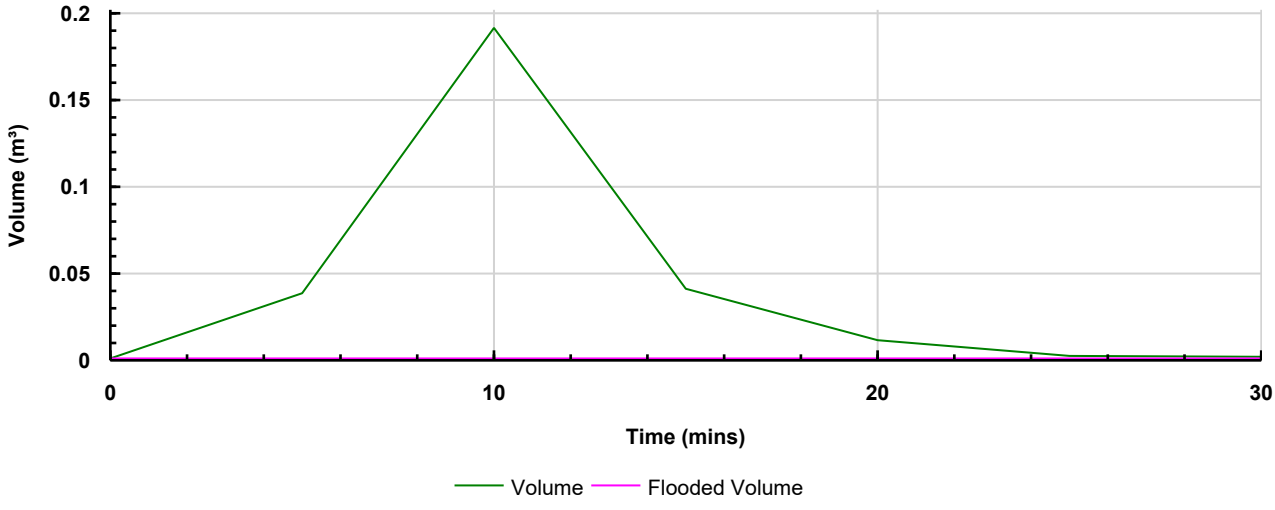
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs

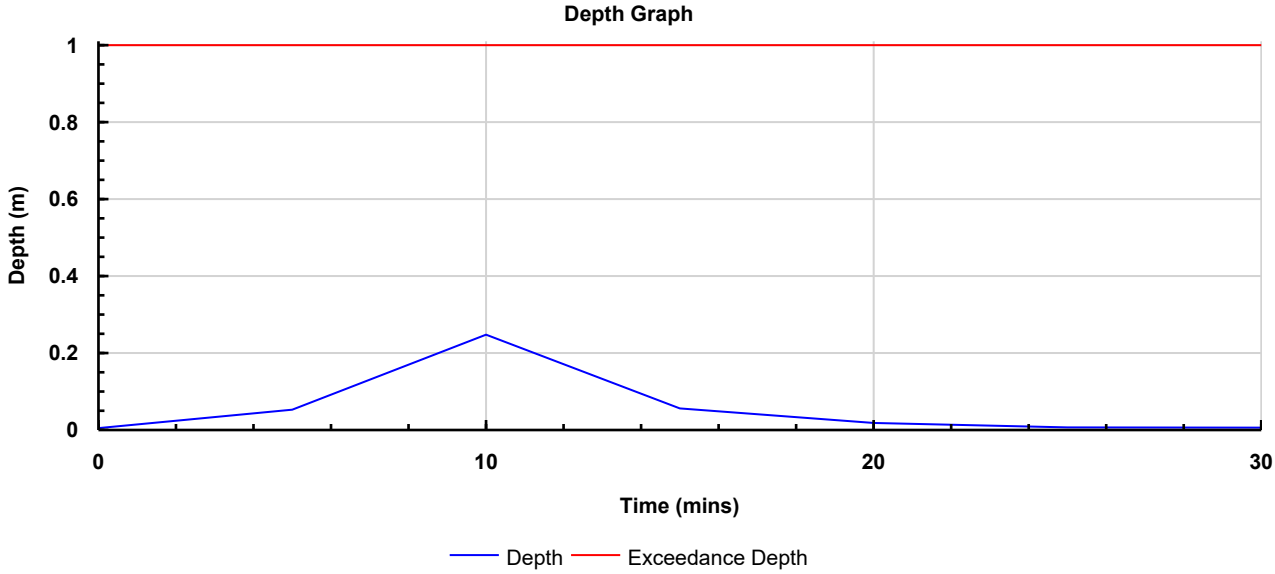
Flow Graph



Volume Graph



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

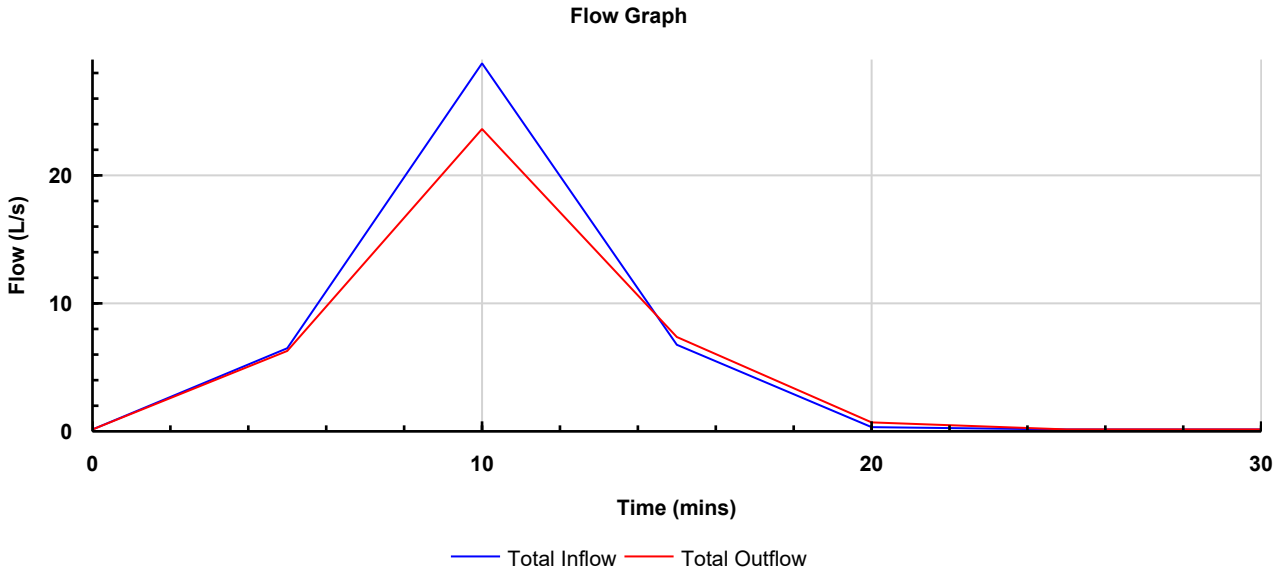
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	4.2	0.048	0.038	0.000	4.0
10	18.7	0.244	0.192	0.000	15.9
15	4.3	0.051	0.040	0.000	4.8
20	0.1	0.013	0.011	0.000	0.3
25	0.0	0.002	0.001	0.000	0.0
30	0.0	0.001	0.001	0.000	0.0

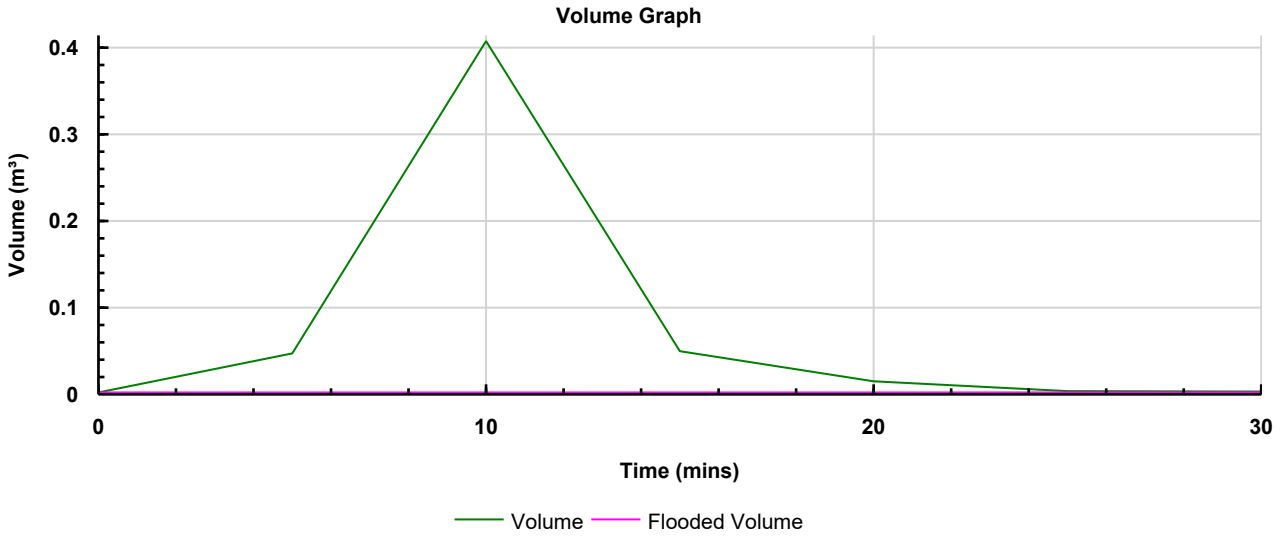
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH308 Type : Manhole

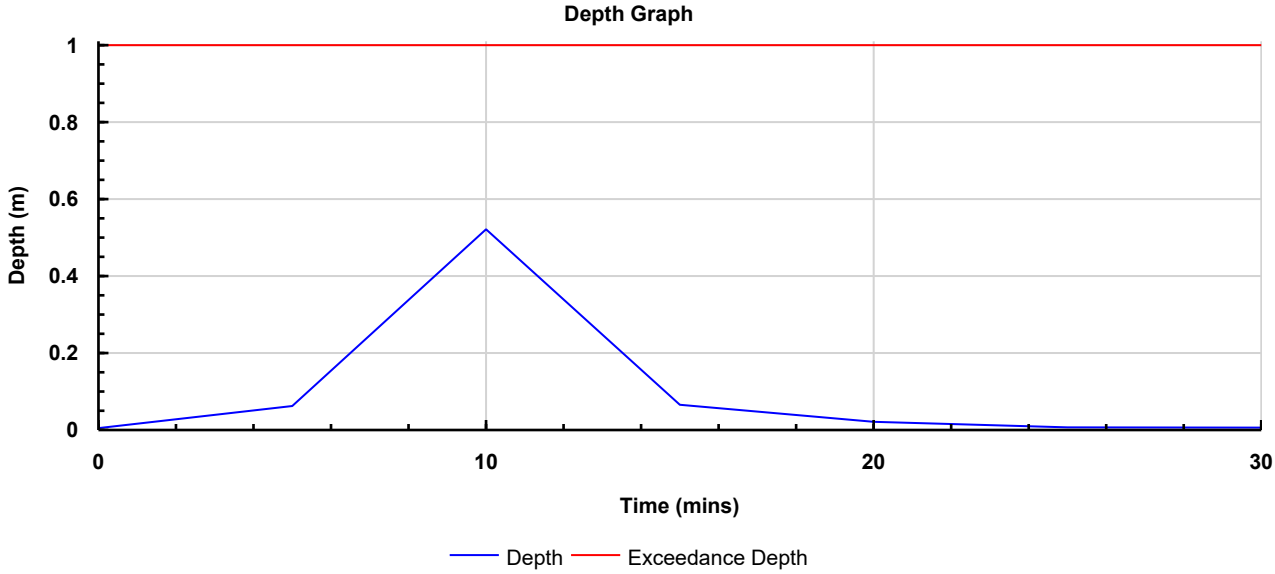
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

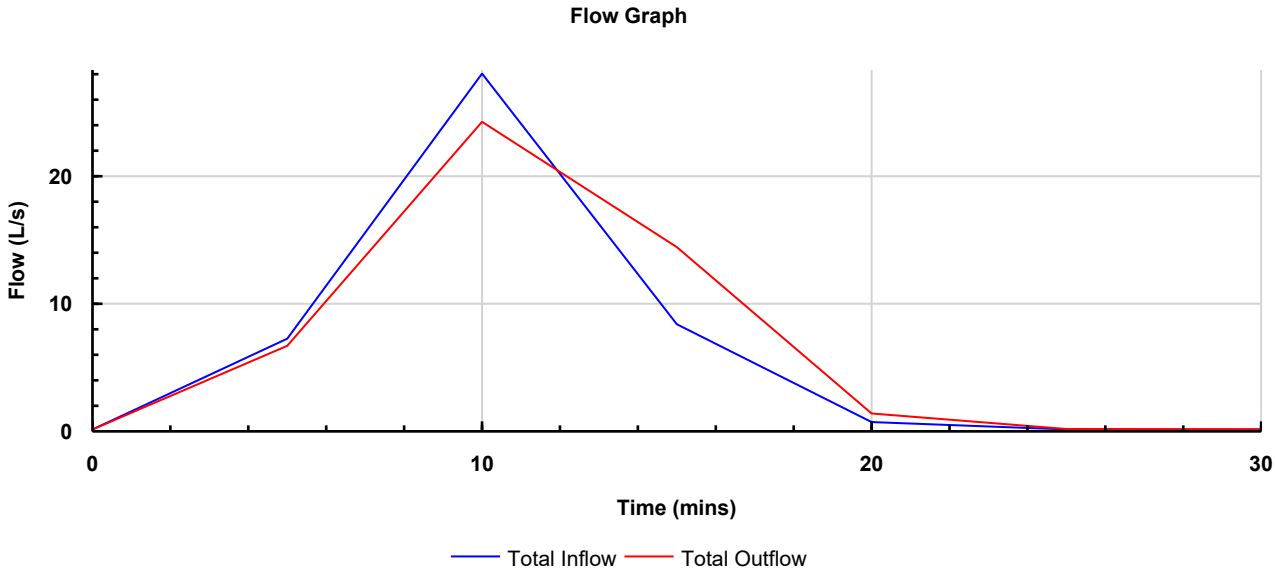
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	6.4	0.058	0.045	0.000	6.2
10	28.8	0.519	0.408	0.000	23.6
15	6.7	0.061	0.048	0.000	7.3
20	0.2	0.016	0.013	0.000	0.6
25	0.0	0.002	0.002	0.000	0.0
30	0.0	0.001	0.001	0.000	0.0

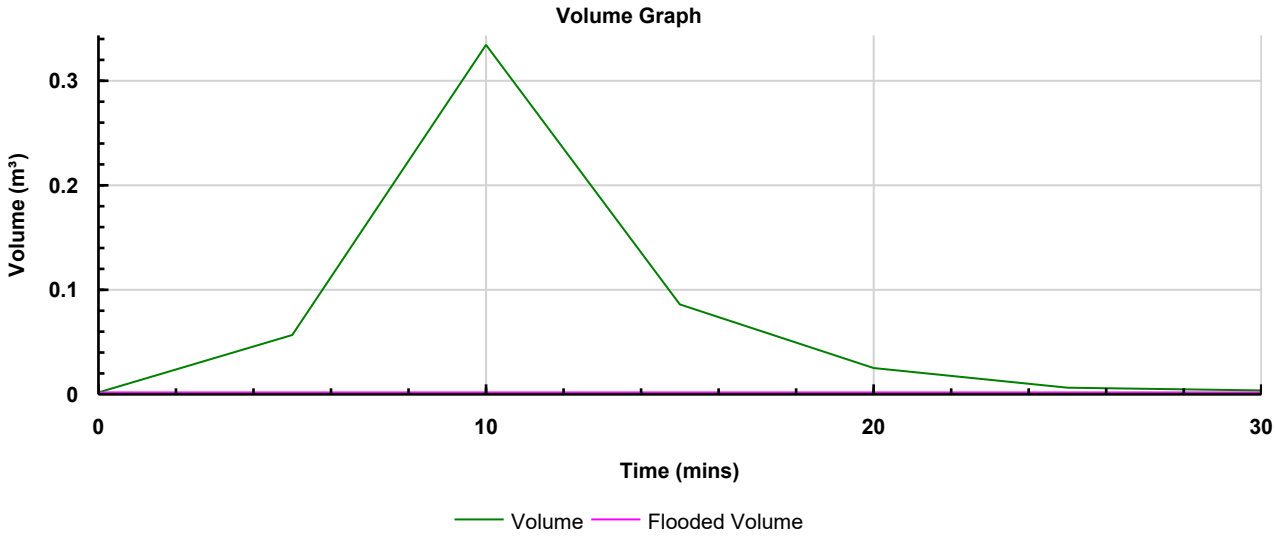
Project - 2080: Ramsbury Manor - Exhibition Centre	Date: 22/08/2025			
	Designed by: GB	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: Phase	Company Address: AFA Consulting Engineers Ltd			

SMH309 Type : Manhole

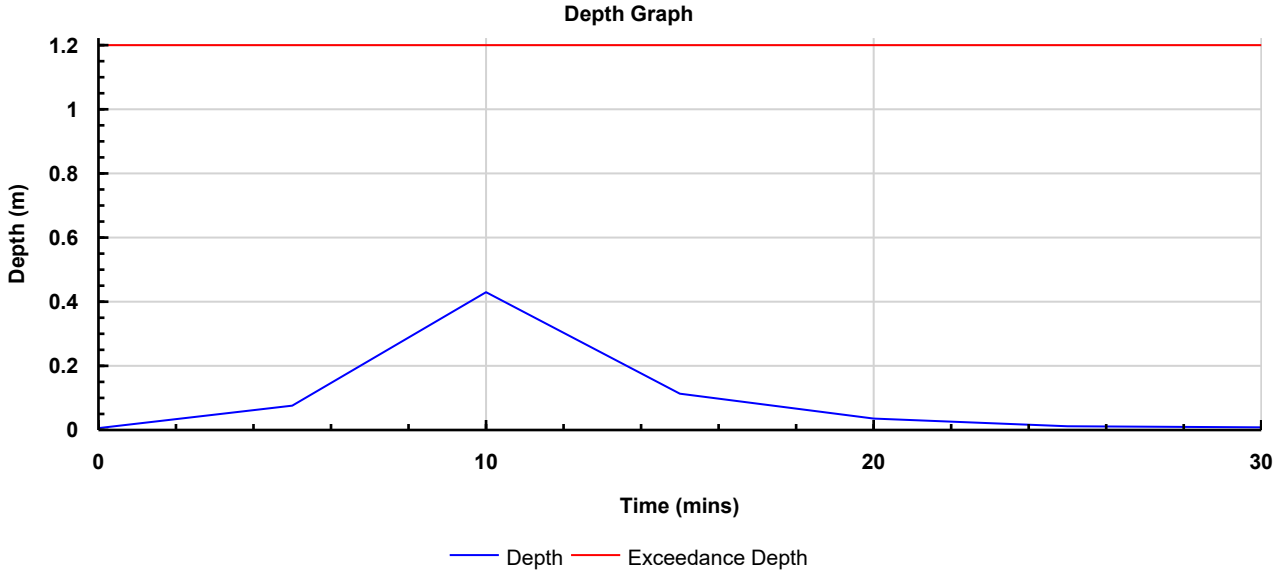
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

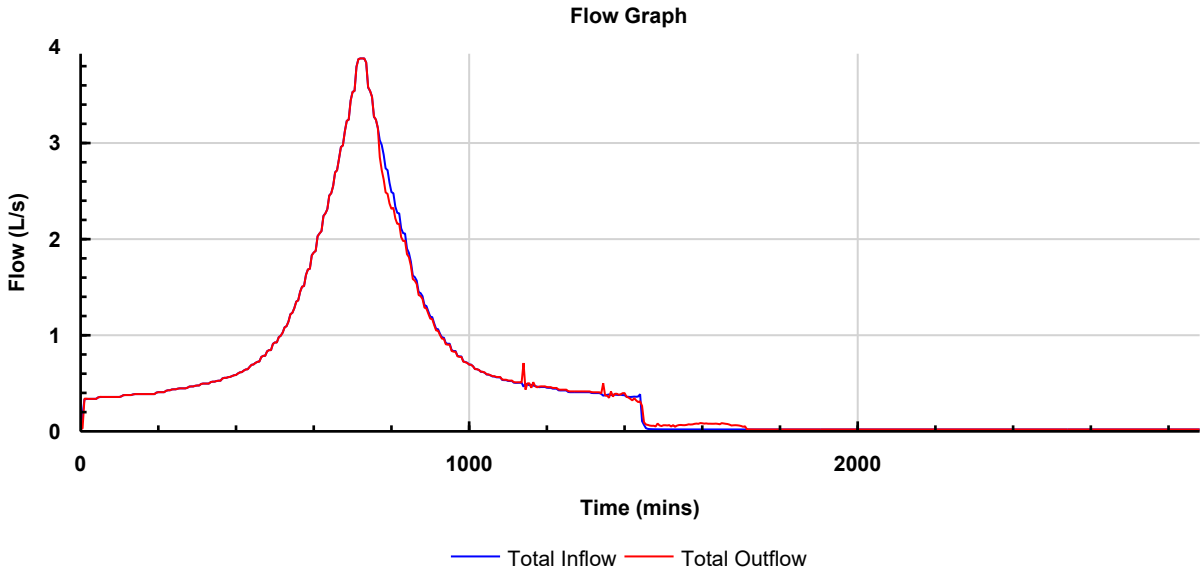
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	7.2	0.070	0.055	0.000	6.6
10	28.0	0.426	0.334	0.000	24.2
15	8.3	0.108	0.085	0.000	14.4
20	0.6	0.030	0.023	0.000	1.3
25	0.0	0.006	0.005	0.000	0.0
30	0.0	0.002	0.002	0.000	0.0

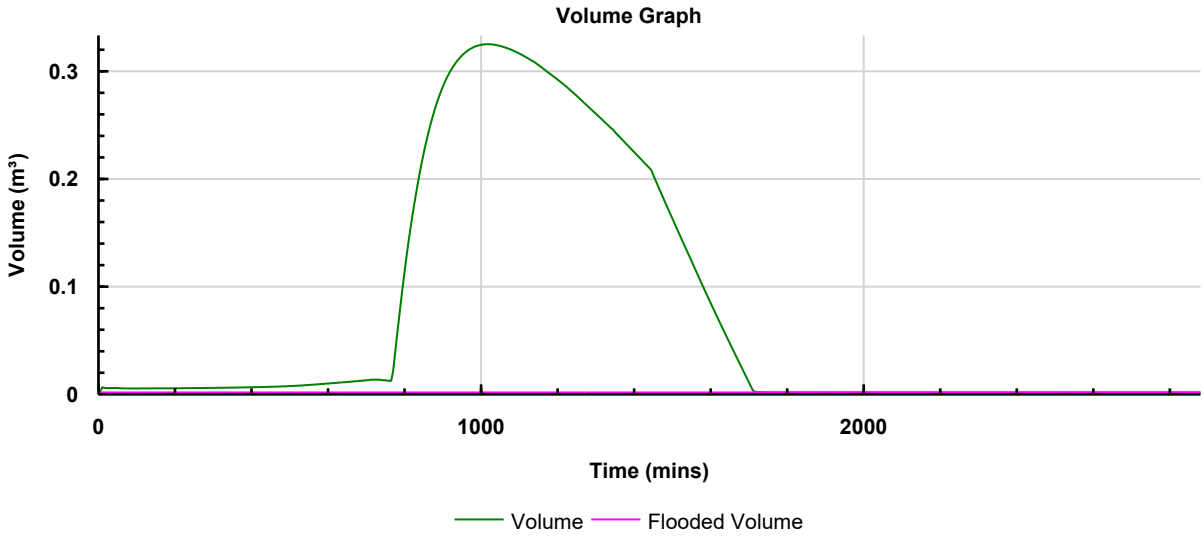
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH310 Type : Manhole

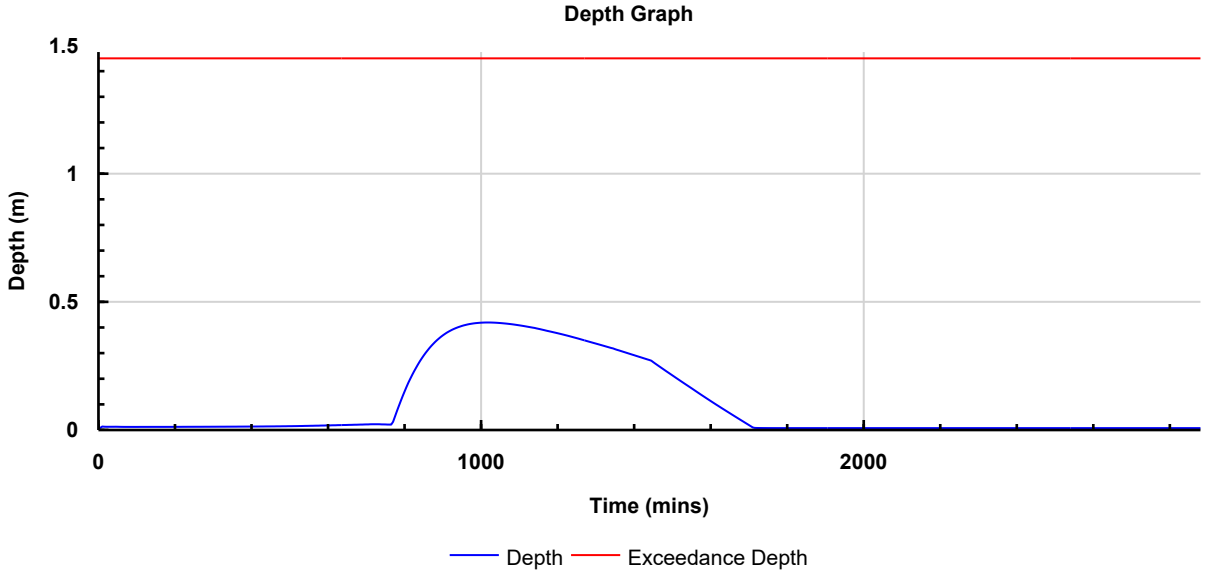
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.2	0.001	0.001	0.000	0.0
10	0.3	0.006	0.005	0.000	0.3
15	0.3	0.006	0.004	0.000	0.3
20	0.3	0.005	0.004	0.000	0.3
25	0.3	0.005	0.004	0.000	0.3
30	0.3	0.005	0.004	0.000	0.3
35	0.3	0.005	0.004	0.000	0.3
40	0.3	0.005	0.004	0.000	0.3
45	0.3	0.005	0.004	0.000	0.3
50	0.3	0.005	0.004	0.000	0.3
55	0.3	0.005	0.004	0.000	0.3
60	0.3	0.005	0.004	0.000	0.3
65	0.3	0.005	0.004	0.000	0.3
70	0.3	0.005	0.004	0.000	0.3
75	0.3	0.005	0.004	0.000	0.3
80	0.3	0.005	0.004	0.000	0.3
85	0.3	0.005	0.004	0.000	0.3
90	0.3	0.005	0.004	0.000	0.3
95	0.3	0.005	0.004	0.000	0.3
100	0.3	0.005	0.004	0.000	0.3
105	0.3	0.005	0.004	0.000	0.3
110	0.4	0.005	0.004	0.000	0.4
115	0.4	0.005	0.004	0.000	0.4
120	0.4	0.005	0.004	0.000	0.4
125	0.4	0.005	0.004	0.000	0.4
130	0.4	0.005	0.004	0.000	0.4
135	0.4	0.005	0.004	0.000	0.4
140	0.4	0.005	0.004	0.000	0.4
145	0.4	0.005	0.004	0.000	0.4
150	0.4	0.005	0.004	0.000	0.4
155	0.4	0.005	0.004	0.000	0.4
160	0.4	0.005	0.004	0.000	0.4
165	0.4	0.005	0.004	0.000	0.4
170	0.4	0.005	0.004	0.000	0.4
175	0.4	0.005	0.004	0.000	0.4
180	0.4	0.005	0.004	0.000	0.4
185	0.4	0.005	0.004	0.000	0.4
190	0.4	0.005	0.004	0.000	0.4
195	0.4	0.005	0.004	0.000	0.4
200	0.4	0.005	0.004	0.000	0.4
205	0.4	0.005	0.004	0.000	0.4
210	0.4	0.005	0.004	0.000	0.4
215	0.4	0.005	0.004	0.000	0.4
220	0.4	0.005	0.004	0.000	0.4
225	0.4	0.005	0.004	0.000	0.4
230	0.4	0.005	0.004	0.000	0.4
235	0.4	0.005	0.004	0.000	0.4
240	0.4	0.005	0.004	0.000	0.4
245	0.4	0.005	0.004	0.000	0.4
250	0.4	0.005	0.004	0.000	0.4
255	0.4	0.005	0.004	0.000	0.4

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
260	0.4	0.005	0.004	0.000	0.4
265	0.4	0.005	0.004	0.000	0.4
270	0.4	0.005	0.004	0.000	0.4
275	0.4	0.005	0.004	0.000	0.4
280	0.4	0.005	0.004	0.000	0.4
285	0.5	0.005	0.004	0.000	0.4
290	0.5	0.005	0.004	0.000	0.4
295	0.5	0.005	0.004	0.000	0.5
300	0.5	0.005	0.004	0.000	0.5
305	0.5	0.005	0.004	0.000	0.5
310	0.5	0.006	0.004	0.000	0.5
315	0.5	0.006	0.004	0.000	0.5
320	0.5	0.006	0.004	0.000	0.5
325	0.5	0.006	0.004	0.000	0.5
330	0.5	0.006	0.004	0.000	0.5
335	0.5	0.006	0.004	0.000	0.5
340	0.5	0.006	0.004	0.000	0.5
345	0.5	0.006	0.004	0.000	0.5
350	0.5	0.006	0.005	0.000	0.5
355	0.5	0.006	0.005	0.000	0.5
360	0.5	0.006	0.005	0.000	0.5
365	0.5	0.006	0.005	0.000	0.5
370	0.5	0.006	0.005	0.000	0.5
375	0.5	0.006	0.005	0.000	0.5
380	0.5	0.006	0.005	0.000	0.5
385	0.6	0.006	0.005	0.000	0.5
390	0.6	0.006	0.005	0.000	0.6
395	0.6	0.006	0.005	0.000	0.6
400	0.6	0.006	0.005	0.000	0.6
405	0.6	0.006	0.005	0.000	0.6
410	0.6	0.006	0.005	0.000	0.6
415	0.6	0.006	0.005	0.000	0.6
420	0.6	0.006	0.005	0.000	0.6
425	0.6	0.006	0.005	0.000	0.6
430	0.6	0.006	0.005	0.000	0.6
435	0.7	0.007	0.005	0.000	0.7
440	0.7	0.007	0.005	0.000	0.7
445	0.7	0.007	0.005	0.000	0.7
450	0.7	0.007	0.005	0.000	0.7
455	0.7	0.007	0.005	0.000	0.7
460	0.7	0.007	0.005	0.000	0.7
465	0.8	0.007	0.005	0.000	0.8
470	0.8	0.007	0.006	0.000	0.8
475	0.8	0.007	0.006	0.000	0.8
480	0.8	0.007	0.006	0.000	0.8
485	0.8	0.007	0.006	0.000	0.8
490	0.8	0.007	0.006	0.000	0.8
495	0.9	0.008	0.006	0.000	0.9
500	0.9	0.008	0.006	0.000	0.9
505	0.9	0.008	0.006	0.000	0.9
510	1.0	0.008	0.006	0.000	1.0
515	1.0	0.008	0.006	0.000	1.0
520	1.0	0.008	0.006	0.000	1.0
525	1.1	0.008	0.006	0.000	1.1
530	1.1	0.008	0.006	0.000	1.1

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
535	1.1	0.008	0.007	0.000	1.1
540	1.2	0.009	0.007	0.000	1.2
545	1.2	0.009	0.007	0.000	1.2
550	1.3	0.009	0.007	0.000	1.3
555	1.3	0.009	0.007	0.000	1.3
560	1.3	0.009	0.007	0.000	1.3
565	1.4	0.009	0.007	0.000	1.4
570	1.5	0.010	0.008	0.000	1.5
575	1.5	0.010	0.008	0.000	1.5
580	1.6	0.010	0.008	0.000	1.6
585	1.7	0.010	0.008	0.000	1.7
590	1.7	0.010	0.008	0.000	1.7
595	1.8	0.011	0.008	0.000	1.8
600	1.8	0.011	0.008	0.000	1.8
605	1.9	0.011	0.008	0.000	1.9
610	2.0	0.011	0.009	0.000	2.0
615	2.0	0.011	0.009	0.000	2.0
620	2.1	0.011	0.009	0.000	2.1
625	2.2	0.012	0.009	0.000	2.2
630	2.3	0.012	0.009	0.000	2.3
635	2.3	0.012	0.009	0.000	2.3
640	2.4	0.012	0.010	0.000	2.4
645	2.5	0.012	0.010	0.000	2.5
650	2.5	0.012	0.010	0.000	2.5
655	2.7	0.013	0.010	0.000	2.7
660	2.7	0.013	0.010	0.000	2.7
665	2.8	0.013	0.010	0.000	2.8
670	3.0	0.013	0.010	0.000	3.0
675	3.0	0.013	0.010	0.000	3.0
680	3.1	0.014	0.011	0.000	3.1
685	3.2	0.014	0.011	0.000	3.2
690	3.2	0.014	0.011	0.000	3.2
695	3.4	0.014	0.011	0.000	3.4
700	3.5	0.015	0.011	0.000	3.5
705	3.5	0.015	0.011	0.000	3.5
710	3.8	0.015	0.012	0.000	3.8
715	3.9	0.015	0.012	0.000	3.9
720	3.9	0.015	0.012	0.000	3.9
725	3.9	0.015	0.012	0.000	3.9
730	3.9	0.015	0.012	0.000	3.9
735	3.8	0.015	0.012	0.000	3.8
740	3.6	0.015	0.011	0.000	3.6
745	3.5	0.015	0.011	0.000	3.5
750	3.5	0.014	0.011	0.000	3.5
755	3.3	0.014	0.011	0.000	3.3
760	3.2	0.014	0.011	0.000	3.2
765	3.2	0.014	0.011	0.000	3.2
770	3.0	0.025	0.020	0.000	2.8
775	3.0	0.046	0.036	0.000	2.7
780	2.9	0.067	0.052	0.000	2.6
785	2.7	0.087	0.068	0.000	2.5
790	2.7	0.106	0.083	0.000	2.5
795	2.6	0.125	0.098	0.000	2.4
800	2.5	0.143	0.113	0.000	2.3
805	2.5	0.161	0.127	0.000	2.3

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
810	2.3	0.178	0.140	0.000	2.2
815	2.3	0.194	0.152	0.000	2.2
820	2.3	0.209	0.164	0.000	2.2
825	2.1	0.223	0.175	0.000	2.0
830	2.1	0.236	0.186	0.000	2.0
835	2.0	0.250	0.196	0.000	2.0
840	1.9	0.262	0.206	0.000	1.8
845	1.8	0.274	0.215	0.000	1.8
850	1.8	0.285	0.223	0.000	1.7
855	1.6	0.295	0.232	0.000	1.6
860	1.6	0.305	0.239	0.000	1.6
865	1.6	0.314	0.246	0.000	1.5
870	1.4	0.323	0.253	0.000	1.4
875	1.4	0.330	0.259	0.000	1.4
880	1.4	0.338	0.265	0.000	1.4
885	1.3	0.345	0.271	0.000	1.3
890	1.3	0.352	0.276	0.000	1.3
895	1.2	0.358	0.281	0.000	1.2
900	1.2	0.364	0.285	0.000	1.2
905	1.2	0.369	0.290	0.000	1.2
910	1.1	0.374	0.293	0.000	1.1
915	1.1	0.378	0.297	0.000	1.0
920	1.0	0.382	0.300	0.000	1.0
925	1.0	0.386	0.303	0.000	1.0
930	1.0	0.390	0.306	0.000	0.9
935	1.0	0.393	0.308	0.000	0.9
940	0.9	0.396	0.311	0.000	0.9
945	0.9	0.398	0.313	0.000	0.9
950	0.9	0.401	0.315	0.000	0.9
955	0.8	0.403	0.316	0.000	0.8
960	0.8	0.405	0.318	0.000	0.8
965	0.8	0.407	0.319	0.000	0.8
970	0.8	0.408	0.320	0.000	0.8
975	0.8	0.409	0.321	0.000	0.8
980	0.8	0.411	0.322	0.000	0.8
985	0.7	0.411	0.323	0.000	0.7
990	0.7	0.412	0.324	0.000	0.7
995	0.7	0.413	0.324	0.000	0.7
1000	0.7	0.413	0.325	0.000	0.7
1005	0.7	0.414	0.325	0.000	0.7
1010	0.7	0.414	0.325	0.000	0.7
1015	0.6	0.414	0.325	0.000	0.6
1020	0.6	0.414	0.325	0.000	0.6
1025	0.6	0.414	0.325	0.000	0.6
1030	0.6	0.414	0.325	0.000	0.6
1035	0.6	0.413	0.325	0.000	0.6
1040	0.6	0.413	0.324	0.000	0.6
1045	0.6	0.413	0.324	0.000	0.6
1050	0.6	0.412	0.323	0.000	0.6
1055	0.6	0.411	0.323	0.000	0.6
1060	0.6	0.411	0.322	0.000	0.6
1065	0.6	0.410	0.322	0.000	0.6
1070	0.5	0.409	0.321	0.000	0.5
1075	0.5	0.408	0.320	0.000	0.5
1080	0.5	0.407	0.320	0.000	0.5

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1085	0.5	0.406	0.319	0.000	0.5
1090	0.5	0.405	0.318	0.000	0.5
1095	0.5	0.404	0.317	0.000	0.5
1100	0.5	0.403	0.316	0.000	0.5
1105	0.5	0.402	0.315	0.000	0.5
1110	0.5	0.401	0.314	0.000	0.5
1115	0.5	0.399	0.313	0.000	0.5
1120	0.5	0.398	0.312	0.000	0.5
1125	0.5	0.397	0.311	0.000	0.5
1130	0.5	0.395	0.310	0.000	0.5
1135	0.5	0.394	0.309	0.000	0.5
1140	0.4	0.393	0.308	0.000	0.7
1145	0.5	0.391	0.307	0.000	0.4
1150	0.5	0.389	0.306	0.000	0.5
1155	0.5	0.388	0.304	0.000	0.5
1160	0.5	0.386	0.303	0.000	0.4
1165	0.5	0.384	0.302	0.000	0.5
1170	0.5	0.382	0.300	0.000	0.5
1175	0.4	0.381	0.299	0.000	0.4
1180	0.4	0.379	0.298	0.000	0.4
1185	0.4	0.377	0.296	0.000	0.5
1190	0.4	0.376	0.295	0.000	0.5
1195	0.4	0.374	0.293	0.000	0.5
1200	0.4	0.372	0.292	0.000	0.4
1205	0.4	0.370	0.291	0.000	0.4
1210	0.4	0.368	0.289	0.000	0.4
1215	0.4	0.367	0.288	0.000	0.4
1220	0.4	0.365	0.286	0.000	0.4
1225	0.4	0.363	0.285	0.000	0.4
1230	0.4	0.361	0.283	0.000	0.4
1235	0.4	0.359	0.282	0.000	0.4
1240	0.4	0.357	0.280	0.000	0.4
1245	0.4	0.355	0.278	0.000	0.4
1250	0.4	0.353	0.277	0.000	0.4
1255	0.4	0.351	0.275	0.000	0.4
1260	0.4	0.348	0.274	0.000	0.4
1265	0.4	0.346	0.272	0.000	0.4
1270	0.4	0.344	0.270	0.000	0.4
1275	0.4	0.342	0.268	0.000	0.4
1280	0.4	0.340	0.267	0.000	0.4
1285	0.4	0.338	0.265	0.000	0.4
1290	0.4	0.336	0.263	0.000	0.4
1295	0.4	0.334	0.262	0.000	0.4
1300	0.4	0.331	0.260	0.000	0.4
1305	0.4	0.329	0.259	0.000	0.4
1310	0.4	0.327	0.257	0.000	0.4
1315	0.4	0.325	0.255	0.000	0.4
1320	0.4	0.323	0.253	0.000	0.4
1325	0.4	0.321	0.252	0.000	0.4
1330	0.4	0.319	0.250	0.000	0.4
1335	0.4	0.316	0.248	0.000	0.4
1340	0.4	0.314	0.247	0.000	0.4
1345	0.4	0.312	0.245	0.000	0.5
1350	0.4	0.310	0.243	0.000	0.4
1355	0.4	0.307	0.241	0.000	0.4

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1360	0.4	0.305	0.239	0.000	0.3
1365	0.4	0.302	0.237	0.000	0.4
1370	0.4	0.300	0.236	0.000	0.3
1375	0.4	0.298	0.234	0.000	0.4
1380	0.4	0.295	0.232	0.000	0.4
1385	0.4	0.293	0.230	0.000	0.4
1390	0.4	0.291	0.228	0.000	0.4
1395	0.4	0.288	0.226	0.000	0.4
1400	0.4	0.286	0.224	0.000	0.4
1405	0.3	0.283	0.222	0.000	0.3
1410	0.3	0.281	0.221	0.000	0.3
1415	0.3	0.279	0.219	0.000	0.3
1420	0.3	0.276	0.217	0.000	0.3
1425	0.3	0.274	0.215	0.000	0.3
1430	0.3	0.272	0.213	0.000	0.3
1435	0.3	0.269	0.211	0.000	0.3
1440	0.4	0.267	0.210	0.000	0.3
1445	0.1	0.264	0.207	0.000	0.2
1450	0.0	0.259	0.203	0.000	0.1
1455	0.0	0.253	0.199	0.000	0.1
1460	0.0	0.248	0.195	0.000	0.0
1465	0.0	0.243	0.191	0.000	0.0
1470	0.0	0.238	0.186	0.000	0.0
1475	0.0	0.232	0.182	0.000	0.0
1480	0.0	0.227	0.178	0.000	0.0
1485	0.0	0.222	0.174	0.000	0.1
1490	0.0	0.217	0.170	0.000	0.0
1495	0.0	0.212	0.166	0.000	0.0
1500	0.0	0.207	0.162	0.000	0.0
1505	0.0	0.202	0.158	0.000	0.0
1510	0.0	0.196	0.154	0.000	0.0
1515	0.0	0.191	0.150	0.000	0.0
1520	0.0	0.186	0.146	0.000	0.0
1525	0.0	0.181	0.142	0.000	0.0
1530	0.0	0.176	0.138	0.000	0.0
1535	0.0	0.171	0.134	0.000	0.0
1540	0.0	0.166	0.131	0.000	0.0
1545	0.0	0.161	0.127	0.000	0.0
1550	0.0	0.156	0.123	0.000	0.0
1555	0.0	0.151	0.119	0.000	0.0
1560	0.0	0.146	0.115	0.000	0.0
1565	0.0	0.141	0.111	0.000	0.1
1570	0.0	0.136	0.107	0.000	0.1
1575	0.0	0.131	0.103	0.000	0.1
1580	0.0	0.126	0.099	0.000	0.1
1585	0.0	0.121	0.095	0.000	0.1
1590	0.0	0.116	0.091	0.000	0.1
1595	0.0	0.111	0.087	0.000	0.1
1600	0.0	0.106	0.083	0.000	0.1
1605	0.0	0.101	0.080	0.000	0.1
1610	0.0	0.097	0.076	0.000	0.1
1615	0.0	0.092	0.072	0.000	0.1
1620	0.0	0.087	0.068	0.000	0.1
1625	0.0	0.082	0.064	0.000	0.1
1630	0.0	0.077	0.061	0.000	0.1

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1635	0.0	0.073	0.057	0.000	0.1
1640	0.0	0.068	0.053	0.000	0.1
1645	0.0	0.063	0.050	0.000	0.1
1650	0.0	0.059	0.046	0.000	0.1
1655	0.0	0.054	0.042	0.000	0.1
1660	0.0	0.049	0.039	0.000	0.1
1665	0.0	0.044	0.035	0.000	0.1
1670	0.0	0.040	0.031	0.000	0.1
1675	0.0	0.035	0.028	0.000	0.0
1680	0.0	0.030	0.024	0.000	0.0
1685	0.0	0.026	0.020	0.000	0.0
1690	0.0	0.021	0.017	0.000	0.0
1695	0.0	0.017	0.013	0.000	0.0
1700	0.0	0.012	0.009	0.000	0.0
1705	0.0	0.007	0.006	0.000	0.0
1710	0.0	0.003	0.002	0.000	0.0
1715	0.0	0.001	0.001	0.000	0.0
1720	0.0	0.001	0.000	0.000	0.0
1725	0.0	0.000	0.000	0.000	0.0
1730	0.0	0.000	0.000	0.000	0.0
1735	0.0	0.000	0.000	0.000	0.0
1740	0.0	0.000	0.000	0.000	0.0
1745	0.0	0.000	0.000	0.000	0.0
1750	0.0	0.000	0.000	0.000	0.0
1755	0.0	0.000	0.000	0.000	0.0
1760	0.0	0.000	0.000	0.000	0.0
1765	0.0	0.000	0.000	0.000	0.0
1770	0.0	0.000	0.000	0.000	0.0
1775	0.0	0.000	0.000	0.000	0.0
1780	0.0	0.000	0.000	0.000	0.0
1785	0.0	0.000	0.000	0.000	0.0
1790	0.0	0.000	0.000	0.000	0.0
1795	0.0	0.000	0.000	0.000	0.0
1800	0.0	0.000	0.000	0.000	0.0
1805	0.0	0.000	0.000	0.000	0.0
1810	0.0	0.000	0.000	0.000	0.0
1815	0.0	0.000	0.000	0.000	0.0
1820	0.0	0.000	0.000	0.000	0.0
1825	0.0	0.000	0.000	0.000	0.0
1830	0.0	0.000	0.000	0.000	0.0
1835	0.0	0.000	0.000	0.000	0.0
1840	0.0	0.000	0.000	0.000	0.0
1845	0.0	0.000	0.000	0.000	0.0
1850	0.0	0.000	0.000	0.000	0.0
1855	0.0	0.000	0.000	0.000	0.0
1860	0.0	0.000	0.000	0.000	0.0
1865	0.0	0.000	0.000	0.000	0.0
1870	0.0	0.000	0.000	0.000	0.0
1875	0.0	0.000	0.000	0.000	0.0
1880	0.0	0.000	0.000	0.000	0.0
1885	0.0	0.000	0.000	0.000	0.0
1890	0.0	0.000	0.000	0.000	0.0
1895	0.0	0.000	0.000	0.000	0.0
1900	0.0	0.000	0.000	0.000	0.0
1905	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1910	0.0	0.000	0.000	0.000	0.0
1915	0.0	0.000	0.000	0.000	0.0
1920	0.0	0.000	0.000	0.000	0.0
1925	0.0	0.000	0.000	0.000	0.0
1930	0.0	0.000	0.000	0.000	0.0
1935	0.0	0.000	0.000	0.000	0.0
1940	0.0	0.000	0.000	0.000	0.0
1945	0.0	0.000	0.000	0.000	0.0
1950	0.0	0.000	0.000	0.000	0.0
1955	0.0	0.000	0.000	0.000	0.0
1960	0.0	0.000	0.000	0.000	0.0
1965	0.0	0.000	0.000	0.000	0.0
1970	0.0	0.000	0.000	0.000	0.0
1975	0.0	0.000	0.000	0.000	0.0
1980	0.0	0.000	0.000	0.000	0.0
1985	0.0	0.000	0.000	0.000	0.0
1990	0.0	0.000	0.000	0.000	0.0
1995	0.0	0.000	0.000	0.000	0.0
2000	0.0	0.000	0.000	0.000	0.0
2005	0.0	0.000	0.000	0.000	0.0
2010	0.0	0.000	0.000	0.000	0.0
2015	0.0	0.000	0.000	0.000	0.0
2020	0.0	0.000	0.000	0.000	0.0
2025	0.0	0.000	0.000	0.000	0.0
2030	0.0	0.000	0.000	0.000	0.0
2035	0.0	0.000	0.000	0.000	0.0
2040	0.0	0.000	0.000	0.000	0.0
2045	0.0	0.000	0.000	0.000	0.0
2050	0.0	0.000	0.000	0.000	0.0
2055	0.0	0.000	0.000	0.000	0.0
2060	0.0	0.000	0.000	0.000	0.0
2065	0.0	0.000	0.000	0.000	0.0
2070	0.0	0.000	0.000	0.000	0.0
2075	0.0	0.000	0.000	0.000	0.0
2080	0.0	0.000	0.000	0.000	0.0
2085	0.0	0.000	0.000	0.000	0.0
2090	0.0	0.000	0.000	0.000	0.0
2095	0.0	0.000	0.000	0.000	0.0
2100	0.0	0.000	0.000	0.000	0.0
2105	0.0	0.000	0.000	0.000	0.0
2110	0.0	0.000	0.000	0.000	0.0
2115	0.0	0.000	0.000	0.000	0.0
2120	0.0	0.000	0.000	0.000	0.0
2125	0.0	0.000	0.000	0.000	0.0
2130	0.0	0.000	0.000	0.000	0.0
2135	0.0	0.000	0.000	0.000	0.0
2140	0.0	0.000	0.000	0.000	0.0
2145	0.0	0.000	0.000	0.000	0.0
2150	0.0	0.000	0.000	0.000	0.0
2155	0.0	0.000	0.000	0.000	0.0
2160	0.0	0.000	0.000	0.000	0.0
2165	0.0	0.000	0.000	0.000	0.0
2170	0.0	0.000	0.000	0.000	0.0
2175	0.0	0.000	0.000	0.000	0.0
2180	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2185	0.0	0.000	0.000	0.000	0.0
2190	0.0	0.000	0.000	0.000	0.0
2195	0.0	0.000	0.000	0.000	0.0
2200	0.0	0.000	0.000	0.000	0.0
2205	0.0	0.000	0.000	0.000	0.0
2210	0.0	0.000	0.000	0.000	0.0
2215	0.0	0.000	0.000	0.000	0.0
2220	0.0	0.000	0.000	0.000	0.0
2225	0.0	0.000	0.000	0.000	0.0
2230	0.0	0.000	0.000	0.000	0.0
2235	0.0	0.000	0.000	0.000	0.0
2240	0.0	0.000	0.000	0.000	0.0
2245	0.0	0.000	0.000	0.000	0.0
2250	0.0	0.000	0.000	0.000	0.0
2255	0.0	0.000	0.000	0.000	0.0
2260	0.0	0.000	0.000	0.000	0.0
2265	0.0	0.000	0.000	0.000	0.0
2270	0.0	0.000	0.000	0.000	0.0
2275	0.0	0.000	0.000	0.000	0.0
2280	0.0	0.000	0.000	0.000	0.0
2285	0.0	0.000	0.000	0.000	0.0
2290	0.0	0.000	0.000	0.000	0.0
2295	0.0	0.000	0.000	0.000	0.0
2300	0.0	0.000	0.000	0.000	0.0
2305	0.0	0.000	0.000	0.000	0.0
2310	0.0	0.000	0.000	0.000	0.0
2315	0.0	0.000	0.000	0.000	0.0
2320	0.0	0.000	0.000	0.000	0.0
2325	0.0	0.000	0.000	0.000	0.0
2330	0.0	0.000	0.000	0.000	0.0
2335	0.0	0.000	0.000	0.000	0.0
2340	0.0	0.000	0.000	0.000	0.0
2345	0.0	0.000	0.000	0.000	0.0
2350	0.0	0.000	0.000	0.000	0.0
2355	0.0	0.000	0.000	0.000	0.0
2360	0.0	0.000	0.000	0.000	0.0
2365	0.0	0.000	0.000	0.000	0.0
2370	0.0	0.000	0.000	0.000	0.0
2375	0.0	0.000	0.000	0.000	0.0
2380	0.0	0.000	0.000	0.000	0.0
2385	0.0	0.000	0.000	0.000	0.0
2390	0.0	0.000	0.000	0.000	0.0
2395	0.0	0.000	0.000	0.000	0.0
2400	0.0	0.000	0.000	0.000	0.0
2405	0.0	0.000	0.000	0.000	0.0
2410	0.0	0.000	0.000	0.000	0.0
2415	0.0	0.000	0.000	0.000	0.0
2420	0.0	0.000	0.000	0.000	0.0
2425	0.0	0.000	0.000	0.000	0.0
2430	0.0	0.000	0.000	0.000	0.0
2435	0.0	0.000	0.000	0.000	0.0
2440	0.0	0.000	0.000	0.000	0.0
2445	0.0	0.000	0.000	0.000	0.0
2450	0.0	0.000	0.000	0.000	0.0
2455	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2460	0.0	0.000	0.000	0.000	0.0
2465	0.0	0.000	0.000	0.000	0.0
2470	0.0	0.000	0.000	0.000	0.0
2475	0.0	0.000	0.000	0.000	0.0
2480	0.0	0.000	0.000	0.000	0.0
2485	0.0	0.000	0.000	0.000	0.0
2490	0.0	0.000	0.000	0.000	0.0
2495	0.0	0.000	0.000	0.000	0.0
2500	0.0	0.000	0.000	0.000	0.0
2505	0.0	0.000	0.000	0.000	0.0
2510	0.0	0.000	0.000	0.000	0.0
2515	0.0	0.000	0.000	0.000	0.0
2520	0.0	0.000	0.000	0.000	0.0
2525	0.0	0.000	0.000	0.000	0.0
2530	0.0	0.000	0.000	0.000	0.0
2535	0.0	0.000	0.000	0.000	0.0
2540	0.0	0.000	0.000	0.000	0.0
2545	0.0	0.000	0.000	0.000	0.0
2550	0.0	0.000	0.000	0.000	0.0
2555	0.0	0.000	0.000	0.000	0.0
2560	0.0	0.000	0.000	0.000	0.0
2565	0.0	0.000	0.000	0.000	0.0
2570	0.0	0.000	0.000	0.000	0.0
2575	0.0	0.000	0.000	0.000	0.0
2580	0.0	0.000	0.000	0.000	0.0
2585	0.0	0.000	0.000	0.000	0.0
2590	0.0	0.000	0.000	0.000	0.0
2595	0.0	0.000	0.000	0.000	0.0
2600	0.0	0.000	0.000	0.000	0.0
2605	0.0	0.000	0.000	0.000	0.0
2610	0.0	0.000	0.000	0.000	0.0
2615	0.0	0.000	0.000	0.000	0.0
2620	0.0	0.000	0.000	0.000	0.0
2625	0.0	0.000	0.000	0.000	0.0
2630	0.0	0.000	0.000	0.000	0.0
2635	0.0	0.000	0.000	0.000	0.0
2640	0.0	0.000	0.000	0.000	0.0
2645	0.0	0.000	0.000	0.000	0.0
2650	0.0	0.000	0.000	0.000	0.0
2655	0.0	0.000	0.000	0.000	0.0
2660	0.0	0.000	0.000	0.000	0.0
2665	0.0	0.000	0.000	0.000	0.0
2670	0.0	0.000	0.000	0.000	0.0
2675	0.0	0.000	0.000	0.000	0.0
2680	0.0	0.000	0.000	0.000	0.0
2685	0.0	0.000	0.000	0.000	0.0
2690	0.0	0.000	0.000	0.000	0.0
2695	0.0	0.000	0.000	0.000	0.0
2700	0.0	0.000	0.000	0.000	0.0
2705	0.0	0.000	0.000	0.000	0.0
2710	0.0	0.000	0.000	0.000	0.0
2715	0.0	0.000	0.000	0.000	0.0
2720	0.0	0.000	0.000	0.000	0.0
2725	0.0	0.000	0.000	0.000	0.0
2730	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2735	0.0	0.000	0.000	0.000	0.0
2740	0.0	0.000	0.000	0.000	0.0
2745	0.0	0.000	0.000	0.000	0.0
2750	0.0	0.000	0.000	0.000	0.0
2755	0.0	0.000	0.000	0.000	0.0
2760	0.0	0.000	0.000	0.000	0.0
2765	0.0	0.000	0.000	0.000	0.0
2770	0.0	0.000	0.000	0.000	0.0
2775	0.0	0.000	0.000	0.000	0.0
2780	0.0	0.000	0.000	0.000	0.0
2785	0.0	0.000	0.000	0.000	0.0
2790	0.0	0.000	0.000	0.000	0.0
2795	0.0	0.000	0.000	0.000	0.0
2800	0.0	0.000	0.000	0.000	0.0
2805	0.0	0.000	0.000	0.000	0.0
2810	0.0	0.000	0.000	0.000	0.0
2815	0.0	0.000	0.000	0.000	0.0
2820	0.0	0.000	0.000	0.000	0.0
2825	0.0	0.000	0.000	0.000	0.0
2830	0.0	0.000	0.000	0.000	0.0
2835	0.0	0.000	0.000	0.000	0.0
2840	0.0	0.000	0.000	0.000	0.0
2845	0.0	0.000	0.000	0.000	0.0
2850	0.0	0.000	0.000	0.000	0.0
2855	0.0	0.000	0.000	0.000	0.0
2860	0.0	0.000	0.000	0.000	0.0
2865	0.0	0.000	0.000	0.000	0.0
2870	0.0	0.000	0.000	0.000	0.0
2875	0.0	0.000	0.000	0.000	0.0
2880	0.0	0.000	0.000	0.000	0.0

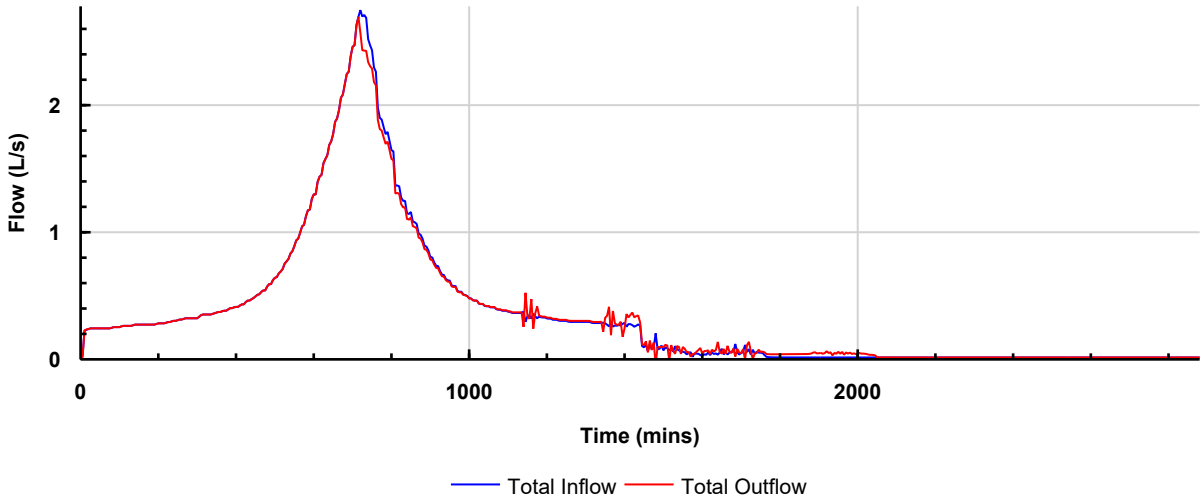
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH301 Type : Manhole

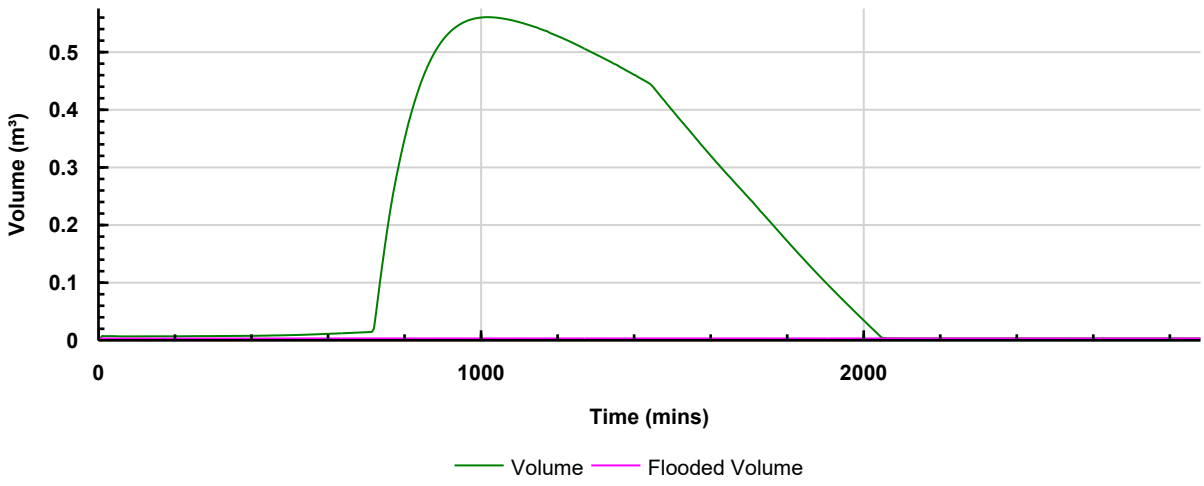
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

Graphs

Flow Graph

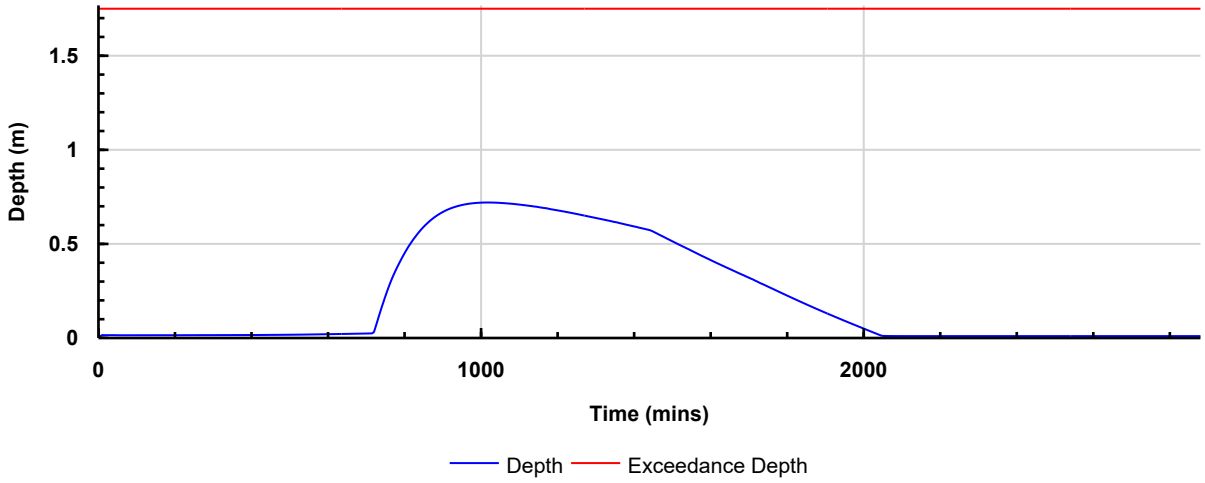


Volume Graph



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Depth Graph



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.0	0.000	0.000	0.000	0.0
10	0.2	0.006	0.004	0.000	0.2
15	0.2	0.005	0.004	0.000	0.2
20	0.2	0.005	0.004	0.000	0.2
25	0.2	0.005	0.004	0.000	0.2
30	0.2	0.005	0.004	0.000	0.2
35	0.2	0.005	0.004	0.000	0.2
40	0.2	0.005	0.004	0.000	0.2
45	0.2	0.005	0.004	0.000	0.2
50	0.2	0.005	0.004	0.000	0.2
55	0.2	0.005	0.004	0.000	0.2
60	0.2	0.005	0.004	0.000	0.2
65	0.2	0.005	0.004	0.000	0.2
70	0.2	0.005	0.004	0.000	0.2
75	0.2	0.005	0.004	0.000	0.2
80	0.2	0.005	0.004	0.000	0.2
85	0.2	0.005	0.004	0.000	0.2
90	0.2	0.005	0.004	0.000	0.2
95	0.2	0.005	0.004	0.000	0.2
100	0.2	0.005	0.004	0.000	0.2
105	0.2	0.005	0.004	0.000	0.2
110	0.2	0.005	0.004	0.000	0.2
115	0.2	0.005	0.004	0.000	0.3
120	0.2	0.005	0.004	0.000	0.3
125	0.2	0.005	0.004	0.000	0.3
130	0.2	0.005	0.004	0.000	0.3
135	0.3	0.005	0.004	0.000	0.3
140	0.3	0.005	0.004	0.000	0.3
145	0.3	0.005	0.004	0.000	0.3
150	0.3	0.005	0.004	0.000	0.3
155	0.3	0.005	0.004	0.000	0.3
160	0.3	0.005	0.004	0.000	0.3
165	0.3	0.005	0.004	0.000	0.3
170	0.3	0.005	0.004	0.000	0.3
175	0.3	0.005	0.004	0.000	0.3
180	0.3	0.005	0.004	0.000	0.3
185	0.3	0.005	0.004	0.000	0.3
190	0.3	0.005	0.004	0.000	0.3
195	0.3	0.005	0.004	0.000	0.3
200	0.3	0.005	0.004	0.000	0.3
205	0.3	0.005	0.004	0.000	0.3
210	0.3	0.005	0.004	0.000	0.3
215	0.3	0.005	0.004	0.000	0.3
220	0.3	0.005	0.004	0.000	0.3
225	0.3	0.005	0.004	0.000	0.3
230	0.3	0.005	0.004	0.000	0.3
235	0.3	0.005	0.004	0.000	0.3
240	0.3	0.005	0.004	0.000	0.3
245	0.3	0.005	0.004	0.000	0.3
250	0.3	0.005	0.004	0.000	0.3
255	0.3	0.005	0.004	0.000	0.3

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
260	0.3	0.005	0.004	0.000	0.3
265	0.3	0.005	0.004	0.000	0.3
270	0.3	0.005	0.004	0.000	0.3
275	0.3	0.005	0.004	0.000	0.3
280	0.3	0.005	0.004	0.000	0.3
285	0.3	0.005	0.004	0.000	0.3
290	0.3	0.005	0.004	0.000	0.3
295	0.3	0.005	0.004	0.000	0.3
300	0.3	0.005	0.004	0.000	0.3
305	0.3	0.005	0.004	0.000	0.3
310	0.3	0.005	0.004	0.000	0.3
315	0.3	0.005	0.004	0.000	0.3
320	0.3	0.005	0.004	0.000	0.3
325	0.3	0.005	0.004	0.000	0.3
330	0.3	0.005	0.004	0.000	0.3
335	0.3	0.005	0.004	0.000	0.3
340	0.3	0.006	0.004	0.000	0.3
345	0.3	0.006	0.004	0.000	0.3
350	0.4	0.006	0.004	0.000	0.4
355	0.4	0.006	0.004	0.000	0.4
360	0.4	0.006	0.004	0.000	0.4
365	0.4	0.006	0.004	0.000	0.4
370	0.4	0.006	0.004	0.000	0.4
375	0.4	0.006	0.004	0.000	0.4
380	0.4	0.006	0.005	0.000	0.4
385	0.4	0.006	0.005	0.000	0.4
390	0.4	0.006	0.005	0.000	0.4
395	0.4	0.006	0.005	0.000	0.4
400	0.4	0.006	0.005	0.000	0.4
405	0.4	0.006	0.005	0.000	0.4
410	0.4	0.006	0.005	0.000	0.4
415	0.4	0.006	0.005	0.000	0.4
420	0.4	0.006	0.005	0.000	0.4
425	0.4	0.006	0.005	0.000	0.4
430	0.4	0.006	0.005	0.000	0.4
435	0.4	0.006	0.005	0.000	0.5
440	0.5	0.006	0.005	0.000	0.5
445	0.5	0.006	0.005	0.000	0.5
450	0.5	0.007	0.005	0.000	0.5
455	0.5	0.007	0.005	0.000	0.5
460	0.5	0.007	0.005	0.000	0.5
465	0.5	0.007	0.005	0.000	0.5
470	0.5	0.007	0.005	0.000	0.5
475	0.5	0.007	0.005	0.000	0.5
480	0.6	0.007	0.005	0.000	0.6
485	0.6	0.007	0.006	0.000	0.6
490	0.6	0.007	0.006	0.000	0.6
495	0.6	0.007	0.006	0.000	0.6
500	0.6	0.007	0.006	0.000	0.6
505	0.6	0.007	0.006	0.000	0.6
510	0.7	0.008	0.006	0.000	0.7
515	0.7	0.008	0.006	0.000	0.7
520	0.7	0.008	0.006	0.000	0.7
525	0.7	0.008	0.006	0.000	0.7
530	0.8	0.008	0.006	0.000	0.8

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
535	0.8	0.008	0.006	0.000	0.8
540	0.8	0.008	0.007	0.000	0.8
545	0.8	0.008	0.007	0.000	0.8
550	0.9	0.009	0.007	0.000	0.9
555	0.9	0.009	0.007	0.000	0.9
560	0.9	0.009	0.007	0.000	0.9
565	1.0	0.009	0.007	0.000	1.0
570	1.0	0.009	0.007	0.000	1.0
575	1.0	0.009	0.007	0.000	1.0
580	1.1	0.010	0.008	0.000	1.1
585	1.2	0.010	0.008	0.000	1.2
590	1.2	0.010	0.008	0.000	1.2
595	1.3	0.010	0.008	0.000	1.3
600	1.3	0.010	0.008	0.000	1.3
605	1.3	0.010	0.008	0.000	1.3
610	1.4	0.011	0.008	0.000	1.4
615	1.4	0.011	0.008	0.000	1.4
620	1.4	0.011	0.008	0.000	1.4
625	1.5	0.011	0.009	0.000	1.5
630	1.6	0.011	0.009	0.000	1.6
635	1.6	0.011	0.009	0.000	1.6
640	1.7	0.012	0.009	0.000	1.7
645	1.7	0.012	0.009	0.000	1.7
650	1.8	0.012	0.009	0.000	1.8
655	1.9	0.012	0.010	0.000	1.9
660	1.9	0.012	0.010	0.000	1.9
665	2.0	0.013	0.010	0.000	2.0
670	2.1	0.013	0.010	0.000	2.1
675	2.1	0.013	0.010	0.000	2.1
680	2.2	0.013	0.010	0.000	2.2
685	2.2	0.013	0.010	0.000	2.2
690	2.3	0.013	0.011	0.000	2.3
695	2.4	0.014	0.011	0.000	2.4
700	2.5	0.014	0.011	0.000	2.5
705	2.5	0.014	0.011	0.000	2.5
710	2.6	0.014	0.011	0.000	2.6
715	2.7	0.015	0.011	0.000	2.7
720	2.7	0.022	0.017	0.000	2.6
725	2.7	0.054	0.042	0.000	2.4
730	2.7	0.087	0.068	0.000	2.4
735	2.7	0.121	0.095	0.000	2.4
740	2.5	0.153	0.120	0.000	2.3
745	2.5	0.184	0.144	0.000	2.3
750	2.4	0.214	0.168	0.000	2.3
755	2.3	0.243	0.191	0.000	2.2
760	2.3	0.271	0.213	0.000	2.2
765	2.0	0.297	0.233	0.000	1.9
770	1.9	0.321	0.252	0.000	1.8
775	1.9	0.344	0.270	0.000	1.8
780	1.8	0.365	0.287	0.000	1.7
785	1.8	0.386	0.303	0.000	1.7
790	1.8	0.406	0.318	0.000	1.7
795	1.7	0.425	0.333	0.000	1.6
800	1.6	0.443	0.348	0.000	1.6
805	1.6	0.461	0.362	0.000	1.6

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
810	1.4	0.478	0.375	0.000	1.3
815	1.4	0.493	0.387	0.000	1.3
820	1.4	0.508	0.399	0.000	1.3
825	1.3	0.523	0.410	0.000	1.2
830	1.2	0.536	0.421	0.000	1.2
835	1.2	0.549	0.431	0.000	1.2
840	1.1	0.562	0.441	0.000	1.1
845	1.1	0.573	0.450	0.000	1.1
850	1.2	0.584	0.459	0.000	1.1
855	1.1	0.595	0.467	0.000	1.0
860	1.1	0.604	0.474	0.000	1.0
865	1.1	0.614	0.482	0.000	1.0
870	1.0	0.622	0.489	0.000	0.9
875	1.0	0.630	0.495	0.000	0.9
880	0.9	0.638	0.501	0.000	0.9
885	0.9	0.645	0.506	0.000	0.9
890	0.9	0.652	0.511	0.000	0.9
895	0.8	0.658	0.516	0.000	0.8
900	0.8	0.664	0.521	0.000	0.8
905	0.8	0.669	0.525	0.000	0.8
910	0.8	0.674	0.529	0.000	0.7
915	0.7	0.678	0.532	0.000	0.7
920	0.7	0.682	0.536	0.000	0.7
925	0.7	0.686	0.539	0.000	0.7
930	0.7	0.690	0.541	0.000	0.6
935	0.7	0.693	0.544	0.000	0.6
940	0.6	0.696	0.546	0.000	0.6
945	0.6	0.698	0.548	0.000	0.6
950	0.6	0.701	0.550	0.000	0.6
955	0.6	0.703	0.552	0.000	0.6
960	0.6	0.705	0.553	0.000	0.6
965	0.6	0.706	0.555	0.000	0.6
970	0.5	0.708	0.556	0.000	0.5
975	0.5	0.709	0.557	0.000	0.5
980	0.5	0.710	0.558	0.000	0.5
985	0.5	0.711	0.558	0.000	0.5
990	0.5	0.712	0.559	0.000	0.5
995	0.5	0.713	0.560	0.000	0.5
1000	0.5	0.713	0.560	0.000	0.5
1005	0.5	0.714	0.560	0.000	0.5
1010	0.5	0.714	0.561	0.000	0.5
1015	0.4	0.714	0.561	0.000	0.4
1020	0.4	0.714	0.561	0.000	0.4
1025	0.4	0.714	0.561	0.000	0.4
1030	0.4	0.714	0.560	0.000	0.4
1035	0.4	0.713	0.560	0.000	0.4
1040	0.4	0.713	0.560	0.000	0.4
1045	0.4	0.713	0.559	0.000	0.4
1050	0.4	0.712	0.559	0.000	0.4
1055	0.4	0.711	0.558	0.000	0.4
1060	0.4	0.711	0.558	0.000	0.4
1065	0.4	0.710	0.557	0.000	0.4
1070	0.4	0.709	0.557	0.000	0.4
1075	0.4	0.708	0.556	0.000	0.4
1080	0.4	0.707	0.555	0.000	0.4

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1085	0.4	0.706	0.554	0.000	0.4
1090	0.4	0.705	0.554	0.000	0.4
1095	0.4	0.704	0.553	0.000	0.4
1100	0.4	0.703	0.552	0.000	0.4
1105	0.4	0.702	0.551	0.000	0.4
1110	0.4	0.701	0.550	0.000	0.4
1115	0.4	0.699	0.549	0.000	0.4
1120	0.4	0.698	0.548	0.000	0.4
1125	0.4	0.697	0.547	0.000	0.4
1130	0.4	0.695	0.546	0.000	0.4
1135	0.4	0.694	0.545	0.000	0.4
1140	0.4	0.692	0.544	0.000	0.2
1145	0.3	0.691	0.543	0.000	0.5
1150	0.3	0.690	0.541	0.000	0.3
1155	0.3	0.688	0.540	0.000	0.3
1160	0.3	0.686	0.539	0.000	0.5
1165	0.3	0.685	0.537	0.000	0.2
1170	0.3	0.684	0.537	0.000	0.3
1175	0.3	0.682	0.535	0.000	0.4
1180	0.3	0.679	0.533	0.000	0.3
1185	0.3	0.677	0.532	0.000	0.3
1190	0.3	0.676	0.530	0.000	0.3
1195	0.3	0.674	0.529	0.000	0.3
1200	0.3	0.672	0.528	0.000	0.3
1205	0.3	0.670	0.526	0.000	0.3
1210	0.3	0.668	0.525	0.000	0.3
1215	0.3	0.667	0.523	0.000	0.3
1220	0.3	0.665	0.522	0.000	0.3
1225	0.3	0.663	0.520	0.000	0.3
1230	0.3	0.661	0.519	0.000	0.3
1235	0.3	0.659	0.517	0.000	0.3
1240	0.3	0.657	0.516	0.000	0.3
1245	0.3	0.655	0.514	0.000	0.3
1250	0.3	0.653	0.512	0.000	0.3
1255	0.3	0.651	0.511	0.000	0.3
1260	0.3	0.648	0.509	0.000	0.3
1265	0.3	0.646	0.507	0.000	0.3
1270	0.3	0.644	0.506	0.000	0.3
1275	0.3	0.642	0.504	0.000	0.3
1280	0.3	0.640	0.502	0.000	0.3
1285	0.3	0.638	0.501	0.000	0.3
1290	0.3	0.636	0.499	0.000	0.3
1295	0.3	0.634	0.497	0.000	0.3
1300	0.3	0.631	0.496	0.000	0.3
1305	0.3	0.629	0.494	0.000	0.3
1310	0.3	0.627	0.492	0.000	0.3
1315	0.3	0.625	0.491	0.000	0.3
1320	0.3	0.623	0.489	0.000	0.3
1325	0.3	0.621	0.487	0.000	0.3
1330	0.3	0.619	0.486	0.000	0.3
1335	0.3	0.616	0.484	0.000	0.3
1340	0.3	0.614	0.482	0.000	0.3
1345	0.3	0.612	0.480	0.000	0.2
1350	0.3	0.610	0.479	0.000	0.3
1355	0.3	0.608	0.477	0.000	0.3

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1360	0.2	0.605	0.475	0.000	0.4
1365	0.3	0.603	0.473	0.000	0.2
1370	0.2	0.600	0.471	0.000	0.4
1375	0.3	0.598	0.469	0.000	0.3
1380	0.3	0.595	0.467	0.000	0.3
1385	0.3	0.593	0.466	0.000	0.3
1390	0.3	0.591	0.464	0.000	0.3
1395	0.3	0.589	0.462	0.000	0.2
1400	0.3	0.586	0.460	0.000	0.2
1405	0.2	0.584	0.459	0.000	0.3
1410	0.3	0.581	0.456	0.000	0.3
1415	0.3	0.579	0.454	0.000	0.3
1420	0.3	0.576	0.453	0.000	0.4
1425	0.2	0.574	0.451	0.000	0.3
1430	0.3	0.572	0.449	0.000	0.3
1435	0.3	0.569	0.447	0.000	0.3
1440	0.3	0.567	0.445	0.000	0.3
1445	0.1	0.563	0.442	0.000	0.1
1450	0.1	0.558	0.438	0.000	0.1
1455	0.1	0.553	0.434	0.000	0.1
1460	0.0	0.548	0.430	0.000	0.0
1465	0.1	0.543	0.426	0.000	0.1
1470	0.1	0.538	0.422	0.000	0.1
1475	0.1	0.532	0.418	0.000	0.1
1480	0.2	0.528	0.414	0.000	-0.1
1485	0.1	0.522	0.410	0.000	0.1
1490	0.1	0.517	0.406	0.000	0.1
1495	0.1	0.512	0.402	0.000	0.1
1500	0.1	0.507	0.398	0.000	0.1
1505	0.1	0.502	0.394	0.000	0.1
1510	0.1	0.496	0.390	0.000	0.1
1515	0.1	0.491	0.386	0.000	-0.0
1520	0.1	0.486	0.382	0.000	0.1
1525	0.0	0.481	0.378	0.000	0.1
1530	0.1	0.476	0.374	0.000	0.0
1535	0.1	0.471	0.370	0.000	0.1
1540	0.1	0.467	0.366	0.000	0.1
1545	0.0	0.461	0.362	0.000	0.0
1550	0.0	0.456	0.358	0.000	0.1
1555	0.0	0.451	0.354	0.000	0.1
1560	0.0	0.446	0.350	0.000	0.0
1565	0.0	0.441	0.346	0.000	0.0
1570	0.0	0.436	0.342	0.000	0.0
1575	0.0	0.431	0.338	0.000	0.0
1580	0.0	0.426	0.334	0.000	0.0
1585	0.0	0.421	0.331	0.000	0.0
1590	0.0	0.416	0.327	0.000	0.1
1595	0.0	0.411	0.323	0.000	0.1
1600	0.0	0.406	0.319	0.000	0.0
1605	0.0	0.401	0.315	0.000	0.1
1610	0.0	0.397	0.311	0.000	0.1
1615	0.0	0.392	0.307	0.000	0.1
1620	0.0	0.387	0.304	0.000	0.0
1625	0.0	0.382	0.300	0.000	0.1
1630	0.0	0.377	0.296	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1635	0.0	0.373	0.293	0.000	0.1
1640	0.0	0.368	0.289	0.000	0.1
1645	0.0	0.363	0.285	0.000	0.0
1650	0.1	0.359	0.282	0.000	0.0
1655	0.0	0.354	0.278	0.000	0.1
1660	0.0	0.349	0.274	0.000	0.0
1665	0.0	0.345	0.270	0.000	0.1
1670	0.0	0.340	0.267	0.000	0.0
1675	0.0	0.335	0.263	0.000	0.0
1680	0.0	0.330	0.259	0.000	0.1
1685	0.1	0.326	0.256	0.000	0.0
1690	0.0	0.321	0.252	0.000	0.1
1695	0.0	0.317	0.249	0.000	0.0
1700	0.0	0.312	0.245	0.000	0.0
1705	0.0	0.307	0.241	0.000	0.1
1710	0.1	0.303	0.238	0.000	-0.0
1715	0.0	0.298	0.234	0.000	0.1
1720	0.1	0.293	0.230	0.000	0.1
1725	0.0	0.288	0.226	0.000	0.0
1730	0.1	0.283	0.222	0.000	-0.0
1735	0.0	0.279	0.219	0.000	0.0
1740	0.0	0.274	0.215	0.000	0.0
1745	0.0	0.269	0.211	0.000	0.1
1750	0.0	0.264	0.207	0.000	0.0
1755	0.0	0.260	0.204	0.000	0.0
1760	0.0	0.255	0.200	0.000	0.0
1765	0.0	0.250	0.196	0.000	0.0
1770	0.0	0.245	0.192	0.000	0.0
1775	0.0	0.240	0.189	0.000	0.0
1780	0.0	0.235	0.185	0.000	0.0
1785	0.0	0.231	0.181	0.000	0.0
1790	0.0	0.226	0.177	0.000	0.0
1795	0.0	0.221	0.174	0.000	0.0
1800	0.0	0.216	0.170	0.000	0.0
1805	0.0	0.212	0.166	0.000	0.0
1810	0.0	0.207	0.162	0.000	0.0
1815	0.0	0.202	0.159	0.000	0.0
1820	0.0	0.198	0.155	0.000	0.0
1825	0.0	0.193	0.151	0.000	0.0
1830	0.0	0.188	0.148	0.000	0.0
1835	0.0	0.184	0.144	0.000	0.0
1840	0.0	0.179	0.141	0.000	0.0
1845	0.0	0.174	0.137	0.000	0.0
1850	0.0	0.170	0.133	0.000	0.0
1855	0.0	0.165	0.130	0.000	0.0
1860	0.0	0.161	0.126	0.000	0.0
1865	0.0	0.156	0.123	0.000	0.0
1870	0.0	0.152	0.119	0.000	0.0
1875	0.0	0.147	0.115	0.000	0.0
1880	0.0	0.143	0.112	0.000	0.0
1885	0.0	0.138	0.108	0.000	0.0
1890	0.0	0.134	0.105	0.000	0.0
1895	0.0	0.129	0.102	0.000	0.0
1900	0.0	0.125	0.098	0.000	0.0
1905	0.0	0.121	0.095	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1910	0.0	0.116	0.091	0.000	0.0
1915	0.0	0.112	0.088	0.000	0.0
1920	0.0	0.108	0.084	0.000	0.0
1925	0.0	0.103	0.081	0.000	0.0
1930	0.0	0.099	0.078	0.000	0.0
1935	0.0	0.095	0.074	0.000	0.0
1940	0.0	0.090	0.071	0.000	0.0
1945	0.0	0.086	0.068	0.000	0.0
1950	0.0	0.082	0.064	0.000	0.0
1955	0.0	0.078	0.061	0.000	0.0
1960	0.0	0.073	0.058	0.000	0.0
1965	0.0	0.069	0.054	0.000	0.0
1970	0.0	0.065	0.051	0.000	0.0
1975	0.0	0.061	0.048	0.000	0.0
1980	0.0	0.057	0.045	0.000	0.0
1985	0.0	0.053	0.041	0.000	0.0
1990	0.0	0.048	0.038	0.000	0.0
1995	0.0	0.044	0.035	0.000	0.0
2000	0.0	0.040	0.032	0.000	0.0
2005	0.0	0.036	0.028	0.000	0.0
2010	0.0	0.032	0.025	0.000	0.0
2015	0.0	0.028	0.022	0.000	0.0
2020	0.0	0.024	0.019	0.000	0.0
2025	0.0	0.020	0.015	0.000	0.0
2030	0.0	0.016	0.012	0.000	0.0
2035	0.0	0.011	0.009	0.000	0.0
2040	0.0	0.007	0.006	0.000	0.0
2045	0.0	0.003	0.003	0.000	0.0
2050	0.0	0.001	0.001	0.000	0.0
2055	0.0	0.001	0.001	0.000	0.0
2060	0.0	0.001	0.000	0.000	0.0
2065	0.0	0.000	0.000	0.000	0.0
2070	0.0	0.000	0.000	0.000	0.0
2075	0.0	0.000	0.000	0.000	0.0
2080	0.0	0.000	0.000	0.000	0.0
2085	0.0	0.000	0.000	0.000	0.0
2090	0.0	0.000	0.000	0.000	0.0
2095	0.0	0.000	0.000	0.000	0.0
2100	0.0	0.000	0.000	0.000	0.0
2105	0.0	0.000	0.000	0.000	0.0
2110	0.0	0.000	0.000	0.000	0.0
2115	0.0	0.000	0.000	0.000	0.0
2120	0.0	0.000	0.000	0.000	0.0
2125	0.0	0.000	0.000	0.000	0.0
2130	0.0	0.000	0.000	0.000	0.0
2135	0.0	0.000	0.000	0.000	0.0
2140	0.0	0.000	0.000	0.000	0.0
2145	0.0	0.000	0.000	0.000	0.0
2150	0.0	0.000	0.000	0.000	0.0
2155	0.0	0.000	0.000	0.000	0.0
2160	0.0	0.000	0.000	0.000	0.0
2165	0.0	0.000	0.000	0.000	0.0
2170	0.0	0.000	0.000	0.000	0.0
2175	0.0	0.000	0.000	0.000	0.0
2180	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2185	0.0	0.000	0.000	0.000	0.0
2190	0.0	0.000	0.000	0.000	0.0
2195	0.0	0.000	0.000	0.000	0.0
2200	0.0	0.000	0.000	0.000	0.0
2205	0.0	0.000	0.000	0.000	0.0
2210	0.0	0.000	0.000	0.000	0.0
2215	0.0	0.000	0.000	0.000	0.0
2220	0.0	0.000	0.000	0.000	0.0
2225	0.0	0.000	0.000	0.000	0.0
2230	0.0	0.000	0.000	0.000	0.0
2235	0.0	0.000	0.000	0.000	0.0
2240	0.0	0.000	0.000	0.000	0.0
2245	0.0	0.000	0.000	0.000	0.0
2250	0.0	0.000	0.000	0.000	0.0
2255	0.0	0.000	0.000	0.000	0.0
2260	0.0	0.000	0.000	0.000	0.0
2265	0.0	0.000	0.000	0.000	0.0
2270	0.0	0.000	0.000	0.000	0.0
2275	0.0	0.000	0.000	0.000	0.0
2280	0.0	0.000	0.000	0.000	0.0
2285	0.0	0.000	0.000	0.000	0.0
2290	0.0	0.000	0.000	0.000	0.0
2295	0.0	0.000	0.000	0.000	0.0
2300	0.0	0.000	0.000	0.000	0.0
2305	0.0	0.000	0.000	0.000	0.0
2310	0.0	0.000	0.000	0.000	0.0
2315	0.0	0.000	0.000	0.000	0.0
2320	0.0	0.000	0.000	0.000	0.0
2325	0.0	0.000	0.000	0.000	0.0
2330	0.0	0.000	0.000	0.000	0.0
2335	0.0	0.000	0.000	0.000	0.0
2340	0.0	0.000	0.000	0.000	0.0
2345	0.0	0.000	0.000	0.000	0.0
2350	0.0	0.000	0.000	0.000	0.0
2355	0.0	0.000	0.000	0.000	0.0
2360	0.0	0.000	0.000	0.000	0.0
2365	0.0	0.000	0.000	0.000	0.0
2370	0.0	0.000	0.000	0.000	0.0
2375	0.0	0.000	0.000	0.000	0.0
2380	0.0	0.000	0.000	0.000	0.0
2385	0.0	0.000	0.000	0.000	0.0
2390	0.0	0.000	0.000	0.000	0.0
2395	0.0	0.000	0.000	0.000	0.0
2400	0.0	0.000	0.000	0.000	0.0
2405	0.0	0.000	0.000	0.000	0.0
2410	0.0	0.000	0.000	0.000	0.0
2415	0.0	0.000	0.000	0.000	0.0
2420	0.0	0.000	0.000	0.000	0.0
2425	0.0	0.000	0.000	0.000	0.0
2430	0.0	0.000	0.000	0.000	0.0
2435	0.0	0.000	0.000	0.000	0.0
2440	0.0	0.000	0.000	0.000	0.0
2445	0.0	0.000	0.000	0.000	0.0
2450	0.0	0.000	0.000	0.000	0.0
2455	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2460	0.0	0.000	0.000	0.000	0.0
2465	0.0	0.000	0.000	0.000	0.0
2470	0.0	0.000	0.000	0.000	0.0
2475	0.0	0.000	0.000	0.000	0.0
2480	0.0	0.000	0.000	0.000	0.0
2485	0.0	0.000	0.000	0.000	0.0
2490	0.0	0.000	0.000	0.000	0.0
2495	0.0	0.000	0.000	0.000	0.0
2500	0.0	0.000	0.000	0.000	0.0
2505	0.0	0.000	0.000	0.000	0.0
2510	0.0	0.000	0.000	0.000	0.0
2515	0.0	0.000	0.000	0.000	0.0
2520	0.0	0.000	0.000	0.000	0.0
2525	0.0	0.000	0.000	0.000	0.0
2530	0.0	0.000	0.000	0.000	0.0
2535	0.0	0.000	0.000	0.000	0.0
2540	0.0	0.000	0.000	0.000	0.0
2545	0.0	0.000	0.000	0.000	0.0
2550	0.0	0.000	0.000	0.000	0.0
2555	0.0	0.000	0.000	0.000	0.0
2560	0.0	0.000	0.000	0.000	0.0
2565	0.0	0.000	0.000	0.000	0.0
2570	0.0	0.000	0.000	0.000	0.0
2575	0.0	0.000	0.000	0.000	0.0
2580	0.0	0.000	0.000	0.000	0.0
2585	0.0	0.000	0.000	0.000	0.0
2590	0.0	0.000	0.000	0.000	0.0
2595	0.0	0.000	0.000	0.000	0.0
2600	0.0	0.000	0.000	0.000	0.0
2605	0.0	0.000	0.000	0.000	0.0
2610	0.0	0.000	0.000	0.000	0.0
2615	0.0	0.000	0.000	0.000	0.0
2620	0.0	0.000	0.000	0.000	0.0
2625	0.0	0.000	0.000	0.000	0.0
2630	0.0	0.000	0.000	0.000	0.0
2635	0.0	0.000	0.000	0.000	0.0
2640	0.0	0.000	0.000	0.000	0.0
2645	0.0	0.000	0.000	0.000	0.0
2650	0.0	0.000	0.000	0.000	0.0
2655	0.0	0.000	0.000	0.000	0.0
2660	0.0	0.000	0.000	0.000	0.0
2665	0.0	0.000	0.000	0.000	0.0
2670	0.0	0.000	0.000	0.000	0.0
2675	0.0	0.000	0.000	0.000	0.0
2680	0.0	0.000	0.000	0.000	0.0
2685	0.0	0.000	0.000	0.000	0.0
2690	0.0	0.000	0.000	0.000	0.0
2695	0.0	0.000	0.000	0.000	0.0
2700	0.0	0.000	0.000	0.000	0.0
2705	0.0	0.000	0.000	0.000	0.0
2710	0.0	0.000	0.000	0.000	0.0
2715	0.0	0.000	0.000	0.000	0.0
2720	0.0	0.000	0.000	0.000	0.0
2725	0.0	0.000	0.000	0.000	0.0
2730	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

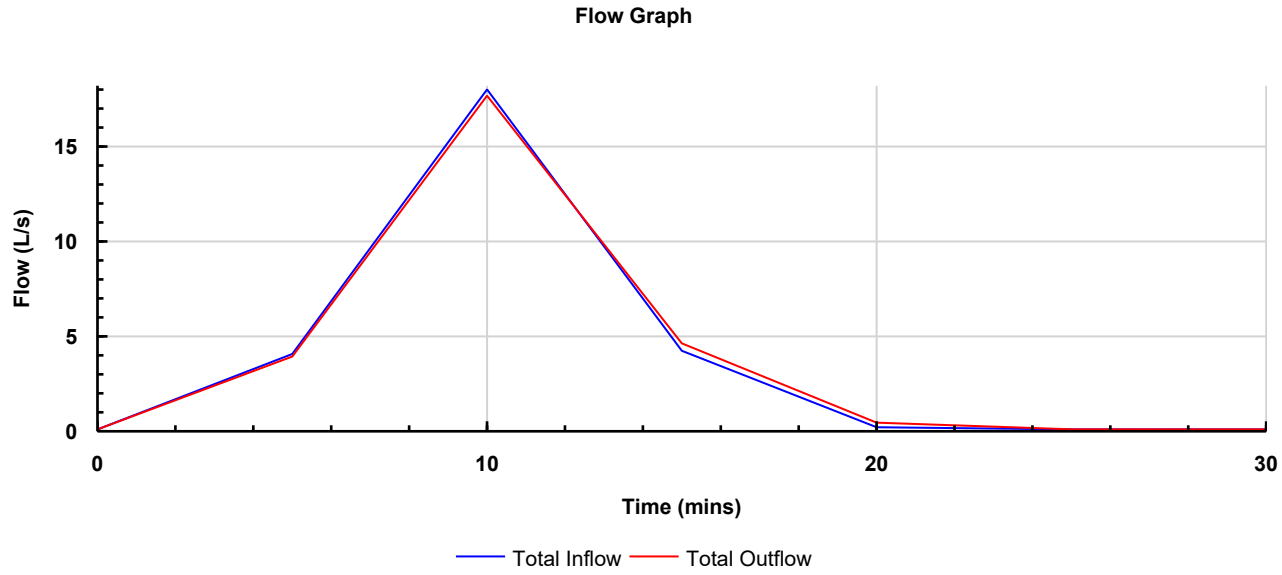
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2735	0.0	0.000	0.000	0.000	0.0
2740	0.0	0.000	0.000	0.000	0.0
2745	0.0	0.000	0.000	0.000	0.0
2750	0.0	0.000	0.000	0.000	0.0
2755	0.0	0.000	0.000	0.000	0.0
2760	0.0	0.000	0.000	0.000	0.0
2765	0.0	0.000	0.000	0.000	0.0
2770	0.0	0.000	0.000	0.000	0.0
2775	0.0	0.000	0.000	0.000	0.0
2780	0.0	0.000	0.000	0.000	0.0
2785	0.0	0.000	0.000	0.000	0.0
2790	0.0	0.000	0.000	0.000	0.0
2795	0.0	0.000	0.000	0.000	0.0
2800	0.0	0.000	0.000	0.000	0.0
2805	0.0	0.000	0.000	0.000	0.0
2810	0.0	0.000	0.000	0.000	0.0
2815	0.0	0.000	0.000	0.000	0.0
2820	0.0	0.000	0.000	0.000	0.0
2825	0.0	0.000	0.000	0.000	0.0
2830	0.0	0.000	0.000	0.000	0.0
2835	0.0	0.000	0.000	0.000	0.0
2840	0.0	0.000	0.000	0.000	0.0
2845	0.0	0.000	0.000	0.000	0.0
2850	0.0	0.000	0.000	0.000	0.0
2855	0.0	0.000	0.000	0.000	0.0
2860	0.0	0.000	0.000	0.000	0.0
2865	0.0	0.000	0.000	0.000	0.0
2870	0.0	0.000	0.000	0.000	0.0
2875	0.0	0.000	0.000	0.000	0.0
2880	0.0	0.000	0.000	0.000	0.0

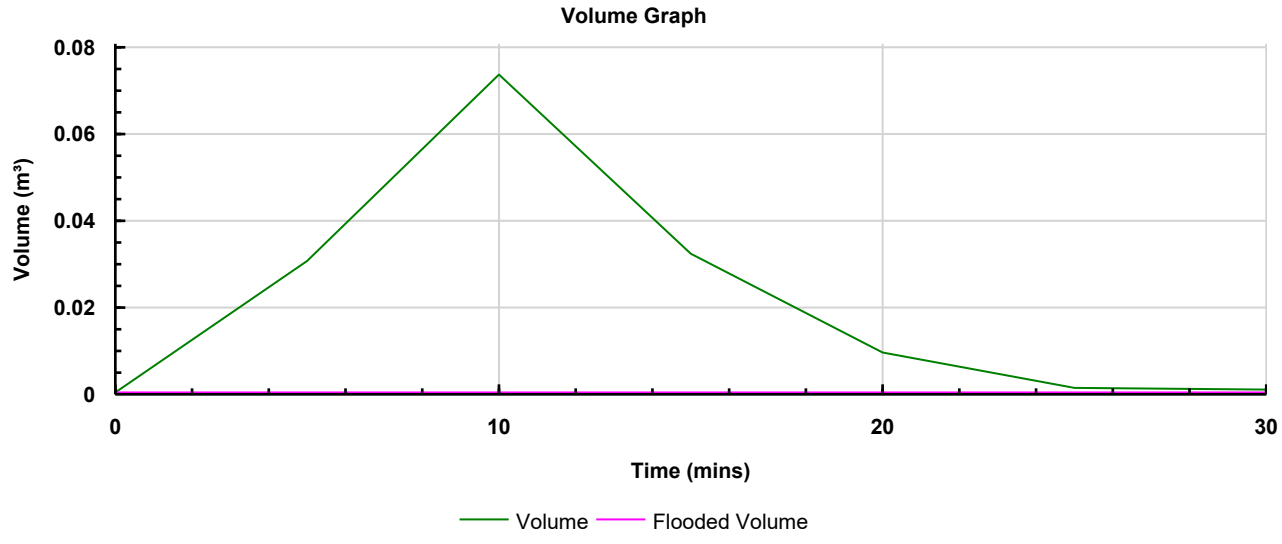
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SIC304 Type : Manhole

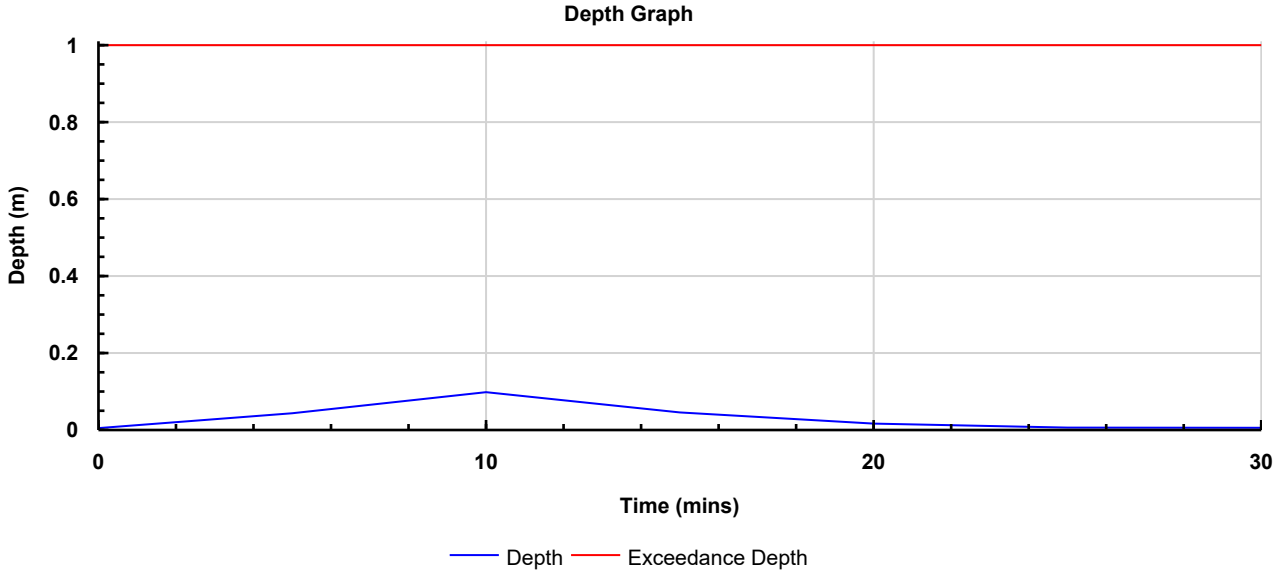
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

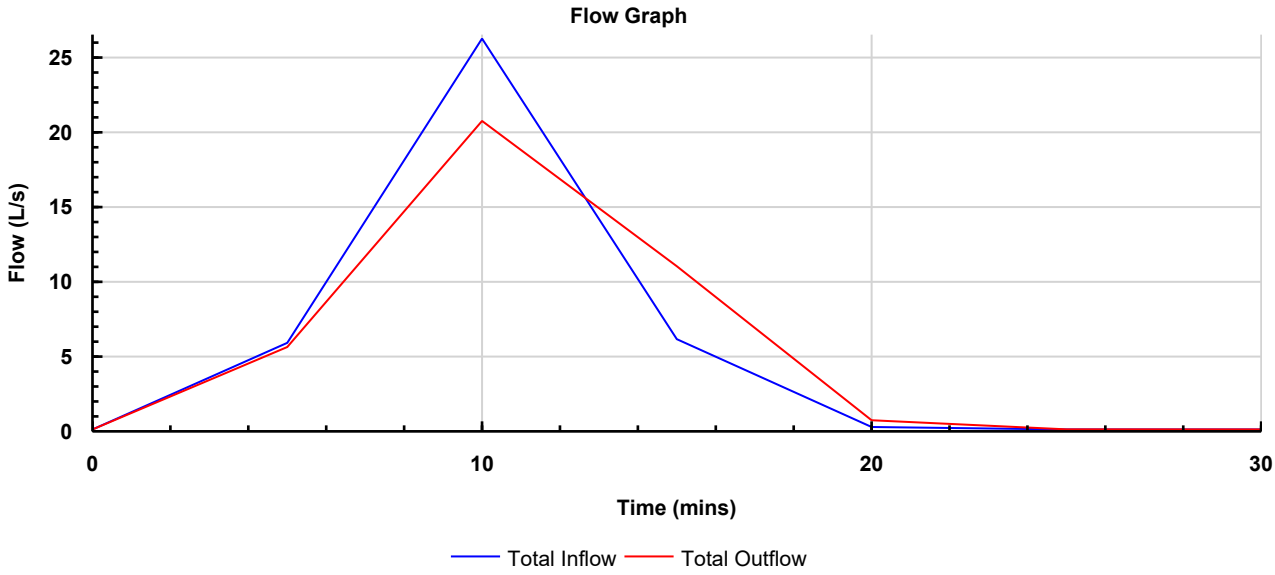
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	4.0	0.039	0.030	0.000	3.9
10	18.0	0.094	0.074	0.000	17.7
15	4.2	0.041	0.032	0.000	4.6
20	0.1	0.012	0.009	0.000	0.4
25	0.0	0.001	0.001	0.000	0.0
30	0.0	0.001	0.001	0.000	0.0

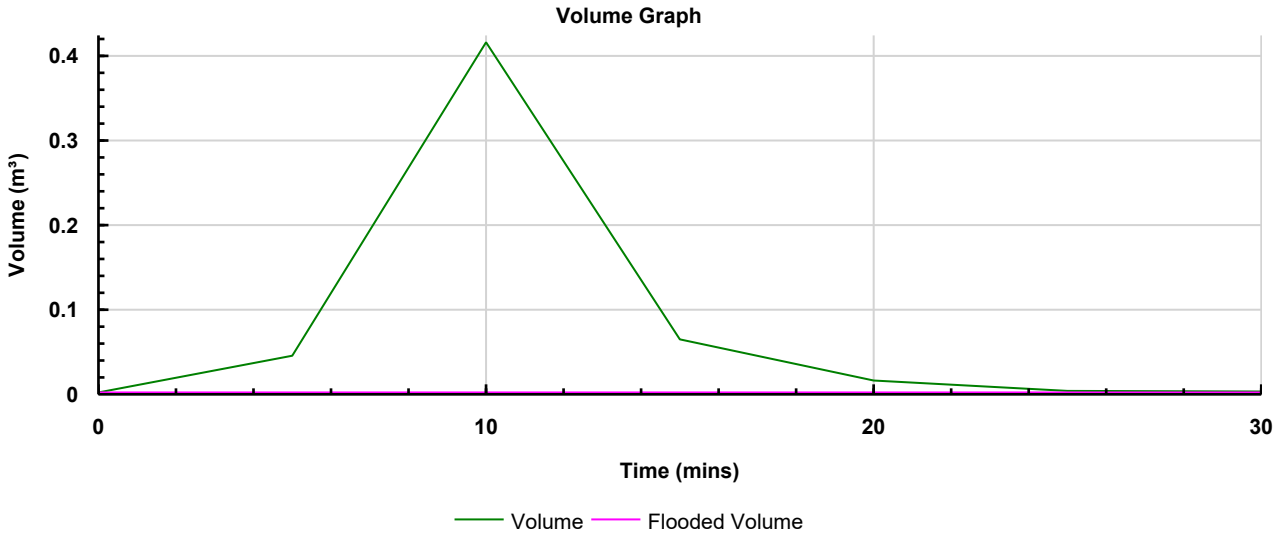
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SIC301 Type : Manhole

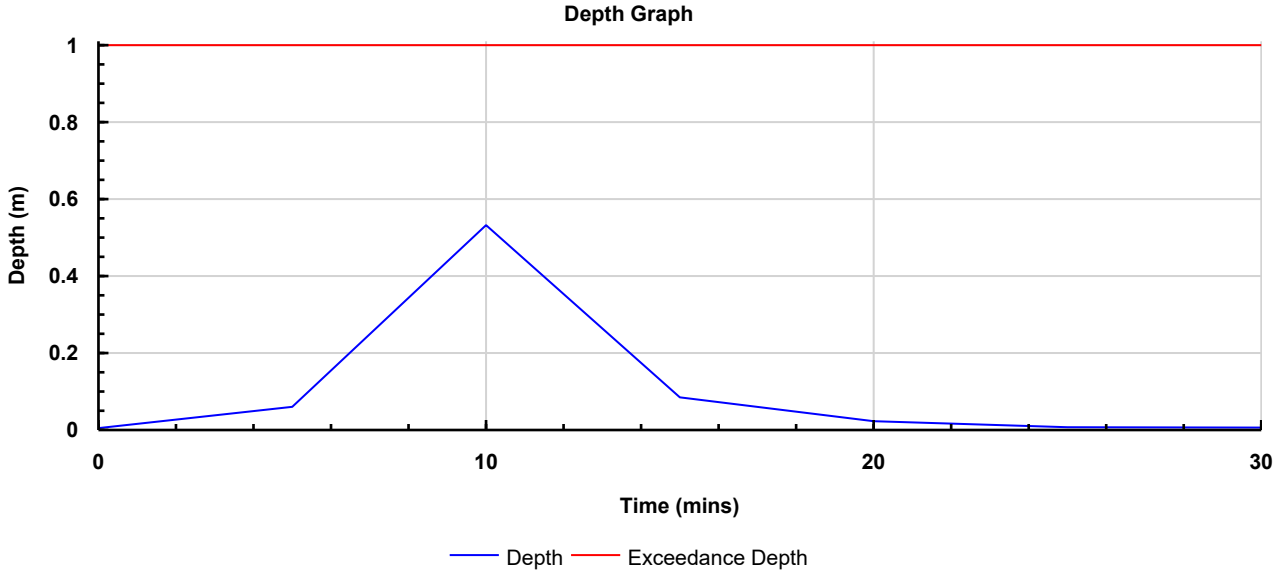
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

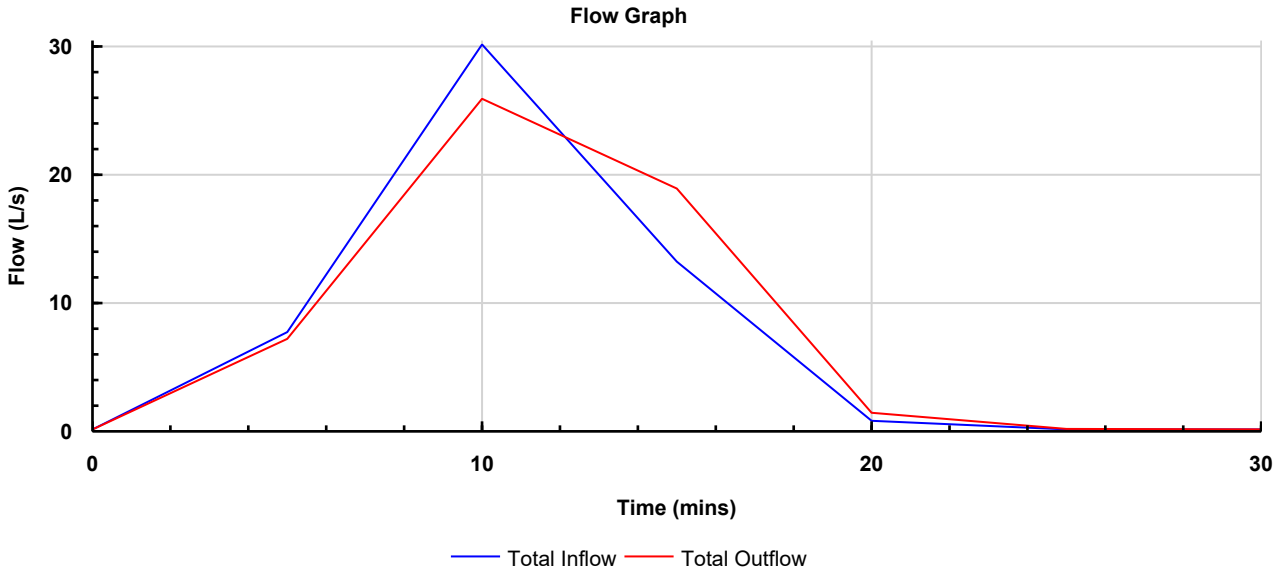
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	5.8	0.056	0.044	0.000	5.5
10	26.3	0.530	0.416	0.000	20.7
15	6.1	0.080	0.063	0.000	11.0
20	0.2	0.018	0.014	0.000	0.6
25	0.0	0.002	0.002	0.000	0.0
30	0.0	0.001	0.001	0.000	0.0

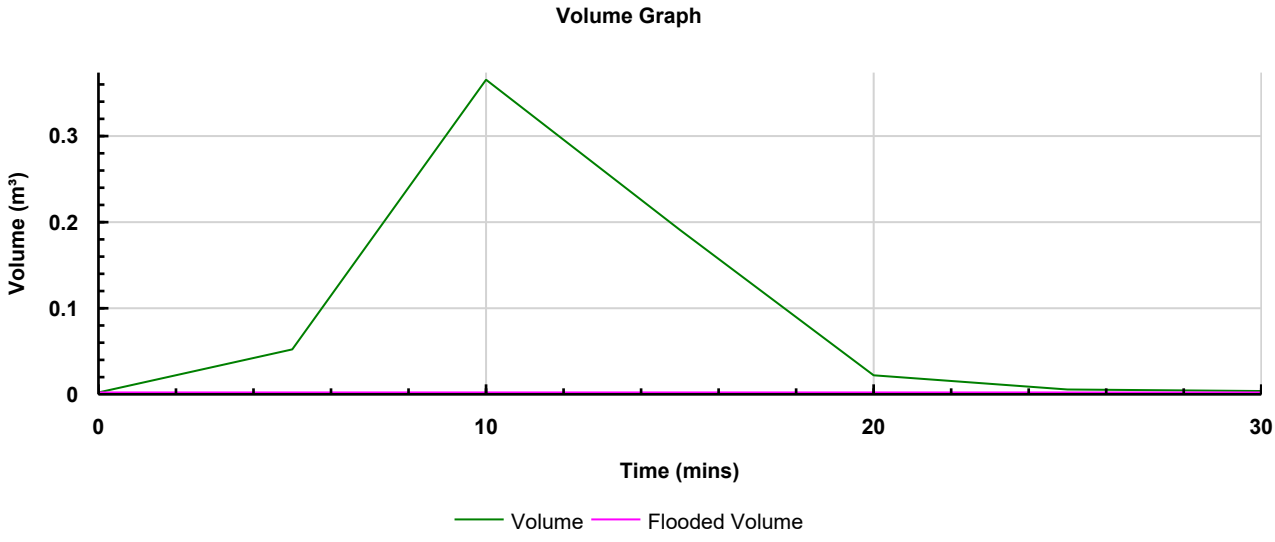
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH303 Type : Manhole

Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

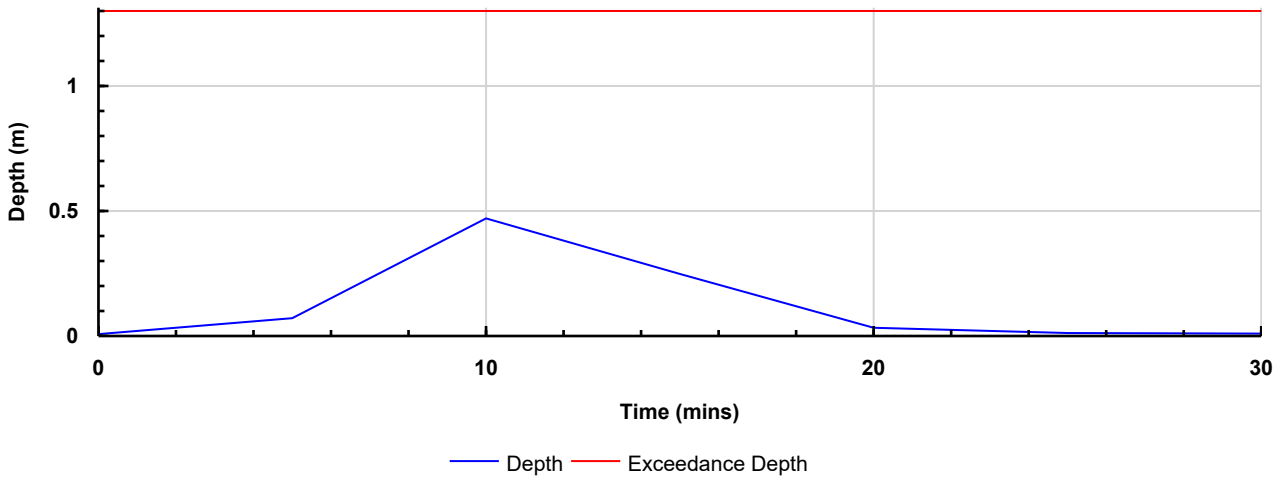
Graphs





Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Depth Graph



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	7.6	0.064	0.050	0.000	7.1
10	30.2	0.466	0.365	0.000	25.9
15	13.1	0.242	0.190	0.000	18.9
20	0.7	0.026	0.020	0.000	1.3
25	0.0	0.004	0.003	0.000	0.0
30	0.0	0.002	0.002	0.000	0.0

Project - 2080:	Date:		
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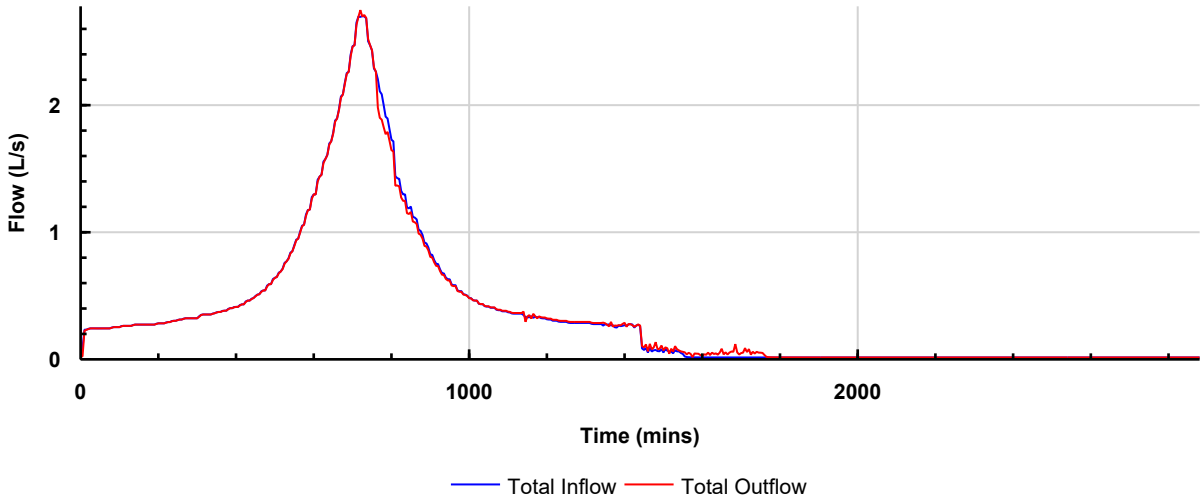
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH302 Type : Manhole

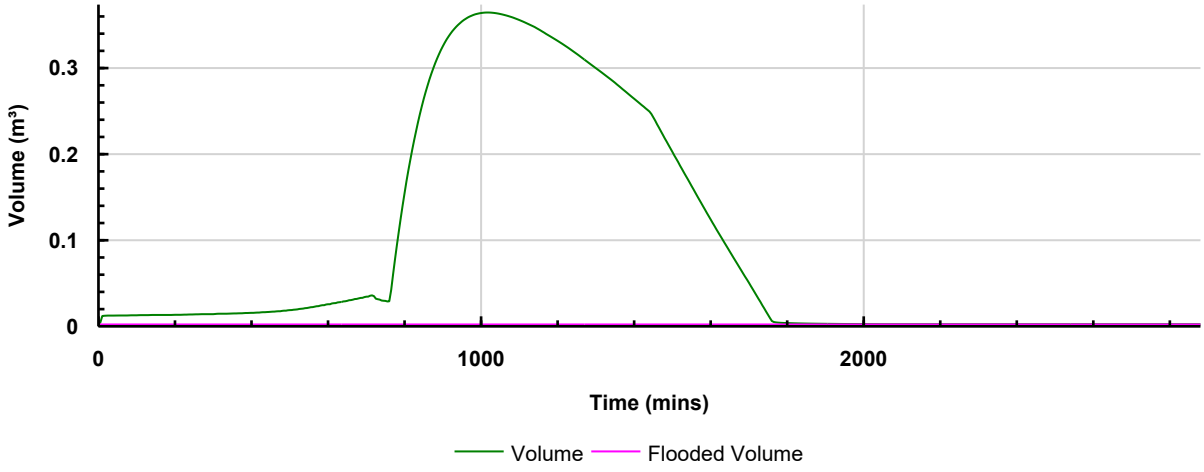
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

Graphs

Flow Graph



Volume Graph



Project - 2080:	Date:		
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Report Details:	Company Address:		
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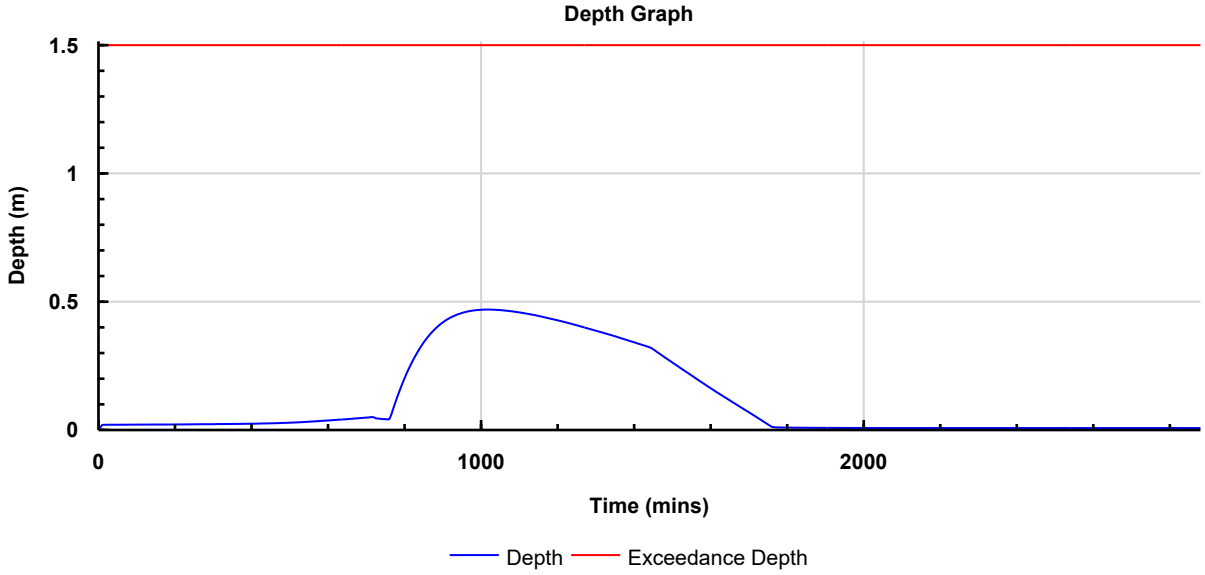

Project - 2080:	Date:		
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	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.1	0.003	0.002	0.000	0.0
10	0.2	0.013	0.010	0.000	0.2
15	0.2	0.013	0.010	0.000	0.2
20	0.2	0.013	0.010	0.000	0.2
25	0.2	0.013	0.010	0.000	0.2
30	0.2	0.013	0.010	0.000	0.2
35	0.2	0.013	0.010	0.000	0.2
40	0.2	0.013	0.010	0.000	0.2
45	0.2	0.013	0.010	0.000	0.2
50	0.2	0.013	0.010	0.000	0.2
55	0.2	0.013	0.010	0.000	0.2
60	0.2	0.013	0.010	0.000	0.2
65	0.2	0.013	0.010	0.000	0.2
70	0.2	0.013	0.010	0.000	0.2
75	0.2	0.013	0.010	0.000	0.2
80	0.2	0.013	0.011	0.000	0.2
85	0.2	0.014	0.011	0.000	0.2
90	0.2	0.014	0.011	0.000	0.2
95	0.2	0.014	0.011	0.000	0.2
100	0.2	0.014	0.011	0.000	0.2
105	0.2	0.014	0.011	0.000	0.2
110	0.2	0.014	0.011	0.000	0.2
115	0.2	0.014	0.011	0.000	0.2
120	0.2	0.014	0.011	0.000	0.2
125	0.2	0.014	0.011	0.000	0.2
130	0.2	0.014	0.011	0.000	0.2
135	0.3	0.014	0.011	0.000	0.3
140	0.3	0.014	0.011	0.000	0.3
145	0.3	0.014	0.011	0.000	0.3
150	0.3	0.014	0.011	0.000	0.3
155	0.3	0.014	0.011	0.000	0.3
160	0.3	0.014	0.011	0.000	0.3
165	0.3	0.014	0.011	0.000	0.3
170	0.3	0.014	0.011	0.000	0.3
175	0.3	0.014	0.011	0.000	0.3
180	0.3	0.014	0.011	0.000	0.3
185	0.3	0.014	0.011	0.000	0.3
190	0.3	0.014	0.011	0.000	0.3
195	0.3	0.014	0.011	0.000	0.3
200	0.3	0.014	0.011	0.000	0.3
205	0.3	0.014	0.011	0.000	0.3
210	0.3	0.014	0.011	0.000	0.3
215	0.3	0.014	0.011	0.000	0.3
220	0.3	0.014	0.011	0.000	0.3
225	0.3	0.015	0.011	0.000	0.3
230	0.3	0.015	0.011	0.000	0.3
235	0.3	0.015	0.012	0.000	0.3
240	0.3	0.015	0.012	0.000	0.3
245	0.3	0.015	0.012	0.000	0.3
250	0.3	0.015	0.012	0.000	0.3
255	0.3	0.015	0.012	0.000	0.3

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
260	0.3	0.015	0.012	0.000	0.3
265	0.3	0.015	0.012	0.000	0.3
270	0.3	0.015	0.012	0.000	0.3
275	0.3	0.015	0.012	0.000	0.3
280	0.3	0.015	0.012	0.000	0.3
285	0.3	0.015	0.012	0.000	0.3
290	0.3	0.015	0.012	0.000	0.3
295	0.3	0.015	0.012	0.000	0.3
300	0.3	0.015	0.012	0.000	0.3
305	0.3	0.016	0.012	0.000	0.3
310	0.3	0.016	0.012	0.000	0.3
315	0.3	0.016	0.013	0.000	0.3
320	0.3	0.016	0.013	0.000	0.3
325	0.3	0.016	0.013	0.000	0.3
330	0.3	0.016	0.013	0.000	0.3
335	0.3	0.016	0.013	0.000	0.3
340	0.3	0.016	0.013	0.000	0.3
345	0.3	0.016	0.013	0.000	0.3
350	0.4	0.016	0.013	0.000	0.4
355	0.4	0.016	0.013	0.000	0.4
360	0.4	0.016	0.013	0.000	0.4
365	0.4	0.017	0.013	0.000	0.4
370	0.4	0.017	0.013	0.000	0.4
375	0.4	0.017	0.013	0.000	0.4
380	0.4	0.017	0.013	0.000	0.4
385	0.4	0.017	0.013	0.000	0.4
390	0.4	0.017	0.013	0.000	0.4
395	0.4	0.017	0.013	0.000	0.4
400	0.4	0.017	0.014	0.000	0.4
405	0.4	0.017	0.014	0.000	0.4
410	0.4	0.017	0.014	0.000	0.4
415	0.4	0.018	0.014	0.000	0.4
420	0.4	0.018	0.014	0.000	0.4
425	0.4	0.018	0.014	0.000	0.4
430	0.4	0.018	0.014	0.000	0.4
435	0.4	0.018	0.014	0.000	0.4
440	0.5	0.018	0.014	0.000	0.5
445	0.5	0.019	0.015	0.000	0.5
450	0.5	0.019	0.015	0.000	0.5
455	0.5	0.019	0.015	0.000	0.5
460	0.5	0.019	0.015	0.000	0.5
465	0.5	0.019	0.015	0.000	0.5
470	0.5	0.020	0.015	0.000	0.5
475	0.5	0.020	0.015	0.000	0.5
480	0.6	0.020	0.016	0.000	0.6
485	0.6	0.021	0.016	0.000	0.6
490	0.6	0.021	0.016	0.000	0.6
495	0.6	0.021	0.017	0.000	0.6
500	0.6	0.021	0.017	0.000	0.6
505	0.6	0.021	0.017	0.000	0.6
510	0.7	0.022	0.017	0.000	0.7
515	0.7	0.022	0.017	0.000	0.7
520	0.7	0.022	0.018	0.000	0.7
525	0.7	0.023	0.018	0.000	0.7
530	0.8	0.023	0.018	0.000	0.8

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
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Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
535	0.8	0.024	0.019	0.000	0.8
540	0.8	0.024	0.019	0.000	0.8
545	0.8	0.024	0.019	0.000	0.8
550	0.9	0.025	0.020	0.000	0.9
555	0.9	0.026	0.020	0.000	0.9
560	0.9	0.026	0.020	0.000	0.9
565	1.0	0.026	0.021	0.000	1.0
570	1.0	0.027	0.021	0.000	1.0
575	1.0	0.027	0.021	0.000	1.0
580	1.1	0.028	0.022	0.000	1.1
585	1.2	0.029	0.022	0.000	1.2
590	1.2	0.029	0.023	0.000	1.2
595	1.3	0.030	0.023	0.000	1.3
600	1.3	0.030	0.024	0.000	1.3
605	1.3	0.030	0.024	0.000	1.3
610	1.4	0.031	0.025	0.000	1.4
615	1.4	0.032	0.025	0.000	1.4
620	1.4	0.032	0.025	0.000	1.4
625	1.5	0.033	0.026	0.000	1.5
630	1.6	0.033	0.026	0.000	1.6
635	1.6	0.033	0.026	0.000	1.6
640	1.7	0.034	0.027	0.000	1.7
645	1.7	0.035	0.027	0.000	1.7
650	1.8	0.035	0.028	0.000	1.8
655	1.9	0.036	0.028	0.000	1.9
660	1.9	0.036	0.028	0.000	1.9
665	2.0	0.037	0.029	0.000	2.0
670	2.1	0.038	0.030	0.000	2.1
675	2.1	0.038	0.030	0.000	2.1
680	2.2	0.039	0.030	0.000	2.2
685	2.2	0.039	0.031	0.000	2.2
690	2.3	0.040	0.031	0.000	2.3
695	2.4	0.041	0.032	0.000	2.4
700	2.5	0.041	0.032	0.000	2.5
705	2.5	0.041	0.033	0.000	2.5
710	2.6	0.043	0.034	0.000	2.6
715	2.7	0.043	0.034	0.000	2.7
720	2.7	0.042	0.033	0.000	2.7
725	2.7	0.038	0.030	0.000	2.7
730	2.7	0.038	0.029	0.000	2.7
735	2.7	0.037	0.029	0.000	2.7
740	2.5	0.036	0.028	0.000	2.5
745	2.5	0.035	0.028	0.000	2.5
750	2.4	0.035	0.028	0.000	2.4
755	2.3	0.034	0.027	0.000	2.3
760	2.3	0.034	0.027	0.000	2.3
765	2.2	0.051	0.040	0.000	2.0
770	2.1	0.075	0.059	0.000	1.9
775	2.1	0.097	0.076	0.000	1.9
780	2.0	0.118	0.093	0.000	1.8
785	1.9	0.139	0.109	0.000	1.8
790	1.9	0.158	0.124	0.000	1.8
795	1.8	0.177	0.139	0.000	1.7
800	1.7	0.195	0.153	0.000	1.6
805	1.7	0.213	0.167	0.000	1.6

Project - 2080:	Date:		
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Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
810	1.4	0.230	0.180	0.000	1.4
815	1.4	0.245	0.192	0.000	1.4
820	1.4	0.260	0.204	0.000	1.4
825	1.3	0.274	0.215	0.000	1.3
830	1.3	0.288	0.226	0.000	1.2
835	1.3	0.301	0.236	0.000	1.2
840	1.2	0.313	0.246	0.000	1.1
845	1.2	0.325	0.255	0.000	1.1
850	1.2	0.336	0.263	0.000	1.2
855	1.1	0.346	0.271	0.000	1.1
860	1.1	0.355	0.279	0.000	1.1
865	1.1	0.365	0.286	0.000	1.1
870	1.0	0.373	0.293	0.000	1.0
875	1.0	0.381	0.299	0.000	1.0
880	1.0	0.389	0.305	0.000	0.9
885	0.9	0.396	0.311	0.000	0.9
890	0.9	0.402	0.316	0.000	0.9
895	0.9	0.409	0.321	0.000	0.8
900	0.8	0.414	0.325	0.000	0.8
905	0.8	0.419	0.329	0.000	0.8
910	0.8	0.424	0.333	0.000	0.8
915	0.7	0.429	0.337	0.000	0.7
920	0.7	0.433	0.340	0.000	0.7
925	0.7	0.437	0.343	0.000	0.7
930	0.7	0.440	0.345	0.000	0.7
935	0.7	0.443	0.348	0.000	0.7
940	0.6	0.446	0.350	0.000	0.6
945	0.6	0.449	0.352	0.000	0.6
950	0.6	0.451	0.354	0.000	0.6
955	0.6	0.453	0.356	0.000	0.6
960	0.6	0.455	0.357	0.000	0.6
965	0.6	0.457	0.359	0.000	0.6
970	0.5	0.458	0.360	0.000	0.5
975	0.5	0.460	0.361	0.000	0.5
980	0.5	0.461	0.362	0.000	0.5
985	0.5	0.462	0.362	0.000	0.5
990	0.5	0.462	0.363	0.000	0.5
995	0.5	0.463	0.364	0.000	0.5
1000	0.5	0.464	0.364	0.000	0.5
1005	0.5	0.464	0.364	0.000	0.5
1010	0.5	0.464	0.364	0.000	0.5
1015	0.4	0.464	0.364	0.000	0.4
1020	0.4	0.464	0.364	0.000	0.4
1025	0.4	0.464	0.364	0.000	0.4
1030	0.4	0.464	0.364	0.000	0.4
1035	0.4	0.464	0.364	0.000	0.4
1040	0.4	0.463	0.364	0.000	0.4
1045	0.4	0.463	0.363	0.000	0.4
1050	0.4	0.462	0.363	0.000	0.4
1055	0.4	0.461	0.362	0.000	0.4
1060	0.4	0.461	0.362	0.000	0.4
1065	0.4	0.460	0.361	0.000	0.4
1070	0.4	0.459	0.360	0.000	0.4
1075	0.4	0.458	0.360	0.000	0.4
1080	0.4	0.457	0.359	0.000	0.4

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Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1085	0.4	0.456	0.358	0.000	0.4
1090	0.4	0.455	0.357	0.000	0.4
1095	0.4	0.454	0.357	0.000	0.4
1100	0.4	0.453	0.356	0.000	0.4
1105	0.4	0.452	0.355	0.000	0.4
1110	0.3	0.451	0.354	0.000	0.4
1115	0.3	0.449	0.353	0.000	0.4
1120	0.3	0.448	0.352	0.000	0.4
1125	0.3	0.447	0.351	0.000	0.4
1130	0.3	0.445	0.350	0.000	0.4
1135	0.3	0.444	0.349	0.000	0.4
1140	0.3	0.443	0.348	0.000	0.4
1145	0.3	0.441	0.346	0.000	0.3
1150	0.3	0.439	0.345	0.000	0.3
1155	0.3	0.438	0.344	0.000	0.3
1160	0.3	0.436	0.342	0.000	0.3
1165	0.3	0.434	0.341	0.000	0.3
1170	0.3	0.432	0.339	0.000	0.3
1175	0.3	0.431	0.338	0.000	0.3
1180	0.3	0.429	0.337	0.000	0.3
1185	0.3	0.427	0.335	0.000	0.3
1190	0.3	0.426	0.334	0.000	0.3
1195	0.3	0.424	0.333	0.000	0.3
1200	0.3	0.422	0.331	0.000	0.3
1205	0.3	0.420	0.330	0.000	0.3
1210	0.3	0.419	0.329	0.000	0.3
1215	0.3	0.417	0.327	0.000	0.3
1220	0.3	0.415	0.326	0.000	0.3
1225	0.3	0.413	0.324	0.000	0.3
1230	0.3	0.411	0.323	0.000	0.3
1235	0.3	0.409	0.321	0.000	0.3
1240	0.3	0.407	0.319	0.000	0.3
1245	0.3	0.405	0.318	0.000	0.3
1250	0.3	0.403	0.316	0.000	0.3
1255	0.3	0.401	0.315	0.000	0.3
1260	0.3	0.399	0.313	0.000	0.3
1265	0.3	0.396	0.311	0.000	0.3
1270	0.3	0.394	0.309	0.000	0.3
1275	0.3	0.392	0.308	0.000	0.3
1280	0.3	0.390	0.306	0.000	0.3
1285	0.3	0.388	0.304	0.000	0.3
1290	0.3	0.386	0.303	0.000	0.3
1295	0.3	0.384	0.301	0.000	0.3
1300	0.3	0.381	0.299	0.000	0.3
1305	0.3	0.379	0.298	0.000	0.3
1310	0.3	0.377	0.296	0.000	0.3
1315	0.3	0.375	0.294	0.000	0.3
1320	0.3	0.373	0.293	0.000	0.3
1325	0.3	0.371	0.291	0.000	0.3
1330	0.3	0.369	0.289	0.000	0.3
1335	0.3	0.366	0.288	0.000	0.3
1340	0.3	0.364	0.286	0.000	0.3
1345	0.3	0.362	0.284	0.000	0.3
1350	0.3	0.360	0.282	0.000	0.3
1355	0.3	0.357	0.280	0.000	0.3

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1360	0.3	0.355	0.279	0.000	0.2
1365	0.3	0.353	0.277	0.000	0.3
1370	0.3	0.350	0.275	0.000	0.2
1375	0.2	0.348	0.273	0.000	0.3
1380	0.2	0.345	0.271	0.000	0.3
1385	0.3	0.343	0.269	0.000	0.3
1390	0.2	0.341	0.267	0.000	0.3
1395	0.3	0.338	0.266	0.000	0.3
1400	0.3	0.336	0.264	0.000	0.3
1405	0.3	0.334	0.262	0.000	0.2
1410	0.3	0.331	0.260	0.000	0.3
1415	0.3	0.329	0.258	0.000	0.3
1420	0.3	0.326	0.256	0.000	0.3
1425	0.2	0.324	0.254	0.000	0.2
1430	0.3	0.322	0.253	0.000	0.3
1435	0.3	0.319	0.251	0.000	0.3
1440	0.2	0.317	0.249	0.000	0.3
1445	0.1	0.313	0.246	0.000	0.1
1450	0.1	0.308	0.242	0.000	0.1
1455	0.1	0.303	0.238	0.000	0.1
1460	0.0	0.298	0.234	0.000	0.0
1465	0.1	0.293	0.230	0.000	0.1
1470	0.0	0.288	0.226	0.000	0.1
1475	0.1	0.282	0.222	0.000	0.1
1480	0.1	0.277	0.217	0.000	0.1
1485	0.1	0.272	0.214	0.000	0.1
1490	0.0	0.267	0.210	0.000	0.1
1495	0.1	0.262	0.206	0.000	0.1
1500	0.0	0.257	0.202	0.000	0.1
1505	0.1	0.251	0.197	0.000	0.1
1510	0.1	0.247	0.194	0.000	0.1
1515	0.0	0.242	0.190	0.000	0.0
1520	0.0	0.236	0.186	0.000	0.1
1525	0.0	0.231	0.182	0.000	0.0
1530	0.1	0.226	0.178	0.000	0.1
1535	0.0	0.221	0.174	0.000	0.1
1540	0.0	0.216	0.170	0.000	0.1
1545	0.0	0.211	0.166	0.000	0.0
1550	0.0	0.206	0.162	0.000	0.0
1555	0.0	0.201	0.158	0.000	0.0
1560	0.0	0.196	0.154	0.000	0.0
1565	0.0	0.191	0.150	0.000	0.0
1570	0.0	0.186	0.146	0.000	0.0
1575	0.0	0.181	0.142	0.000	0.0
1580	0.0	0.176	0.138	0.000	0.0
1585	0.0	0.171	0.134	0.000	0.0
1590	0.0	0.166	0.130	0.000	0.0
1595	0.0	0.161	0.127	0.000	0.0
1600	0.0	0.156	0.123	0.000	0.0
1605	0.0	0.151	0.119	0.000	0.0
1610	0.0	0.147	0.115	0.000	0.0
1615	0.0	0.142	0.111	0.000	0.0
1620	0.0	0.137	0.107	0.000	0.0
1625	0.0	0.132	0.104	0.000	0.0
1630	0.0	0.127	0.100	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1635	0.0	0.123	0.096	0.000	0.0
1640	0.0	0.118	0.093	0.000	0.0
1645	0.0	0.113	0.089	0.000	0.0
1650	0.0	0.109	0.085	0.000	0.1
1655	0.0	0.104	0.081	0.000	0.0
1660	0.0	0.099	0.078	0.000	0.0
1665	0.0	0.094	0.074	0.000	0.0
1670	0.0	0.090	0.070	0.000	0.0
1675	0.0	0.085	0.067	0.000	0.0
1680	0.0	0.080	0.063	0.000	0.0
1685	0.0	0.076	0.059	0.000	0.1
1690	0.0	0.071	0.056	0.000	0.0
1695	0.0	0.067	0.052	0.000	0.0
1700	0.0	0.062	0.049	0.000	0.0
1705	0.0	0.057	0.045	0.000	0.0
1710	0.0	0.052	0.041	0.000	0.1
1715	0.0	0.048	0.037	0.000	0.0
1720	0.0	0.043	0.034	0.000	0.1
1725	0.0	0.038	0.030	0.000	0.0
1730	0.0	0.034	0.026	0.000	0.0
1735	0.0	0.028	0.022	0.000	0.0
1740	0.0	0.024	0.019	0.000	0.0
1745	0.0	0.019	0.015	0.000	0.0
1750	0.0	0.014	0.011	0.000	0.0
1755	0.0	0.010	0.007	0.000	0.0
1760	0.0	0.005	0.004	0.000	0.0
1765	0.0	0.004	0.003	0.000	0.0
1770	0.0	0.003	0.002	0.000	0.0
1775	0.0	0.003	0.002	0.000	0.0
1780	0.0	0.003	0.002	0.000	0.0
1785	0.0	0.002	0.002	0.000	0.0
1790	0.0	0.002	0.002	0.000	0.0
1795	0.0	0.002	0.002	0.000	0.0
1800	0.0	0.002	0.002	0.000	0.0
1805	0.0	0.002	0.002	0.000	0.0
1810	0.0	0.002	0.001	0.000	0.0
1815	0.0	0.002	0.001	0.000	0.0
1820	0.0	0.002	0.001	0.000	0.0
1825	0.0	0.002	0.001	0.000	0.0
1830	0.0	0.002	0.001	0.000	0.0
1835	0.0	0.001	0.001	0.000	0.0
1840	0.0	0.001	0.001	0.000	0.0
1845	0.0	0.001	0.001	0.000	0.0
1850	0.0	0.001	0.001	0.000	0.0
1855	0.0	0.001	0.001	0.000	0.0
1860	0.0	0.001	0.001	0.000	0.0
1865	0.0	0.001	0.001	0.000	0.0
1870	0.0	0.001	0.001	0.000	0.0
1875	0.0	0.001	0.001	0.000	0.0
1880	0.0	0.001	0.001	0.000	0.0
1885	0.0	0.001	0.001	0.000	0.0
1890	0.0	0.001	0.001	0.000	0.0
1895	0.0	0.001	0.001	0.000	0.0
1900	0.0	0.001	0.001	0.000	0.0
1905	0.0	0.001	0.001	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1910	0.0	0.001	0.001	0.000	0.0
1915	0.0	0.001	0.001	0.000	0.0
1920	0.0	0.001	0.001	0.000	0.0
1925	0.0	0.001	0.001	0.000	0.0
1930	0.0	0.001	0.001	0.000	0.0
1935	0.0	0.001	0.001	0.000	0.0
1940	0.0	0.001	0.001	0.000	0.0
1945	0.0	0.001	0.001	0.000	0.0
1950	0.0	0.001	0.001	0.000	0.0
1955	0.0	0.001	0.001	0.000	0.0
1960	0.0	0.001	0.000	0.000	0.0
1965	0.0	0.001	0.000	0.000	0.0
1970	0.0	0.001	0.000	0.000	0.0
1975	0.0	0.001	0.000	0.000	0.0
1980	0.0	0.001	0.000	0.000	0.0
1985	0.0	0.001	0.000	0.000	0.0
1990	0.0	0.001	0.000	0.000	0.0
1995	0.0	0.000	0.000	0.000	0.0
2000	0.0	0.000	0.000	0.000	0.0
2005	0.0	0.000	0.000	0.000	0.0
2010	0.0	0.000	0.000	0.000	0.0
2015	0.0	0.000	0.000	0.000	0.0
2020	0.0	0.000	0.000	0.000	0.0
2025	0.0	0.000	0.000	0.000	0.0
2030	0.0	0.000	0.000	0.000	0.0
2035	0.0	0.000	0.000	0.000	0.0
2040	0.0	0.000	0.000	0.000	0.0
2045	0.0	0.000	0.000	0.000	0.0
2050	0.0	0.000	0.000	0.000	0.0
2055	0.0	0.000	0.000	0.000	0.0
2060	0.0	0.000	0.000	0.000	0.0
2065	0.0	0.000	0.000	0.000	0.0
2070	0.0	0.000	0.000	0.000	0.0
2075	0.0	0.000	0.000	0.000	0.0
2080	0.0	0.000	0.000	0.000	0.0
2085	0.0	0.000	0.000	0.000	0.0
2090	0.0	0.000	0.000	0.000	0.0
2095	0.0	0.000	0.000	0.000	0.0
2100	0.0	0.000	0.000	0.000	0.0
2105	0.0	0.000	0.000	0.000	0.0
2110	0.0	0.000	0.000	0.000	0.0
2115	0.0	0.000	0.000	0.000	0.0
2120	0.0	0.000	0.000	0.000	0.0
2125	0.0	0.000	0.000	0.000	0.0
2130	0.0	0.000	0.000	0.000	0.0
2135	0.0	0.000	0.000	0.000	0.0
2140	0.0	0.000	0.000	0.000	0.0
2145	0.0	0.000	0.000	0.000	0.0
2150	0.0	0.000	0.000	0.000	0.0
2155	0.0	0.000	0.000	0.000	0.0
2160	0.0	0.000	0.000	0.000	0.0
2165	0.0	0.000	0.000	0.000	0.0
2170	0.0	0.000	0.000	0.000	0.0
2175	0.0	0.000	0.000	0.000	0.0
2180	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2185	0.0	0.000	0.000	0.000	0.0
2190	0.0	0.000	0.000	0.000	0.0
2195	0.0	0.000	0.000	0.000	0.0
2200	0.0	0.000	0.000	0.000	0.0
2205	0.0	0.000	0.000	0.000	0.0
2210	0.0	0.000	0.000	0.000	0.0
2215	0.0	0.000	0.000	0.000	0.0
2220	0.0	0.000	0.000	0.000	0.0
2225	0.0	0.000	0.000	0.000	0.0
2230	0.0	0.000	0.000	0.000	0.0
2235	0.0	0.000	0.000	0.000	0.0
2240	0.0	0.000	0.000	0.000	0.0
2245	0.0	0.000	0.000	0.000	0.0
2250	0.0	0.000	0.000	0.000	0.0
2255	0.0	0.000	0.000	0.000	0.0
2260	0.0	0.000	0.000	0.000	0.0
2265	0.0	0.000	0.000	0.000	0.0
2270	0.0	0.000	0.000	0.000	0.0
2275	0.0	0.000	0.000	0.000	0.0
2280	0.0	0.000	0.000	0.000	0.0
2285	0.0	0.000	0.000	0.000	0.0
2290	0.0	0.000	0.000	0.000	0.0
2295	0.0	0.000	0.000	0.000	0.0
2300	0.0	0.000	0.000	0.000	0.0
2305	0.0	0.000	0.000	0.000	0.0
2310	0.0	0.000	0.000	0.000	0.0
2315	0.0	0.000	0.000	0.000	0.0
2320	0.0	0.000	0.000	0.000	0.0
2325	0.0	0.000	0.000	0.000	0.0
2330	0.0	0.000	0.000	0.000	0.0
2335	0.0	0.000	0.000	0.000	0.0
2340	0.0	0.000	0.000	0.000	0.0
2345	0.0	0.000	0.000	0.000	0.0
2350	0.0	0.000	0.000	0.000	0.0
2355	0.0	0.000	0.000	0.000	0.0
2360	0.0	0.000	0.000	0.000	0.0
2365	0.0	0.000	0.000	0.000	0.0
2370	0.0	0.000	0.000	0.000	0.0
2375	0.0	0.000	0.000	0.000	0.0
2380	0.0	0.000	0.000	0.000	0.0
2385	0.0	0.000	0.000	0.000	0.0
2390	0.0	0.000	0.000	0.000	0.0
2395	0.0	0.000	0.000	0.000	0.0
2400	0.0	0.000	0.000	0.000	0.0
2405	0.0	0.000	0.000	0.000	0.0
2410	0.0	0.000	0.000	0.000	0.0
2415	0.0	0.000	0.000	0.000	0.0
2420	0.0	0.000	0.000	0.000	0.0
2425	0.0	0.000	0.000	0.000	0.0
2430	0.0	0.000	0.000	0.000	0.0
2435	0.0	0.000	0.000	0.000	0.0
2440	0.0	0.000	0.000	0.000	0.0
2445	0.0	0.000	0.000	0.000	0.0
2450	0.0	0.000	0.000	0.000	0.0
2455	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2460	0.0	0.000	0.000	0.000	0.0
2465	0.0	0.000	0.000	0.000	0.0
2470	0.0	0.000	0.000	0.000	0.0
2475	0.0	0.000	0.000	0.000	0.0
2480	0.0	0.000	0.000	0.000	0.0
2485	0.0	0.000	0.000	0.000	0.0
2490	0.0	0.000	0.000	0.000	0.0
2495	0.0	0.000	0.000	0.000	0.0
2500	0.0	0.000	0.000	0.000	0.0
2505	0.0	0.000	0.000	0.000	0.0
2510	0.0	0.000	0.000	0.000	0.0
2515	0.0	0.000	0.000	0.000	0.0
2520	0.0	0.000	0.000	0.000	0.0
2525	0.0	0.000	0.000	0.000	0.0
2530	0.0	0.000	0.000	0.000	0.0
2535	0.0	0.000	0.000	0.000	0.0
2540	0.0	0.000	0.000	0.000	0.0
2545	0.0	0.000	0.000	0.000	0.0
2550	0.0	0.000	0.000	0.000	0.0
2555	0.0	0.000	0.000	0.000	0.0
2560	0.0	0.000	0.000	0.000	0.0
2565	0.0	0.000	0.000	0.000	0.0
2570	0.0	0.000	0.000	0.000	0.0
2575	0.0	0.000	0.000	0.000	0.0
2580	0.0	0.000	0.000	0.000	0.0
2585	0.0	0.000	0.000	0.000	0.0
2590	0.0	0.000	0.000	0.000	0.0
2595	0.0	0.000	0.000	0.000	0.0
2600	0.0	0.000	0.000	0.000	0.0
2605	0.0	0.000	0.000	0.000	0.0
2610	0.0	0.000	0.000	0.000	0.0
2615	0.0	0.000	0.000	0.000	0.0
2620	0.0	0.000	0.000	0.000	0.0
2625	0.0	0.000	0.000	0.000	0.0
2630	0.0	0.000	0.000	0.000	0.0
2635	0.0	0.000	0.000	0.000	0.0
2640	0.0	0.000	0.000	0.000	0.0
2645	0.0	0.000	0.000	0.000	0.0
2650	0.0	0.000	0.000	0.000	0.0
2655	0.0	0.000	0.000	0.000	0.0
2660	0.0	0.000	0.000	0.000	0.0
2665	0.0	0.000	0.000	0.000	0.0
2670	0.0	0.000	0.000	0.000	0.0
2675	0.0	0.000	0.000	0.000	0.0
2680	0.0	0.000	0.000	0.000	0.0
2685	0.0	0.000	0.000	0.000	0.0
2690	0.0	0.000	0.000	0.000	0.0
2695	0.0	0.000	0.000	0.000	0.0
2700	0.0	0.000	0.000	0.000	0.0
2705	0.0	0.000	0.000	0.000	0.0
2710	0.0	0.000	0.000	0.000	0.0
2715	0.0	0.000	0.000	0.000	0.0
2720	0.0	0.000	0.000	0.000	0.0
2725	0.0	0.000	0.000	0.000	0.0
2730	0.0	0.000	0.000	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

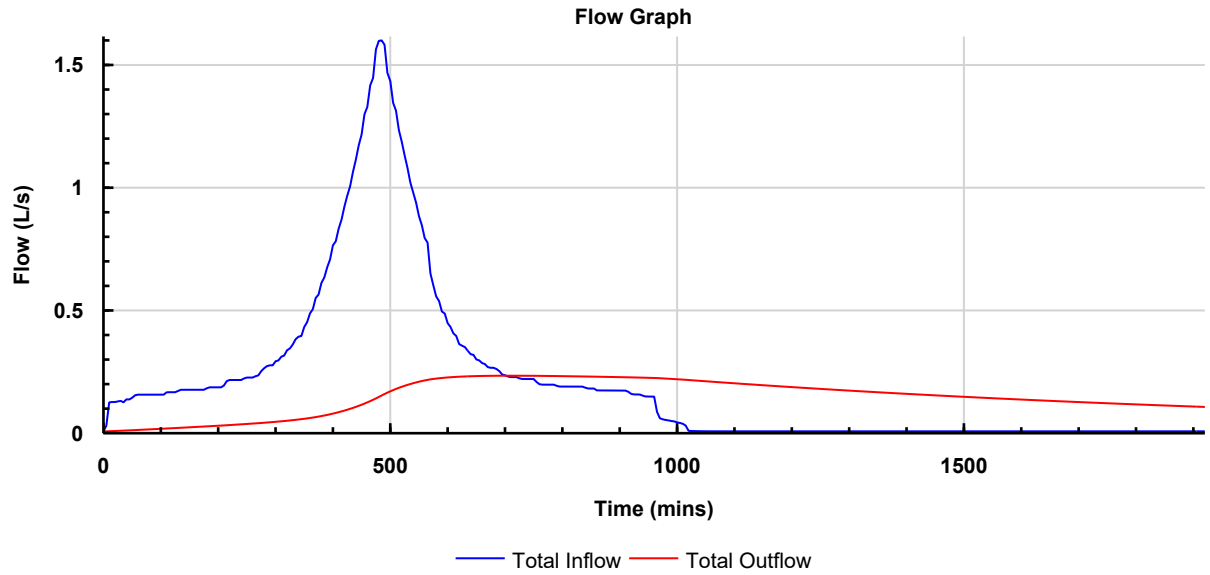
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2735	0.0	0.000	0.000	0.000	0.0
2740	0.0	0.000	0.000	0.000	0.0
2745	0.0	0.000	0.000	0.000	0.0
2750	0.0	0.000	0.000	0.000	0.0
2755	0.0	0.000	0.000	0.000	0.0
2760	0.0	0.000	0.000	0.000	0.0
2765	0.0	0.000	0.000	0.000	0.0
2770	0.0	0.000	0.000	0.000	0.0
2775	0.0	0.000	0.000	0.000	0.0
2780	0.0	0.000	0.000	0.000	0.0
2785	0.0	0.000	0.000	0.000	0.0
2790	0.0	0.000	0.000	0.000	0.0
2795	0.0	0.000	0.000	0.000	0.0
2800	0.0	0.000	0.000	0.000	0.0
2805	0.0	0.000	0.000	0.000	0.0
2810	0.0	0.000	0.000	0.000	0.0
2815	0.0	0.000	0.000	0.000	0.0
2820	0.0	0.000	0.000	0.000	0.0
2825	0.0	0.000	0.000	0.000	0.0
2830	0.0	0.000	0.000	0.000	0.0
2835	0.0	0.000	0.000	0.000	0.0
2840	0.0	0.000	0.000	0.000	0.0
2845	0.0	0.000	0.000	0.000	0.0
2850	0.0	0.000	0.000	0.000	0.0
2855	0.0	0.000	0.000	0.000	0.0
2860	0.0	0.000	0.000	0.000	0.0
2865	0.0	0.000	0.000	0.000	0.0
2870	0.0	0.000	0.000	0.000	0.0
2875	0.0	0.000	0.000	0.000	0.0
2880	0.0	0.000	0.000	0.000	0.0

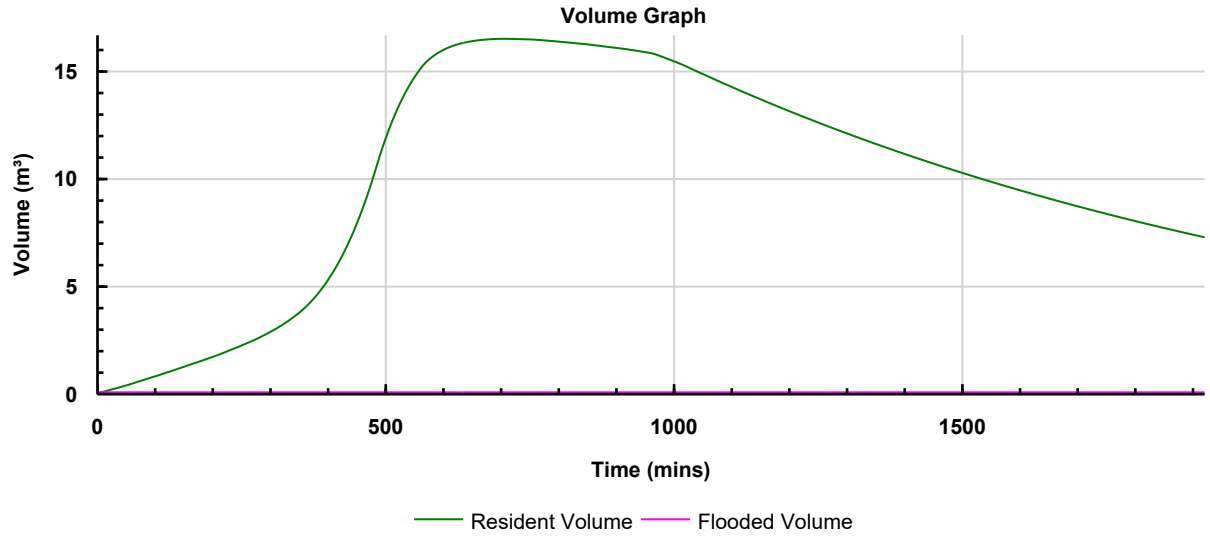
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Soakaway
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 960 mins: Summer

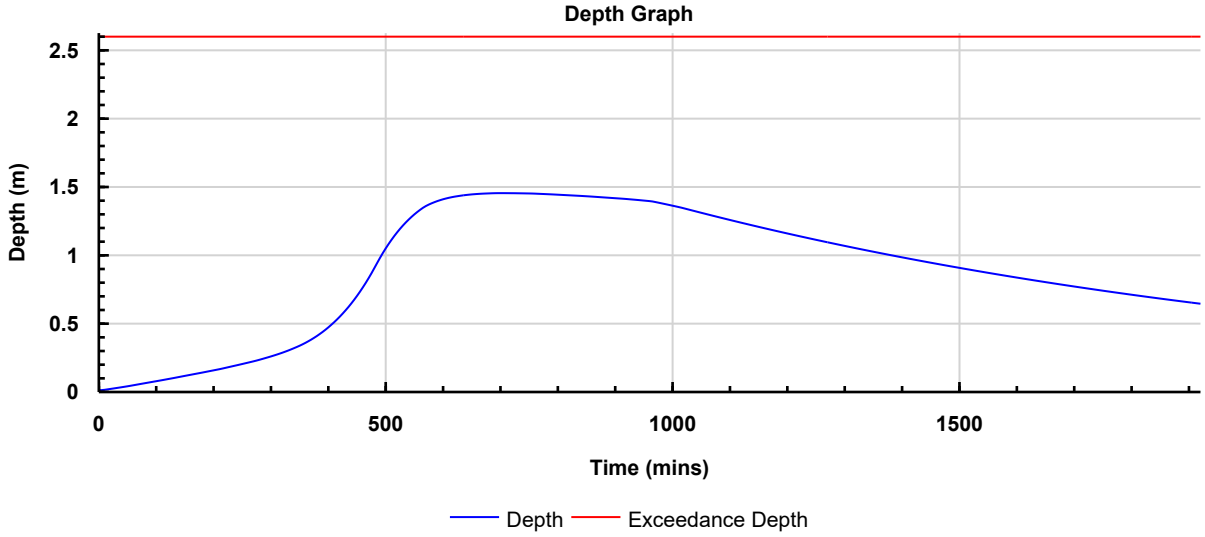
Type : Soakaway

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.0	0.000	0.001	0.000	0.0
10	0.1	0.002	0.025	0.000	0.0
15	0.1	0.005	0.062	0.000	0.0
20	0.1	0.009	0.097	0.000	0.0
25	0.1	0.012	0.133	0.000	0.0
30	0.1	0.015	0.170	0.000	0.0
35	0.1	0.018	0.207	0.000	0.0
40	0.1	0.021	0.244	0.000	0.0
45	0.1	0.025	0.282	0.000	0.0
50	0.1	0.028	0.321	0.000	0.0
55	0.1	0.032	0.362	0.000	0.0
60	0.2	0.036	0.406	0.000	0.0
65	0.2	0.039	0.449	0.000	0.0
70	0.2	0.043	0.492	0.000	0.0
75	0.2	0.047	0.535	0.000	0.0
80	0.2	0.051	0.577	0.000	0.0
85	0.2	0.054	0.620	0.000	0.0
90	0.2	0.058	0.662	0.000	0.0
95	0.2	0.062	0.705	0.000	0.0
100	0.2	0.066	0.747	0.000	0.0
105	0.2	0.069	0.788	0.000	0.0
110	0.2	0.073	0.831	0.000	0.0
115	0.2	0.077	0.876	0.000	0.0
120	0.2	0.081	0.920	0.000	0.0
125	0.2	0.085	0.964	0.000	0.0
130	0.2	0.089	1.009	0.000	0.0
135	0.2	0.093	1.055	0.000	0.0
140	0.2	0.097	1.102	0.000	0.0
145	0.2	0.101	1.148	0.000	0.0
150	0.2	0.105	1.194	0.000	0.0
155	0.2	0.109	1.240	0.000	0.0
160	0.2	0.113	1.286	0.000	0.0
165	0.2	0.117	1.332	0.000	0.0
170	0.2	0.121	1.377	0.000	0.0
175	0.2	0.125	1.422	0.000	0.0
180	0.2	0.129	1.468	0.000	0.0
185	0.2	0.133	1.515	0.000	0.0
190	0.2	0.137	1.563	0.000	0.0
195	0.2	0.141	1.611	0.000	0.0
200	0.2	0.145	1.658	0.000	0.0
205	0.2	0.150	1.705	0.000	0.0
210	0.2	0.154	1.753	0.000	0.0
215	0.2	0.158	1.804	0.000	0.0
220	0.2	0.163	1.859	0.000	0.0
225	0.2	0.168	1.914	0.000	0.0
230	0.2	0.173	1.969	0.000	0.0
235	0.2	0.178	2.024	0.000	0.0
240	0.2	0.182	2.079	0.000	0.0
245	0.2	0.187	2.134	0.000	0.0
250	0.2	0.192	2.191	0.000	0.0
255	0.2	0.197	2.247	0.000	0.0
260	0.2	0.202	2.304	0.000	0.0
265	0.2	0.207	2.361	0.000	0.0
270	0.2	0.212	2.420	0.000	0.0

Project - 2080:	Date:		
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	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
275	0.2	0.218	2.480	0.000	0.0
280	0.3	0.223	2.546	0.000	0.0
285	0.3	0.229	2.614	0.000	0.0
290	0.3	0.235	2.684	0.000	0.0
295	0.3	0.242	2.753	0.000	0.0
300	0.3	0.248	2.825	0.000	0.0
305	0.3	0.254	2.900	0.000	0.0
310	0.3	0.261	2.977	0.000	0.0
315	0.3	0.268	3.057	0.000	0.0
320	0.3	0.275	3.140	0.000	0.0
325	0.3	0.283	3.228	0.000	0.0
330	0.4	0.291	3.317	0.000	0.0
335	0.4	0.299	3.414	0.000	0.0
340	0.4	0.308	3.514	0.000	0.0
345	0.4	0.317	3.614	0.000	0.0
350	0.4	0.327	3.720	0.000	0.1
355	0.4	0.337	3.836	0.000	0.1
360	0.5	0.347	3.959	0.000	0.1
365	0.5	0.359	4.090	0.000	0.1
370	0.5	0.371	4.228	0.000	0.1
375	0.6	0.384	4.378	0.000	0.1
380	0.6	0.398	4.533	0.000	0.1
385	0.6	0.413	4.700	0.000	0.1
390	0.7	0.428	4.875	0.000	0.1
395	0.7	0.444	5.060	0.000	0.1
400	0.8	0.462	5.258	0.000	0.1
405	0.8	0.480	5.468	0.000	0.1
410	0.8	0.499	5.684	0.000	0.1
415	0.9	0.519	5.915	0.000	0.1
420	0.9	0.540	6.157	0.000	0.1
425	1.0	0.563	6.414	0.000	0.1
430	1.0	0.587	6.682	0.000	0.1
435	1.1	0.611	6.963	0.000	0.1
440	1.1	0.637	7.260	0.000	0.1
445	1.2	0.665	7.571	0.000	0.1
450	1.2	0.693	7.897	0.000	0.1
455	1.3	0.723	8.239	0.000	0.1
460	1.3	0.755	8.599	0.000	0.1
465	1.4	0.788	8.973	0.000	0.1
470	1.4	0.822	9.365	0.000	0.1
475	1.6	0.858	9.775	0.000	0.1
480	1.6	0.896	10.210	0.000	0.1
485	1.6	0.934	10.647	0.000	0.1
490	1.6	0.972	11.079	0.000	0.2
495	1.5	1.009	11.492	0.000	0.2
500	1.4	1.042	11.878	0.000	0.2
505	1.3	1.075	12.246	0.000	0.2
510	1.3	1.105	12.592	0.000	0.2
515	1.2	1.134	12.923	0.000	0.2
520	1.2	1.161	13.231	0.000	0.2
525	1.1	1.187	13.523	0.000	0.2
530	1.1	1.211	13.798	0.000	0.2
535	1.0	1.233	14.055	0.000	0.2
540	1.0	1.254	14.296	0.000	0.2
545	0.9	1.274	14.523	0.000	0.2
550	0.9	1.293	14.736	0.000	0.2
555	0.8	1.310	14.933	0.000	0.2
560	0.8	1.326	15.118	0.000	0.2

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
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Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
565	0.8	1.341	15.288	0.000	0.2
570	0.6	1.354	15.434	0.000	0.2
575	0.6	1.365	15.556	0.000	0.2
580	0.6	1.374	15.665	0.000	0.2
585	0.5	1.383	15.762	0.000	0.2
590	0.5	1.390	15.852	0.000	0.2
595	0.5	1.397	15.930	0.000	0.2
600	0.4	1.404	16.004	0.000	0.2
605	0.4	1.409	16.067	0.000	0.2
610	0.4	1.414	16.126	0.000	0.2
615	0.4	1.419	16.178	0.000	0.2
620	0.4	1.423	16.223	0.000	0.2
625	0.4	1.426	16.262	0.000	0.2
630	0.3	1.430	16.299	0.000	0.2
635	0.3	1.433	16.333	0.000	0.2
640	0.3	1.435	16.363	0.000	0.2
645	0.3	1.438	16.389	0.000	0.2
650	0.3	1.440	16.413	0.000	0.2
655	0.3	1.441	16.432	0.000	0.2
660	0.3	1.443	16.450	0.000	0.2
665	0.3	1.444	16.465	0.000	0.2
670	0.3	1.445	16.478	0.000	0.2
675	0.3	1.446	16.488	0.000	0.2
680	0.3	1.447	16.498	0.000	0.2
685	0.3	1.448	16.507	0.000	0.2
690	0.2	1.448	16.514	0.000	0.2
695	0.2	1.449	16.518	0.000	0.2
700	0.2	1.449	16.519	0.000	0.2
705	0.2	1.449	16.519	0.000	0.2
710	0.2	1.449	16.517	0.000	0.2
715	0.2	1.449	16.516	0.000	0.2
720	0.2	1.448	16.514	0.000	0.2
725	0.2	1.448	16.512	0.000	0.2
730	0.2	1.448	16.508	0.000	0.2
735	0.2	1.448	16.504	0.000	0.2
740	0.2	1.447	16.500	0.000	0.2
745	0.2	1.447	16.496	0.000	0.2
750	0.2	1.446	16.492	0.000	0.2
755	0.2	1.446	16.487	0.000	0.2
760	0.2	1.445	16.478	0.000	0.2
765	0.2	1.444	16.467	0.000	0.2
770	0.2	1.443	16.456	0.000	0.2
775	0.2	1.442	16.446	0.000	0.2
780	0.2	1.441	16.435	0.000	0.2
785	0.2	1.441	16.424	0.000	0.2
790	0.2	1.440	16.413	0.000	0.2
795	0.2	1.438	16.401	0.000	0.2
800	0.2	1.437	16.388	0.000	0.2
805	0.2	1.436	16.375	0.000	0.2
810	0.2	1.435	16.362	0.000	0.2
815	0.2	1.434	16.350	0.000	0.2
820	0.2	1.433	16.337	0.000	0.2
825	0.2	1.432	16.325	0.000	0.2
830	0.2	1.431	16.312	0.000	0.2
835	0.2	1.430	16.300	0.000	0.2
840	0.2	1.428	16.286	0.000	0.2
845	0.2	1.427	16.272	0.000	0.2
850	0.2	1.426	16.258	0.000	0.2

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Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
855	0.2	1.425	16.243	0.000	0.2
860	0.2	1.423	16.228	0.000	0.2
865	0.2	1.422	16.211	0.000	0.2
870	0.2	1.420	16.194	0.000	0.2
875	0.2	1.419	16.177	0.000	0.2
880	0.2	1.417	16.161	0.000	0.2
885	0.2	1.416	16.144	0.000	0.2
890	0.2	1.414	16.127	0.000	0.2
895	0.2	1.413	16.111	0.000	0.2
900	0.2	1.412	16.094	0.000	0.2
905	0.2	1.410	16.078	0.000	0.2
910	0.2	1.409	16.061	0.000	0.2
915	0.2	1.407	16.044	0.000	0.2
920	0.2	1.406	16.025	0.000	0.2
925	0.2	1.404	16.005	0.000	0.2
930	0.2	1.402	15.984	0.000	0.2
935	0.2	1.400	15.963	0.000	0.2
940	0.1	1.398	15.942	0.000	0.2
945	0.1	1.396	15.919	0.000	0.2
950	0.1	1.394	15.896	0.000	0.2
955	0.1	1.392	15.873	0.000	0.2
960	0.1	1.390	15.850	0.000	0.2
965	0.1	1.388	15.820	0.000	0.2
970	0.1	1.383	15.773	0.000	0.2
975	0.0	1.379	15.725	0.000	0.2
980	0.0	1.375	15.674	0.000	0.2
985	0.0	1.370	15.621	0.000	0.2
990	0.0	1.366	15.570	0.000	0.2
995	0.0	1.361	15.520	0.000	0.2
1000	0.0	1.356	15.468	0.000	0.2
1005	0.0	1.352	15.415	0.000	0.2
1010	0.0	1.347	15.359	0.000	0.2
1015	0.0	1.342	15.304	0.000	0.2
1020	0.0	1.337	15.244	0.000	0.2
1025	0.0	1.331	15.180	0.000	0.2
1030	0.0	1.326	15.119	0.000	0.2
1035	0.0	1.321	15.056	0.000	0.2
1040	0.0	1.315	14.995	0.000	0.2
1045	0.0	1.310	14.933	0.000	0.2
1050	0.0	1.304	14.874	0.000	0.2
1055	0.0	1.299	14.812	0.000	0.2
1060	0.0	1.294	14.749	0.000	0.2
1065	0.0	1.288	14.690	0.000	0.2
1070	0.0	1.283	14.628	0.000	0.2
1075	0.0	1.278	14.568	0.000	0.2
1080	0.0	1.272	14.507	0.000	0.2
1085	0.0	1.267	14.447	0.000	0.2
1090	0.0	1.262	14.390	0.000	0.2
1095	0.0	1.257	14.331	0.000	0.2
1100	0.0	1.251	14.271	0.000	0.2
1105	0.0	1.246	14.211	0.000	0.2
1110	0.0	1.241	14.152	0.000	0.2
1115	0.0	1.236	14.093	0.000	0.2
1120	0.0	1.231	14.035	0.000	0.2
1125	0.0	1.226	13.979	0.000	0.2
1130	0.0	1.221	13.922	0.000	0.2
1135	0.0	1.216	13.864	0.000	0.2
1140	0.0	1.211	13.805	0.000	0.2

Project - 2080:	Date:		
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Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1145	0.0	1.206	13.750	0.000	0.2
1150	0.0	1.201	13.691	0.000	0.2
1155	0.0	1.196	13.637	0.000	0.2
1160	0.0	1.191	13.578	0.000	0.2
1165	0.0	1.186	13.524	0.000	0.2
1170	0.0	1.181	13.467	0.000	0.2
1175	0.0	1.176	13.414	0.000	0.2
1180	0.0	1.171	13.356	0.000	0.2
1185	0.0	1.167	13.303	0.000	0.2
1190	0.0	1.162	13.246	0.000	0.2
1195	0.0	1.157	13.193	0.000	0.2
1200	0.0	1.152	13.139	0.000	0.2
1205	0.0	1.147	13.083	0.000	0.2
1210	0.0	1.143	13.031	0.000	0.2
1215	0.0	1.138	12.977	0.000	0.2
1220	0.0	1.133	12.922	0.000	0.2
1225	0.0	1.129	12.870	0.000	0.2
1230	0.0	1.124	12.815	0.000	0.2
1235	0.0	1.119	12.765	0.000	0.2
1240	0.0	1.115	12.712	0.000	0.2
1245	0.0	1.110	12.659	0.000	0.2
1250	0.0	1.106	12.606	0.000	0.2
1255	0.0	1.101	12.553	0.000	0.2
1260	0.0	1.096	12.502	0.000	0.2
1265	0.0	1.092	12.451	0.000	0.2
1270	0.0	1.087	12.398	0.000	0.2
1275	0.0	1.083	12.348	0.000	0.2
1280	0.0	1.078	12.298	0.000	0.2
1285	0.0	1.074	12.246	0.000	0.2
1290	0.0	1.070	12.195	0.000	0.2
1295	0.0	1.065	12.146	0.000	0.2
1300	0.0	1.061	12.097	0.000	0.2
1305	0.0	1.056	12.047	0.000	0.2
1310	0.0	1.052	11.995	0.000	0.2
1315	0.0	1.048	11.947	0.000	0.2
1320	0.0	1.043	11.898	0.000	0.2
1325	0.0	1.039	11.847	0.000	0.2
1330	0.0	1.035	11.799	0.000	0.2
1335	0.0	1.031	11.752	0.000	0.2
1340	0.0	1.026	11.703	0.000	0.2
1345	0.0	1.022	11.653	0.000	0.2
1350	0.0	1.018	11.606	0.000	0.2
1355	0.0	1.014	11.559	0.000	0.2
1360	0.0	1.009	11.511	0.000	0.2
1365	0.0	1.005	11.464	0.000	0.2
1370	0.0	1.001	11.417	0.000	0.2
1375	0.0	0.997	11.370	0.000	0.2
1380	0.0	0.993	11.323	0.000	0.2
1385	0.0	0.989	11.276	0.000	0.2
1390	0.0	0.985	11.229	0.000	0.2
1395	0.0	0.981	11.183	0.000	0.2
1400	0.0	0.977	11.137	0.000	0.2
1405	0.0	0.973	11.091	0.000	0.2
1410	0.0	0.969	11.045	0.000	0.2
1415	0.0	0.965	11.000	0.000	0.2
1420	0.0	0.961	10.954	0.000	0.2
1425	0.0	0.957	10.909	0.000	0.2
1430	0.0	0.953	10.864	0.000	0.1

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
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	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1435	0.0	0.949	10.819	0.000	0.1
1440	0.0	0.945	10.775	0.000	0.1
1445	0.0	0.941	10.730	0.000	0.1
1450	0.0	0.937	10.686	0.000	0.1
1455	0.0	0.933	10.642	0.000	0.1
1460	0.0	0.929	10.598	0.000	0.1
1465	0.0	0.926	10.554	0.000	0.1
1470	0.0	0.922	10.511	0.000	0.1
1475	0.0	0.918	10.468	0.000	0.1
1480	0.0	0.914	10.424	0.000	0.1
1485	0.0	0.910	10.381	0.000	0.1
1490	0.0	0.907	10.339	0.000	0.1
1495	0.0	0.903	10.296	0.000	0.1
1500	0.0	0.899	10.253	0.000	0.1
1505	0.0	0.895	10.211	0.000	0.1
1510	0.0	0.892	10.169	0.000	0.1
1515	0.0	0.888	10.127	0.000	0.1
1520	0.0	0.884	10.085	0.000	0.1
1525	0.0	0.881	10.044	0.000	0.1
1530	0.0	0.877	10.002	0.000	0.1
1535	0.0	0.873	9.961	0.000	0.1
1540	0.0	0.870	9.920	0.000	0.1
1545	0.0	0.866	9.879	0.000	0.1
1550	0.0	0.863	9.838	0.000	0.1
1555	0.0	0.859	9.796	0.000	0.1
1560	0.0	0.856	9.757	0.000	0.1
1565	0.0	0.852	9.715	0.000	0.1
1570	0.0	0.849	9.677	0.000	0.1
1575	0.0	0.845	9.637	0.000	0.1
1580	0.0	0.842	9.597	0.000	0.1
1585	0.0	0.838	9.558	0.000	0.1
1590	0.0	0.835	9.518	0.000	0.1
1595	0.0	0.831	9.479	0.000	0.1
1600	0.0	0.828	9.440	0.000	0.1
1605	0.0	0.824	9.401	0.000	0.1
1610	0.0	0.821	9.362	0.000	0.1
1615	0.0	0.818	9.324	0.000	0.1
1620	0.0	0.814	9.285	0.000	0.1
1625	0.0	0.811	9.247	0.000	0.1
1630	0.0	0.808	9.209	0.000	0.1
1635	0.0	0.804	9.171	0.000	0.1
1640	0.0	0.801	9.133	0.000	0.1
1645	0.0	0.798	9.095	0.000	0.1
1650	0.0	0.794	9.058	0.000	0.1
1655	0.0	0.791	9.020	0.000	0.1
1660	0.0	0.788	8.983	0.000	0.1
1665	0.0	0.784	8.946	0.000	0.1
1670	0.0	0.781	8.909	0.000	0.1
1675	0.0	0.778	8.872	0.000	0.1
1680	0.0	0.775	8.836	0.000	0.1
1685	0.0	0.772	8.799	0.000	0.1
1690	0.0	0.768	8.763	0.000	0.1
1695	0.0	0.765	8.727	0.000	0.1
1700	0.0	0.762	8.691	0.000	0.1
1705	0.0	0.759	8.655	0.000	0.1
1710	0.0	0.756	8.619	0.000	0.1
1715	0.0	0.753	8.584	0.000	0.1
1720	0.0	0.750	8.548	0.000	0.1

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

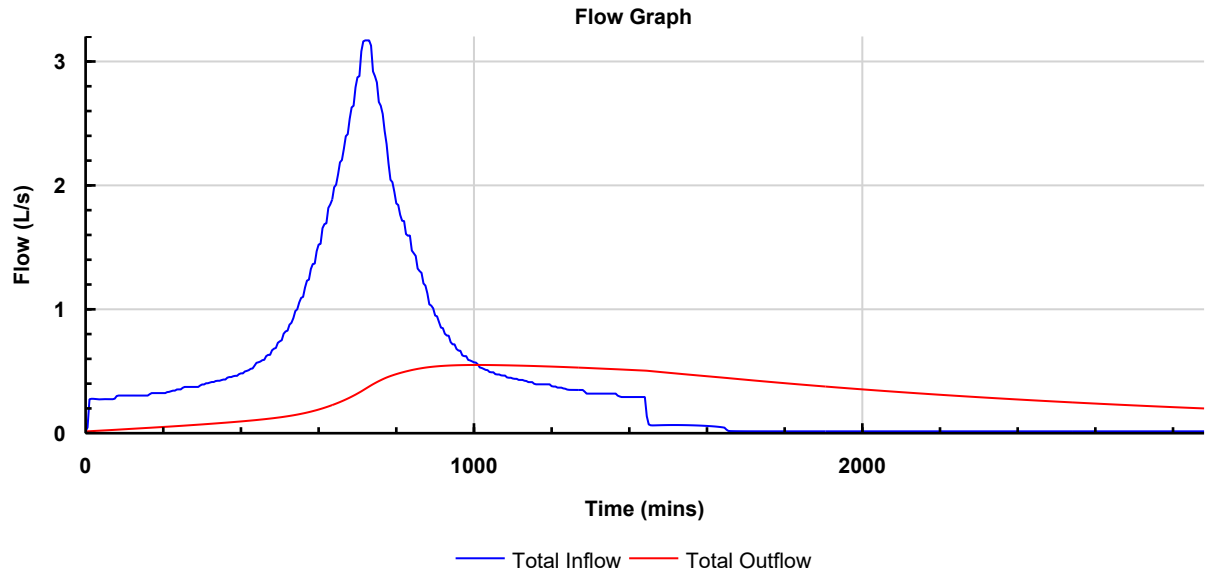
Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1725	0.0	0.747	8.513	0.000	0.1
1730	0.0	0.743	8.478	0.000	0.1
1735	0.0	0.740	8.443	0.000	0.1
1740	0.0	0.737	8.408	0.000	0.1
1745	0.0	0.734	8.374	0.000	0.1
1750	0.0	0.731	8.339	0.000	0.1
1755	0.0	0.728	8.305	0.000	0.1
1760	0.0	0.725	8.270	0.000	0.1
1765	0.0	0.722	8.236	0.000	0.1
1770	0.0	0.719	8.202	0.000	0.1
1775	0.0	0.716	8.168	0.000	0.1
1780	0.0	0.713	8.135	0.000	0.1
1785	0.0	0.710	8.101	0.000	0.1
1790	0.0	0.707	8.068	0.000	0.1
1795	0.0	0.705	8.034	0.000	0.1
1800	0.0	0.702	8.001	0.000	0.1
1805	0.0	0.699	7.968	0.000	0.1
1810	0.0	0.696	7.935	0.000	0.1
1815	0.0	0.693	7.903	0.000	0.1
1820	0.0	0.690	7.870	0.000	0.1
1825	0.0	0.687	7.838	0.000	0.1
1830	0.0	0.684	7.805	0.000	0.1
1835	0.0	0.682	7.773	0.000	0.1
1840	0.0	0.679	7.741	0.000	0.1
1845	0.0	0.676	7.709	0.000	0.1
1850	0.0	0.673	7.677	0.000	0.1
1855	0.0	0.670	7.646	0.000	0.1
1860	0.0	0.668	7.614	0.000	0.1
1865	0.0	0.665	7.583	0.000	0.1
1870	0.0	0.662	7.551	0.000	0.1
1875	0.0	0.659	7.520	0.000	0.1
1880	0.0	0.657	7.489	0.000	0.1
1885	0.0	0.654	7.458	0.000	0.1
1890	0.0	0.651	7.428	0.000	0.1
1895	0.0	0.649	7.397	0.000	0.1
1900	0.0	0.646	7.366	0.000	0.1
1905	0.0	0.643	7.336	0.000	0.1
1910	0.0	0.641	7.306	0.000	0.1
1915	0.0	0.638	7.276	0.000	0.1
1920	0.0	0.635	7.245	0.000	0.1

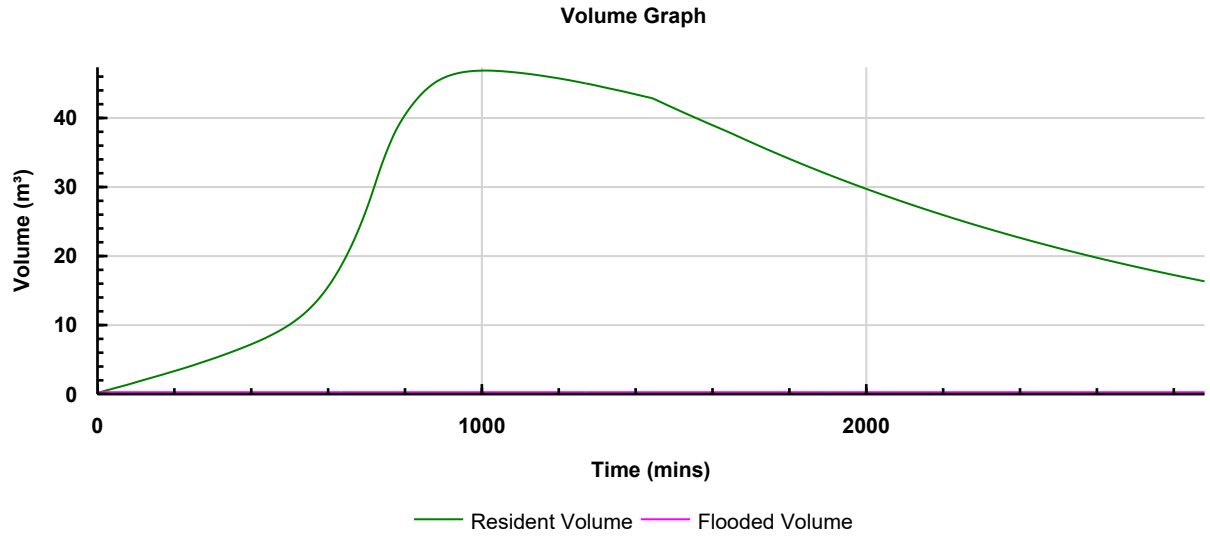
Project - 2080: Ramsbury Manor - Exhibition Centre	Date: 22/08/2025			
	Designed by: GB	Checked by:	Approved By:	
Report Details: Type: Stormwater Control Results Storm Phase: Phase	Company Address: AFA Consulting Engineers Ltd			

Soakaway (1)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

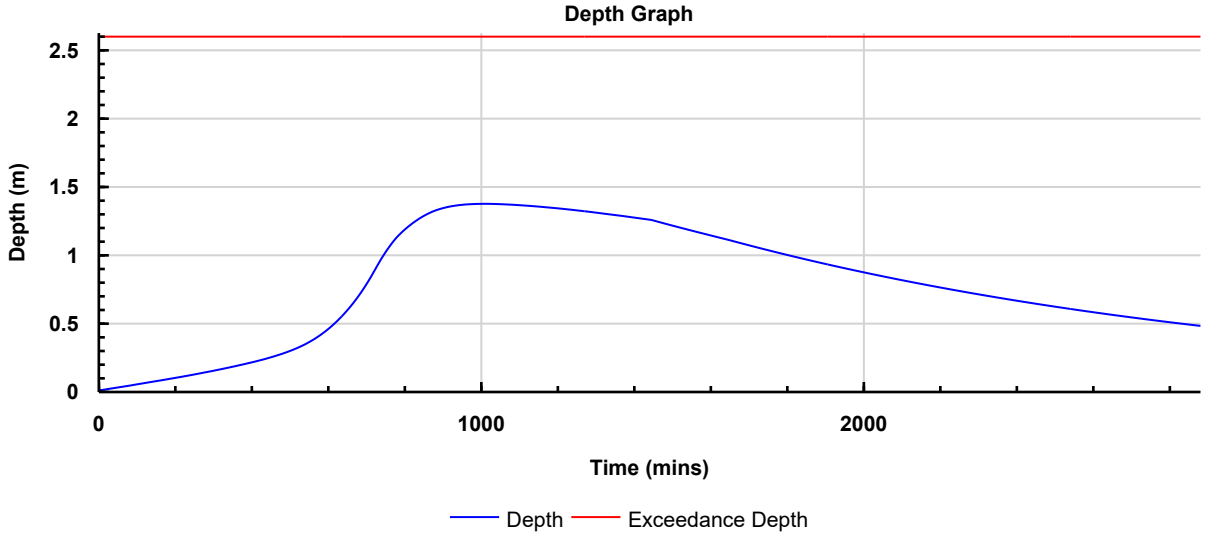
Type : Soakaway

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.0	0.000	0.002	0.000	0.0
10	0.3	0.002	0.053	0.000	0.0
15	0.3	0.004	0.131	0.000	0.0
20	0.3	0.006	0.209	0.000	0.0
25	0.3	0.008	0.287	0.000	0.0
30	0.3	0.011	0.364	0.000	0.0
35	0.3	0.013	0.440	0.000	0.0
40	0.3	0.015	0.516	0.000	0.0
45	0.3	0.017	0.592	0.000	0.0
50	0.3	0.020	0.668	0.000	0.0
55	0.3	0.022	0.744	0.000	0.0
60	0.3	0.024	0.820	0.000	0.0
65	0.3	0.026	0.895	0.000	0.0
70	0.3	0.028	0.970	0.000	0.0
75	0.3	0.031	1.045	0.000	0.0
80	0.3	0.033	1.123	0.000	0.0
85	0.3	0.035	1.206	0.000	0.0
90	0.3	0.038	1.289	0.000	0.0
95	0.3	0.040	1.371	0.000	0.0
100	0.3	0.043	1.453	0.000	0.0
105	0.3	0.045	1.535	0.000	0.0
110	0.3	0.047	1.617	0.000	0.0
115	0.3	0.050	1.698	0.000	0.0
120	0.3	0.052	1.779	0.000	0.0
125	0.3	0.054	1.860	0.000	0.0
130	0.3	0.057	1.941	0.000	0.0
135	0.3	0.059	2.021	0.000	0.0
140	0.3	0.061	2.101	0.000	0.0
145	0.3	0.064	2.180	0.000	0.0
150	0.3	0.066	2.260	0.000	0.0
155	0.3	0.068	2.339	0.000	0.0
160	0.3	0.071	2.418	0.000	0.0
165	0.3	0.073	2.497	0.000	0.0
170	0.3	0.075	2.581	0.000	0.0
175	0.3	0.078	2.665	0.000	0.0
180	0.3	0.080	2.748	0.000	0.0
185	0.3	0.083	2.832	0.000	0.0
190	0.3	0.085	2.915	0.000	0.0
195	0.3	0.088	2.998	0.000	0.0
200	0.3	0.090	3.080	0.000	0.0
205	0.3	0.092	3.162	0.000	0.0
210	0.3	0.095	3.245	0.000	0.0
215	0.3	0.097	3.330	0.000	0.0
220	0.3	0.100	3.415	0.000	0.0
225	0.3	0.102	3.501	0.000	0.0
230	0.3	0.105	3.588	0.000	0.0
235	0.3	0.107	3.676	0.000	0.0
240	0.3	0.110	3.765	0.000	0.0
245	0.3	0.113	3.854	0.000	0.0
250	0.4	0.115	3.944	0.000	0.0
255	0.4	0.118	4.038	0.000	0.0
260	0.4	0.121	4.131	0.000	0.0
265	0.4	0.124	4.225	0.000	0.0
270	0.4	0.126	4.318	0.000	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
275	0.4	0.129	4.411	0.000	0.1
280	0.4	0.132	4.504	0.000	0.1
285	0.4	0.134	4.596	0.000	0.1
290	0.4	0.137	4.688	0.000	0.1
295	0.4	0.140	4.781	0.000	0.1
300	0.4	0.143	4.878	0.000	0.1
305	0.4	0.145	4.975	0.000	0.1
310	0.4	0.148	5.073	0.000	0.1
315	0.4	0.151	5.172	0.000	0.1
320	0.4	0.154	5.272	0.000	0.1
325	0.4	0.157	5.373	0.000	0.1
330	0.4	0.160	5.474	0.000	0.1
335	0.4	0.163	5.576	0.000	0.1
340	0.4	0.166	5.680	0.000	0.1
345	0.4	0.169	5.783	0.000	0.1
350	0.4	0.172	5.886	0.000	0.1
355	0.4	0.175	5.991	0.000	0.1
360	0.4	0.178	6.097	0.000	0.1
365	0.4	0.181	6.203	0.000	0.1
370	0.4	0.185	6.313	0.000	0.1
375	0.4	0.188	6.423	0.000	0.1
380	0.4	0.191	6.534	0.000	0.1
385	0.4	0.194	6.646	0.000	0.1
390	0.4	0.198	6.758	0.000	0.1
395	0.5	0.201	6.871	0.000	0.1
400	0.5	0.204	6.987	0.000	0.1
405	0.5	0.208	7.104	0.000	0.1
410	0.5	0.211	7.222	0.000	0.1
415	0.5	0.215	7.344	0.000	0.1
420	0.5	0.218	7.466	0.000	0.1
425	0.5	0.222	7.590	0.000	0.1
430	0.5	0.226	7.717	0.000	0.1
435	0.5	0.229	7.846	0.000	0.1
440	0.6	0.233	7.982	0.000	0.1
445	0.6	0.237	8.122	0.000	0.1
450	0.6	0.242	8.262	0.000	0.1
455	0.6	0.246	8.404	0.000	0.1
460	0.6	0.250	8.548	0.000	0.1
465	0.6	0.254	8.696	0.000	0.1
470	0.6	0.259	8.851	0.000	0.1
475	0.6	0.263	9.007	0.000	0.1
480	0.7	0.268	9.166	0.000	0.1
485	0.7	0.273	9.334	0.000	0.1
490	0.7	0.278	9.503	0.000	0.1
495	0.7	0.283	9.678	0.000	0.1
500	0.7	0.288	9.859	0.000	0.1
505	0.7	0.294	10.045	0.000	0.1
510	0.8	0.299	10.238	0.000	0.1
515	0.8	0.306	10.444	0.000	0.1
520	0.8	0.312	10.651	0.000	0.1
525	0.9	0.318	10.865	0.000	0.1
530	0.9	0.324	11.090	0.000	0.1
535	0.9	0.331	11.320	0.000	0.1
540	1.0	0.338	11.564	0.000	0.1
545	1.0	0.346	11.819	0.000	0.1
550	1.0	0.353	12.082	0.000	0.1
555	1.1	0.362	12.359	0.000	0.1
560	1.1	0.370	12.643	0.000	0.1

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
565	1.2	0.378	12.934	0.000	0.1
570	1.2	0.388	13.248	0.000	0.2
575	1.2	0.397	13.571	0.000	0.2
580	1.3	0.407	13.902	0.000	0.2
585	1.4	0.417	14.257	0.000	0.2
590	1.4	0.428	14.615	0.000	0.2
595	1.5	0.438	14.984	0.000	0.2
600	1.5	0.450	15.380	0.000	0.2
605	1.5	0.462	15.782	0.000	0.2
610	1.6	0.474	16.198	0.000	0.2
615	1.7	0.487	16.643	0.000	0.2
620	1.7	0.500	17.090	0.000	0.2
625	1.8	0.513	17.552	0.000	0.2
630	1.8	0.528	18.041	0.000	0.2
635	1.9	0.542	18.535	0.000	0.2
640	2.0	0.557	19.047	0.000	0.2
645	2.0	0.573	19.580	0.000	0.2
650	2.1	0.589	20.121	0.000	0.2
655	2.2	0.605	20.690	0.000	0.2
660	2.2	0.622	21.277	0.000	0.2
665	2.3	0.640	21.874	0.000	0.3
670	2.4	0.658	22.500	0.000	0.3
675	2.4	0.677	23.143	0.000	0.3
680	2.5	0.696	23.801	0.000	0.3
685	2.6	0.716	24.493	0.000	0.3
690	2.6	0.737	25.199	0.000	0.3
695	2.8	0.758	25.921	0.000	0.3
700	2.9	0.781	26.681	0.000	0.3
705	2.9	0.803	27.452	0.000	0.3
710	3.1	0.826	28.245	0.000	0.3
715	3.2	0.851	29.086	0.000	0.3
720	3.2	0.876	29.935	0.000	0.3
725	3.2	0.900	30.782	0.000	0.4
730	3.2	0.925	31.625	0.000	0.4
735	3.1	0.950	32.461	0.000	0.4
740	2.9	0.973	33.259	0.000	0.4
745	2.9	0.995	34.009	0.000	0.4
750	2.8	1.016	34.748	0.000	0.4
755	2.7	1.037	35.455	0.000	0.4
760	2.6	1.057	36.125	0.000	0.4
765	2.6	1.076	36.784	0.000	0.4
770	2.4	1.094	37.410	0.000	0.4
775	2.3	1.111	38.001	0.000	0.4
780	2.2	1.127	38.540	0.000	0.4
785	2.0	1.142	39.038	0.000	0.4
790	2.0	1.155	39.511	0.000	0.5
795	1.9	1.169	39.970	0.000	0.5
800	1.8	1.181	40.400	0.000	0.5
805	1.8	1.193	40.812	0.000	0.5
810	1.8	1.205	41.212	0.000	0.5
815	1.7	1.216	41.590	0.000	0.5
820	1.7	1.227	41.954	0.000	0.5
825	1.6	1.237	42.308	0.000	0.5
830	1.6	1.247	42.638	0.000	0.5
835	1.6	1.256	42.968	0.000	0.5
840	1.5	1.266	43.281	0.000	0.5
845	1.4	1.274	43.567	0.000	0.5
850	1.4	1.282	43.843	0.000	0.5

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
855	1.3	1.290	44.105	0.000	0.5
860	1.3	1.297	44.344	0.000	0.5
865	1.3	1.303	44.579	0.000	0.5
870	1.2	1.310	44.800	0.000	0.5
875	1.2	1.316	45.001	0.000	0.5
880	1.1	1.321	45.192	0.000	0.5
885	1.0	1.326	45.358	0.000	0.5
890	1.0	1.331	45.508	0.000	0.5
895	1.0	1.335	45.654	0.000	0.5
900	0.9	1.339	45.788	0.000	0.5
905	0.9	1.342	45.910	0.000	0.5
910	0.9	1.346	46.026	0.000	0.5
915	0.8	1.349	46.127	0.000	0.5
920	0.8	1.351	46.217	0.000	0.5
925	0.8	1.354	46.303	0.000	0.5
930	0.8	1.356	46.378	0.000	0.5
935	0.8	1.358	46.451	0.000	0.5
940	0.7	1.360	46.517	0.000	0.5
945	0.7	1.362	46.570	0.000	0.5
950	0.7	1.363	46.621	0.000	0.5
955	0.7	1.364	46.668	0.000	0.5
960	0.7	1.366	46.705	0.000	0.5
965	0.7	1.367	46.740	0.000	0.5
970	0.6	1.367	46.770	0.000	0.5
975	0.6	1.368	46.792	0.000	0.5
980	0.6	1.369	46.814	0.000	0.5
985	0.6	1.369	46.832	0.000	0.5
990	0.6	1.370	46.843	0.000	0.5
995	0.6	1.370	46.853	0.000	0.5
1000	0.6	1.370	46.861	0.000	0.5
1005	0.6	1.370	46.867	0.000	0.5
1010	0.5	1.370	46.871	0.000	0.5
1015	0.5	1.370	46.869	0.000	0.5
1020	0.5	1.370	46.862	0.000	0.5
1025	0.5	1.370	46.854	0.000	0.5
1030	0.5	1.370	46.843	0.000	0.5
1035	0.5	1.369	46.831	0.000	0.5
1040	0.5	1.369	46.816	0.000	0.5
1045	0.5	1.368	46.799	0.000	0.5
1050	0.5	1.368	46.781	0.000	0.5
1055	0.5	1.367	46.762	0.000	0.5
1060	0.5	1.366	46.739	0.000	0.5
1065	0.5	1.366	46.717	0.000	0.5
1070	0.5	1.365	46.693	0.000	0.5
1075	0.5	1.364	46.668	0.000	0.5
1080	0.5	1.364	46.643	0.000	0.5
1085	0.4	1.363	46.616	0.000	0.5
1090	0.4	1.362	46.586	0.000	0.5
1095	0.4	1.361	46.556	0.000	0.5
1100	0.4	1.360	46.526	0.000	0.5
1105	0.4	1.359	46.493	0.000	0.5
1110	0.4	1.358	46.461	0.000	0.5
1115	0.4	1.357	46.428	0.000	0.5
1120	0.4	1.356	46.393	0.000	0.5
1125	0.4	1.355	46.358	0.000	0.5
1130	0.4	1.354	46.323	0.000	0.5
1135	0.4	1.353	46.286	0.000	0.5
1140	0.4	1.352	46.248	0.000	0.5

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1145	0.4	1.351	46.208	0.000	0.5
1150	0.4	1.350	46.169	0.000	0.5
1155	0.4	1.349	46.128	0.000	0.5
1160	0.4	1.347	46.084	0.000	0.5
1165	0.4	1.346	46.039	0.000	0.5
1170	0.4	1.345	45.994	0.000	0.5
1175	0.4	1.343	45.951	0.000	0.5
1180	0.4	1.342	45.907	0.000	0.5
1185	0.4	1.341	45.863	0.000	0.5
1190	0.4	1.340	45.819	0.000	0.5
1195	0.4	1.338	45.776	0.000	0.5
1200	0.4	1.337	45.731	0.000	0.5
1205	0.4	1.336	45.683	0.000	0.5
1210	0.4	1.334	45.634	0.000	0.5
1215	0.4	1.333	45.585	0.000	0.5
1220	0.4	1.331	45.534	0.000	0.5
1225	0.4	1.330	45.484	0.000	0.5
1230	0.3	1.328	45.433	0.000	0.5
1235	0.3	1.327	45.380	0.000	0.5
1240	0.3	1.325	45.327	0.000	0.5
1245	0.3	1.324	45.272	0.000	0.5
1250	0.3	1.322	45.217	0.000	0.5
1255	0.3	1.320	45.162	0.000	0.5
1260	0.3	1.319	45.108	0.000	0.5
1265	0.3	1.317	45.053	0.000	0.5
1270	0.3	1.316	44.999	0.000	0.5
1275	0.3	1.314	44.944	0.000	0.5
1280	0.3	1.312	44.890	0.000	0.5
1285	0.3	1.311	44.835	0.000	0.5
1290	0.3	1.309	44.775	0.000	0.5
1295	0.3	1.307	44.712	0.000	0.5
1300	0.3	1.305	44.650	0.000	0.5
1305	0.3	1.304	44.588	0.000	0.5
1310	0.3	1.302	44.526	0.000	0.5
1315	0.3	1.300	44.465	0.000	0.5
1320	0.3	1.298	44.403	0.000	0.5
1325	0.3	1.296	44.342	0.000	0.5
1330	0.3	1.295	44.281	0.000	0.5
1335	0.3	1.293	44.221	0.000	0.5
1340	0.3	1.291	44.160	0.000	0.5
1345	0.3	1.289	44.099	0.000	0.5
1350	0.3	1.288	44.040	0.000	0.5
1355	0.3	1.286	43.979	0.000	0.5
1360	0.3	1.284	43.921	0.000	0.5
1365	0.3	1.282	43.861	0.000	0.5
1370	0.3	1.280	43.800	0.000	0.5
1375	0.3	1.279	43.735	0.000	0.5
1380	0.3	1.277	43.668	0.000	0.5
1385	0.3	1.275	43.602	0.000	0.5
1390	0.3	1.273	43.535	0.000	0.5
1395	0.3	1.271	43.469	0.000	0.5
1400	0.3	1.269	43.402	0.000	0.5
1405	0.3	1.267	43.335	0.000	0.5
1410	0.3	1.265	43.271	0.000	0.5
1415	0.3	1.263	43.205	0.000	0.5
1420	0.3	1.261	43.140	0.000	0.5
1425	0.3	1.259	43.074	0.000	0.5
1430	0.3	1.257	43.010	0.000	0.5

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
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	GB		
Report Details:	Company Address:		
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Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1435	0.3	1.256	42.945	0.000	0.5
1440	0.3	1.254	42.881	0.000	0.5
1445	0.1	1.251	42.799	0.000	0.5
1450	0.1	1.248	42.675	0.000	0.5
1455	0.0	1.244	42.547	0.000	0.5
1460	0.0	1.240	42.412	0.000	0.5
1465	0.0	1.236	42.283	0.000	0.5
1470	0.0	1.232	42.155	0.000	0.5
1475	0.0	1.228	42.025	0.000	0.5
1480	0.0	1.225	41.896	0.000	0.5
1485	0.0	1.221	41.761	0.000	0.5
1490	0.1	1.217	41.638	0.000	0.5
1495	0.1	1.213	41.509	0.000	0.5
1500	0.1	1.210	41.382	0.000	0.5
1505	0.1	1.206	41.252	0.000	0.5
1510	0.1	1.202	41.128	0.000	0.5
1515	0.1	1.199	41.001	0.000	0.5
1520	0.1	1.195	40.877	0.000	0.5
1525	0.1	1.191	40.750	0.000	0.5
1530	0.1	1.188	40.625	0.000	0.5
1535	0.1	1.184	40.500	0.000	0.5
1540	0.1	1.180	40.372	0.000	0.5
1545	0.1	1.177	40.253	0.000	0.5
1550	0.0	1.173	40.127	0.000	0.5
1555	0.0	1.169	40.003	0.000	0.5
1560	0.0	1.166	39.884	0.000	0.5
1565	0.0	1.162	39.762	0.000	0.5
1570	0.0	1.159	39.639	0.000	0.5
1575	0.0	1.155	39.512	0.000	0.5
1580	0.0	1.152	39.390	0.000	0.5
1585	0.0	1.148	39.274	0.000	0.5
1590	0.0	1.145	39.149	0.000	0.4
1595	0.0	1.141	39.027	0.000	0.4
1600	0.0	1.137	38.909	0.000	0.4
1605	0.0	1.134	38.787	0.000	0.4
1610	0.0	1.130	38.669	0.000	0.4
1615	0.0	1.127	38.545	0.000	0.4
1620	0.0	1.123	38.428	0.000	0.4
1625	0.0	1.120	38.305	0.000	0.4
1630	0.0	1.116	38.184	0.000	0.4
1635	0.0	1.113	38.066	0.000	0.4
1640	0.0	1.109	37.944	0.000	0.4
1645	0.0	1.106	37.818	0.000	0.4
1650	0.0	1.102	37.702	0.000	0.4
1655	0.0	1.098	37.571	0.000	0.4
1660	0.0	1.095	37.440	0.000	0.4
1665	0.0	1.091	37.313	0.000	0.4
1670	0.0	1.087	37.189	0.000	0.4
1675	0.0	1.083	37.062	0.000	0.4
1680	0.0	1.080	36.932	0.000	0.4
1685	0.0	1.076	36.802	0.000	0.4
1690	0.0	1.072	36.680	0.000	0.4
1695	0.0	1.069	36.555	0.000	0.4
1700	0.0	1.065	36.431	0.000	0.4
1705	0.0	1.061	36.302	0.000	0.4
1710	0.0	1.058	36.175	0.000	0.4
1715	0.0	1.054	36.052	0.000	0.4
1720	0.0	1.050	35.928	0.000	0.4

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
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Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1725	0.0	1.047	35.805	0.000	0.4
1730	0.0	1.043	35.681	0.000	0.4
1735	0.0	1.040	35.563	0.000	0.4
1740	0.0	1.036	35.441	0.000	0.4
1745	0.0	1.032	35.314	0.000	0.4
1750	0.0	1.029	35.197	0.000	0.4
1755	0.0	1.025	35.077	0.000	0.4
1760	0.0	1.022	34.956	0.000	0.4
1765	0.0	1.018	34.836	0.000	0.4
1770	0.0	1.015	34.716	0.000	0.4
1775	0.0	1.011	34.597	0.000	0.4
1780	0.0	1.008	34.478	0.000	0.4
1785	0.0	1.004	34.359	0.000	0.4
1790	0.0	1.001	34.241	0.000	0.4
1795	0.0	0.997	34.124	0.000	0.4
1800	0.0	0.994	34.006	0.000	0.4
1805	0.0	0.991	33.889	0.000	0.4
1810	0.0	0.987	33.773	0.000	0.4
1815	0.0	0.984	33.657	0.000	0.4
1820	0.0	0.980	33.541	0.000	0.4
1825	0.0	0.977	33.426	0.000	0.4
1830	0.0	0.974	33.311	0.000	0.4
1835	0.0	0.970	33.196	0.000	0.4
1840	0.0	0.967	33.082	0.000	0.4
1845	0.0	0.964	32.968	0.000	0.4
1850	0.0	0.960	32.855	0.000	0.4
1855	0.0	0.957	32.742	0.000	0.4
1860	0.0	0.954	32.629	0.000	0.4
1865	0.0	0.951	32.517	0.000	0.4
1870	0.0	0.947	32.405	0.000	0.4
1875	0.0	0.944	32.294	0.000	0.4
1880	0.0	0.941	32.183	0.000	0.4
1885	0.0	0.938	32.072	0.000	0.4
1890	0.0	0.934	31.962	0.000	0.4
1895	0.0	0.931	31.852	0.000	0.4
1900	0.0	0.928	31.743	0.000	0.4
1905	0.0	0.925	31.633	0.000	0.4
1910	0.0	0.922	31.525	0.000	0.4
1915	0.0	0.918	31.416	0.000	0.4
1920	0.0	0.915	31.308	0.000	0.4
1925	0.0	0.912	31.201	0.000	0.4
1930	0.0	0.909	31.093	0.000	0.4
1935	0.0	0.906	30.986	0.000	0.4
1940	0.0	0.903	30.878	0.000	0.4
1945	0.0	0.900	30.774	0.000	0.4
1950	0.0	0.896	30.668	0.000	0.4
1955	0.0	0.893	30.562	0.000	0.4
1960	0.0	0.890	30.457	0.000	0.3
1965	0.0	0.887	30.349	0.000	0.3
1970	0.0	0.884	30.248	0.000	0.3
1975	0.0	0.881	30.144	0.000	0.3
1980	0.0	0.878	30.041	0.000	0.3
1985	0.0	0.875	29.937	0.000	0.3
1990	0.0	0.872	29.833	0.000	0.3
1995	0.0	0.869	29.732	0.000	0.3
2000	0.0	0.866	29.630	0.000	0.3
2005	0.0	0.863	29.528	0.000	0.3
2010	0.0	0.860	29.426	0.000	0.3

Project - 2080:	Date:		
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Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
2015	0.0	0.857	29.325	0.000	0.3
2020	0.0	0.854	29.224	0.000	0.3
2025	0.0	0.851	29.124	0.000	0.3
2030	0.0	0.848	29.024	0.000	0.3
2035	0.0	0.845	28.924	0.000	0.3
2040	0.0	0.843	28.824	0.000	0.3
2045	0.0	0.840	28.725	0.000	0.3
2050	0.0	0.837	28.626	0.000	0.3
2055	0.0	0.834	28.528	0.000	0.3
2060	0.0	0.831	28.430	0.000	0.3
2065	0.0	0.828	28.332	0.000	0.3
2070	0.0	0.825	28.235	0.000	0.3
2075	0.0	0.823	28.138	0.000	0.3
2080	0.0	0.820	28.041	0.000	0.3
2085	0.0	0.817	27.944	0.000	0.3
2090	0.0	0.814	27.848	0.000	0.3
2095	0.0	0.811	27.753	0.000	0.3
2100	0.0	0.808	27.657	0.000	0.3
2105	0.0	0.806	27.562	0.000	0.3
2110	0.0	0.803	27.467	0.000	0.3
2115	0.0	0.800	27.373	0.000	0.3
2120	0.0	0.797	27.279	0.000	0.3
2125	0.0	0.795	27.185	0.000	0.3
2130	0.0	0.792	27.092	0.000	0.3
2135	0.0	0.789	26.998	0.000	0.3
2140	0.0	0.786	26.906	0.000	0.3
2145	0.0	0.784	26.813	0.000	0.3
2150	0.0	0.781	26.721	0.000	0.3
2155	0.0	0.778	26.629	0.000	0.3
2160	0.0	0.776	26.537	0.000	0.3
2165	0.0	0.773	26.446	0.000	0.3
2170	0.0	0.770	26.355	0.000	0.3
2175	0.0	0.768	26.265	0.000	0.3
2180	0.0	0.765	26.174	0.000	0.3
2185	0.0	0.762	26.084	0.000	0.3
2190	0.0	0.760	25.995	0.000	0.3
2195	0.0	0.757	25.905	0.000	0.3
2200	0.0	0.755	25.816	0.000	0.3
2205	0.0	0.752	25.727	0.000	0.3
2210	0.0	0.749	25.639	0.000	0.3
2215	0.0	0.747	25.551	0.000	0.3
2220	0.0	0.744	25.463	0.000	0.3
2225	0.0	0.742	25.375	0.000	0.3
2230	0.0	0.739	25.288	0.000	0.3
2235	0.0	0.737	25.201	0.000	0.3
2240	0.0	0.734	25.114	0.000	0.3
2245	0.0	0.732	25.028	0.000	0.3
2250	0.0	0.729	24.942	0.000	0.3
2255	0.0	0.727	24.856	0.000	0.3
2260	0.0	0.724	24.771	0.000	0.3
2265	0.0	0.722	24.686	0.000	0.3
2270	0.0	0.719	24.601	0.000	0.3
2275	0.0	0.717	24.516	0.000	0.3
2280	0.0	0.714	24.432	0.000	0.3
2285	0.0	0.712	24.348	0.000	0.3
2290	0.0	0.709	24.264	0.000	0.3
2295	0.0	0.707	24.181	0.000	0.3
2300	0.0	0.704	24.098	0.000	0.3

Project - 2080:	Date:		
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Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
2305	0.0	0.702	24.015	0.000	0.3
2310	0.0	0.700	23.932	0.000	0.3
2315	0.0	0.697	23.850	0.000	0.3
2320	0.0	0.695	23.768	0.000	0.3
2325	0.0	0.692	23.686	0.000	0.3
2330	0.0	0.690	23.605	0.000	0.3
2335	0.0	0.688	23.524	0.000	0.3
2340	0.0	0.685	23.443	0.000	0.3
2345	0.0	0.683	23.362	0.000	0.3
2350	0.0	0.681	23.282	0.000	0.3
2355	0.0	0.678	23.202	0.000	0.3
2360	0.0	0.676	23.122	0.000	0.3
2365	0.0	0.674	23.042	0.000	0.3
2370	0.0	0.671	22.963	0.000	0.3
2375	0.0	0.669	22.884	0.000	0.3
2380	0.0	0.667	22.806	0.000	0.3
2385	0.0	0.664	22.727	0.000	0.3
2390	0.0	0.662	22.649	0.000	0.3
2395	0.0	0.660	22.571	0.000	0.3
2400	0.0	0.658	22.493	0.000	0.3
2405	0.0	0.655	22.416	0.000	0.3
2410	0.0	0.653	22.339	0.000	0.3
2415	0.0	0.651	22.262	0.000	0.3
2420	0.0	0.649	22.186	0.000	0.3
2425	0.0	0.646	22.109	0.000	0.3
2430	0.0	0.644	22.033	0.000	0.3
2435	0.0	0.642	21.958	0.000	0.3
2440	0.0	0.640	21.882	0.000	0.3
2445	0.0	0.637	21.807	0.000	0.3
2450	0.0	0.635	21.732	0.000	0.2
2455	0.0	0.633	21.657	0.000	0.2
2460	0.0	0.631	21.583	0.000	0.2
2465	0.0	0.629	21.509	0.000	0.2
2470	0.0	0.627	21.435	0.000	0.2
2475	0.0	0.624	21.361	0.000	0.2
2480	0.0	0.622	21.287	0.000	0.2
2485	0.0	0.620	21.214	0.000	0.2
2490	0.0	0.618	21.141	0.000	0.2
2495	0.0	0.616	21.069	0.000	0.2
2500	0.0	0.614	20.996	0.000	0.2
2505	0.0	0.612	20.924	0.000	0.2
2510	0.0	0.610	20.852	0.000	0.2
2515	0.0	0.607	20.780	0.000	0.2
2520	0.0	0.605	20.709	0.000	0.2
2525	0.0	0.603	20.638	0.000	0.2
2530	0.0	0.601	20.567	0.000	0.2
2535	0.0	0.599	20.496	0.000	0.2
2540	0.0	0.597	20.425	0.000	0.2
2545	0.0	0.595	20.355	0.000	0.2
2550	0.0	0.593	20.285	0.000	0.2
2555	0.0	0.591	20.216	0.000	0.2
2560	0.0	0.589	20.146	0.000	0.2
2565	0.0	0.587	20.077	0.000	0.2
2570	0.0	0.585	20.008	0.000	0.2
2575	0.0	0.583	19.939	0.000	0.2
2580	0.0	0.581	19.870	0.000	0.2
2585	0.0	0.579	19.802	0.000	0.2
2590	0.0	0.577	19.734	0.000	0.2

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
2595	0.0	0.575	19.666	0.000	0.2
2600	0.0	0.573	19.598	0.000	0.2
2605	0.0	0.571	19.531	0.000	0.2
2610	0.0	0.569	19.464	0.000	0.2
2615	0.0	0.567	19.397	0.000	0.2
2620	0.0	0.565	19.330	0.000	0.2
2625	0.0	0.563	19.264	0.000	0.2
2630	0.0	0.561	19.198	0.000	0.2
2635	0.0	0.559	19.132	0.000	0.2
2640	0.0	0.557	19.066	0.000	0.2
2645	0.0	0.555	19.000	0.000	0.2
2650	0.0	0.553	18.935	0.000	0.2
2655	0.0	0.552	18.870	0.000	0.2
2660	0.0	0.550	18.805	0.000	0.2
2665	0.0	0.548	18.740	0.000	0.2
2670	0.0	0.546	18.676	0.000	0.2
2675	0.0	0.544	18.612	0.000	0.2
2680	0.0	0.542	18.548	0.000	0.2
2685	0.0	0.540	18.484	0.000	0.2
2690	0.0	0.538	18.420	0.000	0.2
2695	0.0	0.537	18.357	0.000	0.2
2700	0.0	0.535	18.294	0.000	0.2
2705	0.0	0.533	18.231	0.000	0.2
2710	0.0	0.531	18.168	0.000	0.2
2715	0.0	0.529	18.106	0.000	0.2
2720	0.0	0.527	18.044	0.000	0.2
2725	0.0	0.526	17.981	0.000	0.2
2730	0.0	0.524	17.920	0.000	0.2
2735	0.0	0.522	17.858	0.000	0.2
2740	0.0	0.520	17.797	0.000	0.2
2745	0.0	0.518	17.735	0.000	0.2
2750	0.0	0.517	17.674	0.000	0.2
2755	0.0	0.515	17.614	0.000	0.2
2760	0.0	0.513	17.553	0.000	0.2
2765	0.0	0.511	17.493	0.000	0.2
2770	0.0	0.510	17.433	0.000	0.2
2775	0.0	0.508	17.373	0.000	0.2
2780	0.0	0.506	17.313	0.000	0.2
2785	0.0	0.504	17.253	0.000	0.2
2790	0.0	0.503	17.194	0.000	0.2
2795	0.0	0.501	17.135	0.000	0.2
2800	0.0	0.499	17.076	0.000	0.2
2805	0.0	0.497	17.017	0.000	0.2
2810	0.0	0.496	16.959	0.000	0.2
2815	0.0	0.494	16.901	0.000	0.2
2820	0.0	0.492	16.842	0.000	0.2
2825	0.0	0.491	16.784	0.000	0.2
2830	0.0	0.489	16.727	0.000	0.2
2835	0.0	0.487	16.669	0.000	0.2
2840	0.0	0.486	16.612	0.000	0.2
2845	0.0	0.484	16.555	0.000	0.2
2850	0.0	0.482	16.498	0.000	0.2
2855	0.0	0.481	16.441	0.000	0.2
2860	0.0	0.479	16.385	0.000	0.2
2865	0.0	0.477	16.328	0.000	0.2
2870	0.0	0.476	16.272	0.000	0.2
2875	0.0	0.474	16.216	0.000	0.2
2880	0.0	0.472	16.160	0.000	0.2

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
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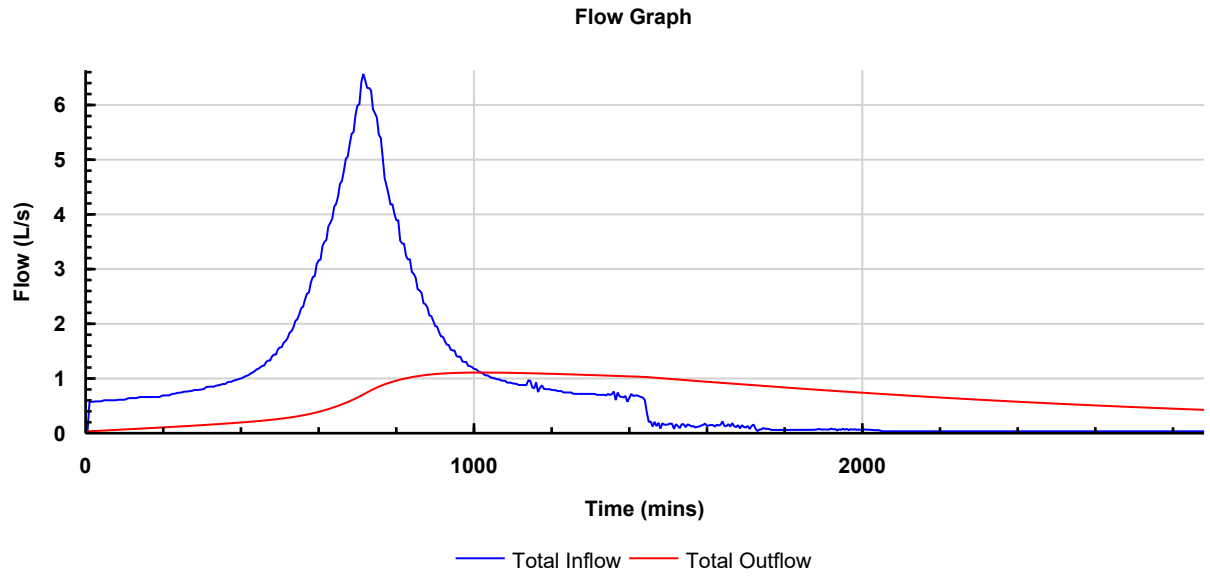
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

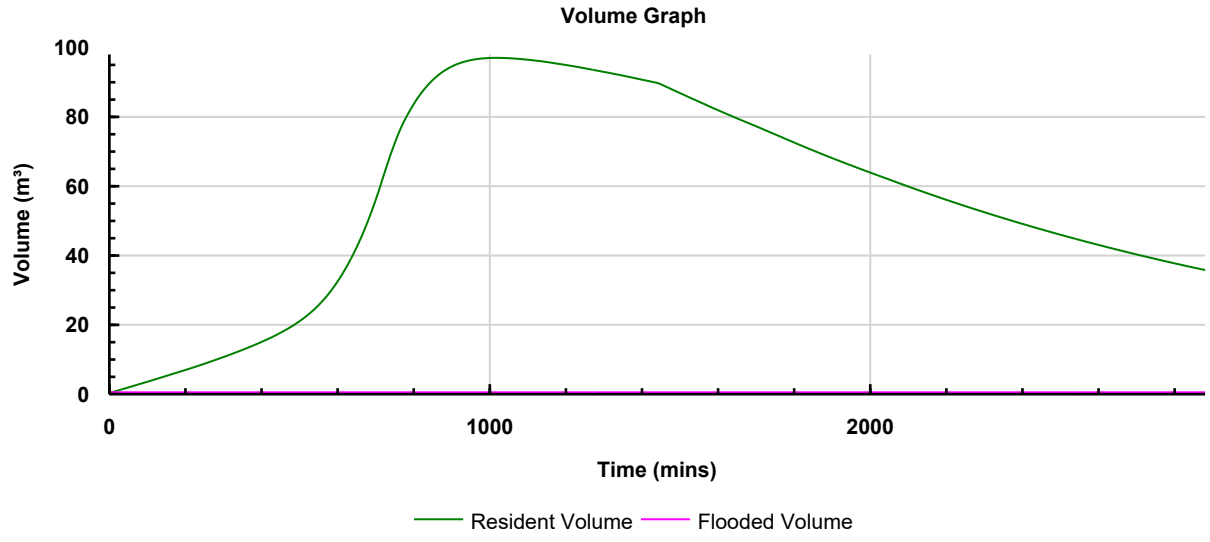
Project - 2080: Ramsbury Manor - Exhibition Centre	Date: 22/08/2025			
	Designed by: GB	Checked by:	Approved By:	
Report Details: Type: Stormwater Control Results Storm Phase: Phase	Company Address: AFA Consulting Engineers Ltd			

Soakaway (2)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

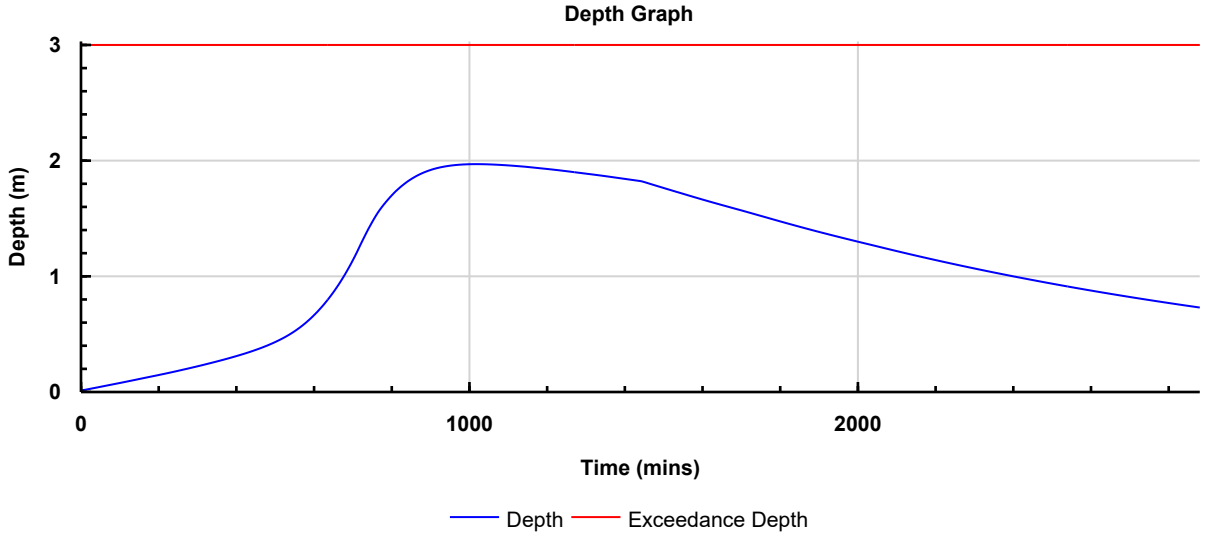
Type : Soakaway

Graphs





Project - 2080: Ramsbury Manor - Exhibition Centre	Date: 22/08/2025		
	Designed by: GB	Checked by:	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Phase	Company Address: AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.0	0.000	0.004	0.000	0.0
10	0.5	0.002	0.112	0.000	0.0
15	0.5	0.006	0.274	0.000	0.0
20	0.5	0.009	0.436	0.000	0.0
25	0.5	0.012	0.598	0.000	0.0
30	0.5	0.015	0.760	0.000	0.0
35	0.5	0.019	0.922	0.000	0.0
40	0.6	0.022	1.084	0.000	0.0
45	0.6	0.025	1.247	0.000	0.0
50	0.6	0.029	1.413	0.000	0.0
55	0.6	0.032	1.579	0.000	0.0
60	0.6	0.035	1.745	0.000	0.0
65	0.6	0.039	1.910	0.000	0.0
70	0.6	0.042	2.074	0.000	0.0
75	0.6	0.045	2.238	0.000	0.0
80	0.6	0.049	2.402	0.000	0.0
85	0.6	0.052	2.567	0.000	0.0
90	0.6	0.055	2.732	0.000	0.0
95	0.6	0.059	2.897	0.000	0.0
100	0.6	0.062	3.061	0.000	0.0
105	0.6	0.065	3.226	0.000	0.0
110	0.6	0.069	3.395	0.000	0.0
115	0.6	0.072	3.566	0.000	0.0
120	0.6	0.076	3.737	0.000	0.0
125	0.6	0.079	3.907	0.000	0.0
130	0.6	0.083	4.077	0.000	0.0
135	0.6	0.086	4.247	0.000	0.0
140	0.6	0.090	4.421	0.000	0.0
145	0.6	0.093	4.595	0.000	0.1
150	0.6	0.097	4.768	0.000	0.1
155	0.6	0.100	4.941	0.000	0.1
160	0.6	0.104	5.113	0.000	0.1
165	0.6	0.107	5.285	0.000	0.1
170	0.6	0.110	5.456	0.000	0.1
175	0.6	0.114	5.627	0.000	0.1
180	0.6	0.117	5.797	0.000	0.1
185	0.6	0.121	5.966	0.000	0.1
190	0.6	0.124	6.135	0.000	0.1
195	0.6	0.128	6.305	0.000	0.1
200	0.7	0.131	6.481	0.000	0.1
205	0.7	0.135	6.657	0.000	0.1
210	0.7	0.138	6.833	0.000	0.1
215	0.7	0.142	7.008	0.000	0.1
220	0.7	0.145	7.184	0.000	0.1
225	0.7	0.149	7.366	0.000	0.1
230	0.7	0.153	7.548	0.000	0.1
235	0.7	0.157	7.731	0.000	0.1
240	0.7	0.160	7.917	0.000	0.1
245	0.7	0.164	8.104	0.000	0.1
250	0.7	0.168	8.291	0.000	0.1
255	0.7	0.172	8.481	0.000	0.1
260	0.7	0.176	8.671	0.000	0.1
265	0.7	0.179	8.861	0.000	0.1
270	0.7	0.183	9.053	0.000	0.1

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
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	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
275	0.7	0.187	9.245	0.000	0.1
280	0.8	0.191	9.440	0.000	0.1
285	0.8	0.195	9.636	0.000	0.1
290	0.8	0.199	9.831	0.000	0.1
295	0.8	0.203	10.027	0.000	0.1
300	0.8	0.207	10.224	0.000	0.1
305	0.8	0.211	10.422	0.000	0.1
310	0.8	0.215	10.625	0.000	0.1
315	0.8	0.219	10.834	0.000	0.1
320	0.8	0.224	11.044	0.000	0.1
325	0.8	0.228	11.253	0.000	0.1
330	0.8	0.232	11.461	0.000	0.1
335	0.8	0.236	11.670	0.000	0.1
340	0.8	0.241	11.883	0.000	0.1
345	0.8	0.245	12.098	0.000	0.1
350	0.9	0.249	12.313	0.000	0.1
355	0.9	0.254	12.532	0.000	0.1
360	0.9	0.258	12.751	0.000	0.1
365	0.9	0.263	12.972	0.000	0.1
370	0.9	0.267	13.201	0.000	0.1
375	0.9	0.272	13.429	0.000	0.1
380	0.9	0.276	13.659	0.000	0.2
385	0.9	0.281	13.894	0.000	0.2
390	0.9	0.286	14.130	0.000	0.2
395	1.0	0.291	14.369	0.000	0.2
400	1.0	0.296	14.611	0.000	0.2
405	1.0	0.301	14.855	0.000	0.2
410	1.0	0.306	15.103	0.000	0.2
415	1.0	0.311	15.357	0.000	0.2
420	1.0	0.316	15.614	0.000	0.2
425	1.1	0.321	15.875	0.000	0.2
430	1.1	0.327	16.145	0.000	0.2
435	1.1	0.332	16.417	0.000	0.2
440	1.1	0.338	16.698	0.000	0.2
445	1.1	0.344	16.985	0.000	0.2
450	1.2	0.350	17.276	0.000	0.2
455	1.2	0.356	17.573	0.000	0.2
460	1.2	0.362	17.877	0.000	0.2
465	1.3	0.368	18.187	0.000	0.2
470	1.3	0.375	18.514	0.000	0.2
475	1.3	0.381	18.842	0.000	0.2
480	1.4	0.388	19.177	0.000	0.2
485	1.4	0.395	19.533	0.000	0.2
490	1.4	0.403	19.891	0.000	0.2
495	1.5	0.410	20.258	0.000	0.2
500	1.5	0.418	20.641	0.000	0.2
505	1.5	0.426	21.034	0.000	0.2
510	1.6	0.434	21.436	0.000	0.2
515	1.7	0.443	21.860	0.000	0.2
520	1.7	0.451	22.289	0.000	0.2
525	1.8	0.461	22.740	0.000	0.3
530	1.8	0.470	23.213	0.000	0.3
535	1.9	0.480	23.695	0.000	0.3
540	2.0	0.490	24.203	0.000	0.3
545	2.1	0.501	24.737	0.000	0.3
550	2.1	0.512	25.281	0.000	0.3
555	2.3	0.524	25.856	0.000	0.3
560	2.3	0.536	26.454	0.000	0.3

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
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Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
565	2.4	0.548	27.067	0.000	0.3
570	2.5	0.561	27.721	0.000	0.3
575	2.5	0.575	28.391	0.000	0.3
580	2.7	0.589	29.081	0.000	0.3
585	2.8	0.604	29.821	0.000	0.3
590	2.8	0.619	30.575	0.000	0.3
595	3.1	0.635	31.352	0.000	0.3
600	3.1	0.652	32.184	0.000	0.4
605	3.2	0.669	33.019	0.000	0.4
610	3.4	0.686	33.884	0.000	0.4
615	3.5	0.705	34.809	0.000	0.4
620	3.5	0.724	35.740	0.000	0.4
625	3.8	0.743	36.704	0.000	0.4
630	3.8	0.764	37.726	0.000	0.4
635	3.9	0.785	38.756	0.000	0.4
640	4.1	0.807	39.824	0.000	0.4
645	4.2	0.829	40.940	0.000	0.5
650	4.3	0.852	42.071	0.000	0.5
655	4.5	0.876	43.256	0.000	0.5
660	4.6	0.901	44.487	0.000	0.5
665	4.8	0.926	45.738	0.000	0.5
670	5.0	0.953	47.051	0.000	0.5
675	5.0	0.980	48.404	0.000	0.5
680	5.3	1.008	49.783	0.000	0.6
685	5.5	1.037	51.227	0.000	0.6
690	5.5	1.067	52.702	0.000	0.6
695	5.8	1.098	54.212	0.000	0.6
700	6.0	1.130	55.804	0.000	0.6
705	6.0	1.163	57.417	0.000	0.6
710	6.4	1.196	59.075	0.000	0.7
715	6.6	1.232	60.831	0.000	0.7
720	6.4	1.267	62.587	0.000	0.7
725	6.3	1.302	64.287	0.000	0.7
730	6.3	1.336	65.963	0.000	0.7
735	6.3	1.369	67.626	0.000	0.8
740	5.9	1.402	69.233	0.000	0.8
745	5.8	1.433	70.755	0.000	0.8
750	5.8	1.463	72.260	0.000	0.8
755	5.5	1.492	73.706	0.000	0.8
760	5.4	1.520	75.077	0.000	0.8
765	5.0	1.547	76.383	0.000	0.8
770	4.7	1.571	77.580	0.000	0.9
775	4.5	1.593	78.687	0.000	0.9
780	4.4	1.615	79.758	0.000	0.9
785	4.2	1.635	80.769	0.000	0.9
790	4.2	1.655	81.746	0.000	0.9
795	4.0	1.674	82.702	0.000	0.9
800	3.9	1.693	83.606	0.000	0.9
805	3.9	1.710	84.488	0.000	0.9
810	3.5	1.728	85.338	0.000	0.9
815	3.5	1.743	86.103	0.000	1.0
820	3.4	1.758	86.841	0.000	1.0
825	3.2	1.773	87.556	0.000	1.0
830	3.2	1.786	88.219	0.000	1.0
835	3.2	1.799	88.872	0.000	1.0
840	2.9	1.812	89.495	0.000	1.0
845	2.9	1.823	90.068	0.000	1.0
850	2.8	1.834	90.605	0.000	1.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
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	GB		
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Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
855	2.6	1.845	91.121	0.000	1.0
860	2.6	1.854	91.593	0.000	1.0
865	2.5	1.864	92.057	0.000	1.0
870	2.4	1.872	92.488	0.000	1.0
875	2.3	1.880	92.880	0.000	1.0
880	2.3	1.888	93.262	0.000	1.0
885	2.1	1.895	93.614	0.000	1.0
890	2.1	1.901	93.936	0.000	1.0
895	2.0	1.908	94.247	0.000	1.0
900	1.9	1.913	94.528	0.000	1.1
905	1.9	1.919	94.790	0.000	1.1
910	1.8	1.924	95.038	0.000	1.1
915	1.7	1.928	95.256	0.000	1.1
920	1.7	1.932	95.456	0.000	1.1
925	1.7	1.936	95.648	0.000	1.1
930	1.6	1.939	95.816	0.000	1.1
935	1.6	1.943	95.972	0.000	1.1
940	1.5	1.946	96.117	0.000	1.1
945	1.5	1.948	96.243	0.000	1.1
950	1.5	1.951	96.367	0.000	1.1
955	1.4	1.953	96.478	0.000	1.1
960	1.4	1.955	96.568	0.000	1.1
965	1.4	1.956	96.656	0.000	1.1
970	1.3	1.958	96.734	0.000	1.1
975	1.3	1.959	96.794	0.000	1.1
980	1.3	1.960	96.853	0.000	1.1
985	1.2	1.961	96.903	0.000	1.1
990	1.2	1.962	96.939	0.000	1.1
995	1.2	1.963	96.972	0.000	1.1
1000	1.1	1.963	96.997	0.000	1.1
1005	1.1	1.964	97.016	0.000	1.1
1010	1.1	1.964	97.031	0.000	1.1
1015	1.1	1.964	97.036	0.000	1.1
1020	1.1	1.964	97.036	0.000	1.1
1025	1.0	1.964	97.032	0.000	1.1
1030	1.0	1.964	97.020	0.000	1.1
1035	1.0	1.963	97.004	0.000	1.1
1040	1.0	1.963	96.986	0.000	1.1
1045	1.0	1.963	96.960	0.000	1.1
1050	1.0	1.962	96.932	0.000	1.1
1055	1.0	1.961	96.901	0.000	1.1
1060	1.0	1.961	96.866	0.000	1.1
1065	1.0	1.960	96.829	0.000	1.1
1070	0.9	1.959	96.790	0.000	1.1
1075	0.9	1.958	96.746	0.000	1.1
1080	0.9	1.957	96.702	0.000	1.1
1085	0.9	1.956	96.654	0.000	1.1
1090	0.9	1.955	96.600	0.000	1.1
1095	0.9	1.954	96.546	0.000	1.1
1100	0.9	1.953	96.490	0.000	1.1
1105	0.9	1.952	96.431	0.000	1.1
1110	0.9	1.951	96.371	0.000	1.1
1115	0.9	1.949	96.308	0.000	1.1
1120	0.8	1.948	96.241	0.000	1.1
1125	0.9	1.947	96.175	0.000	1.1
1130	0.9	1.945	96.109	0.000	1.1
1135	0.8	1.944	96.044	0.000	1.1
1140	0.9	1.943	95.976	0.000	1.1

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1145	0.9	1.941	95.899	0.000	1.1
1150	0.8	1.939	95.817	0.000	1.1
1155	0.8	1.938	95.734	0.000	1.1
1160	0.9	1.936	95.649	0.000	1.1
1165	0.7	1.934	95.564	0.000	1.1
1170	0.8	1.932	95.477	0.000	1.1
1175	0.8	1.931	95.389	0.000	1.1
1180	0.8	1.929	95.302	0.000	1.1
1185	0.8	1.927	95.218	0.000	1.1
1190	0.8	1.926	95.133	0.000	1.1
1195	0.8	1.924	95.047	0.000	1.1
1200	0.8	1.922	94.961	0.000	1.1
1205	0.8	1.920	94.871	0.000	1.1
1210	0.8	1.918	94.782	0.000	1.1
1215	0.7	1.917	94.690	0.000	1.1
1220	0.7	1.915	94.596	0.000	1.1
1225	0.7	1.913	94.502	0.000	1.1
1230	0.7	1.911	94.406	0.000	1.1
1235	0.7	1.909	94.305	0.000	1.0
1240	0.7	1.907	94.205	0.000	1.0
1245	0.7	1.905	94.105	0.000	1.0
1250	0.7	1.903	94.005	0.000	1.0
1255	0.7	1.901	93.903	0.000	1.0
1260	0.7	1.898	93.796	0.000	1.0
1265	0.7	1.896	93.689	0.000	1.0
1270	0.7	1.894	93.583	0.000	1.0
1275	0.7	1.892	93.477	0.000	1.0
1280	0.7	1.890	93.372	0.000	1.0
1285	0.7	1.888	93.267	0.000	1.0
1290	0.7	1.886	93.162	0.000	1.0
1295	0.7	1.883	93.057	0.000	1.0
1300	0.7	1.881	92.953	0.000	1.0
1305	0.7	1.879	92.849	0.000	1.0
1310	0.7	1.877	92.746	0.000	1.0
1315	0.7	1.875	92.641	0.000	1.0
1320	0.7	1.873	92.533	0.000	1.0
1325	0.7	1.871	92.426	0.000	1.0
1330	0.7	1.869	92.318	0.000	1.0
1335	0.7	1.866	92.211	0.000	1.0
1340	0.7	1.864	92.104	0.000	1.0
1345	0.7	1.862	91.990	0.000	1.0
1350	0.7	1.860	91.877	0.000	1.0
1355	0.7	1.857	91.758	0.000	1.0
1360	0.7	1.855	91.644	0.000	1.0
1365	0.6	1.852	91.527	0.000	1.0
1370	0.7	1.850	91.410	0.000	1.0
1375	0.6	1.848	91.289	0.000	1.0
1380	0.6	1.845	91.171	0.000	1.0
1385	0.6	1.843	91.055	0.000	1.0
1390	0.6	1.841	90.938	0.000	1.0
1395	0.5	1.838	90.822	0.000	1.0
1400	0.6	1.836	90.706	0.000	1.0
1405	0.7	1.833	90.586	0.000	1.0
1410	0.7	1.831	90.471	0.000	1.0
1415	0.7	1.829	90.354	0.000	1.0
1420	0.7	1.826	90.237	0.000	1.0
1425	0.6	1.824	90.117	0.000	1.0
1430	0.6	1.822	90.002	0.000	1.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
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	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1435	0.6	1.819	89.883	0.000	1.0
1440	0.6	1.817	89.765	0.000	1.0
1445	0.4	1.813	89.590	0.000	1.0
1450	0.2	1.808	89.345	0.000	1.0
1455	0.2	1.803	89.095	0.000	1.0
1460	0.1	1.798	88.831	0.000	1.0
1465	0.2	1.793	88.576	0.000	1.0
1470	0.1	1.788	88.328	0.000	1.0
1475	0.2	1.782	88.072	0.000	1.0
1480	0.0	1.777	87.815	0.000	1.0
1485	0.1	1.772	87.550	0.000	1.0
1490	0.1	1.767	87.311	0.000	1.0
1495	0.1	1.762	87.056	0.000	1.0
1500	0.1	1.757	86.805	0.000	1.0
1505	0.1	1.752	86.547	0.000	1.0
1510	0.1	1.746	86.299	0.000	1.0
1515	0.0	1.741	86.048	0.000	1.0
1520	0.1	1.736	85.798	0.000	1.0
1525	0.1	1.731	85.547	0.000	1.0
1530	0.1	1.726	85.297	0.000	0.9
1535	0.1	1.721	85.049	0.000	0.9
1540	0.1	1.716	84.796	0.000	0.9
1545	0.1	1.711	84.558	0.000	0.9
1550	0.1	1.706	84.305	0.000	0.9
1555	0.1	1.701	84.054	0.000	0.9
1560	0.1	1.696	83.809	0.000	0.9
1565	0.1	1.691	83.558	0.000	0.9
1570	0.1	1.686	83.308	0.000	0.9
1575	0.1	1.681	83.050	0.000	0.9
1580	0.1	1.676	82.803	0.000	0.9
1585	0.1	1.671	82.570	0.000	0.9
1590	0.1	1.666	82.318	0.000	0.9
1595	0.1	1.661	82.074	0.000	0.9
1600	0.1	1.656	81.838	0.000	0.9
1605	0.1	1.651	81.593	0.000	0.9
1610	0.1	1.647	81.359	0.000	0.9
1615	0.1	1.642	81.113	0.000	0.9
1620	0.1	1.637	80.885	0.000	0.9
1625	0.1	1.632	80.643	0.000	0.9
1630	0.1	1.627	80.408	0.000	0.9
1635	0.1	1.623	80.181	0.000	0.9
1640	0.2	1.618	79.944	0.000	0.9
1645	0.1	1.613	79.702	0.000	0.9
1650	0.1	1.609	79.480	0.000	0.9
1655	0.1	1.604	79.240	0.000	0.9
1660	0.1	1.599	79.005	0.000	0.9
1665	0.1	1.594	78.777	0.000	0.9
1670	0.1	1.590	78.553	0.000	0.9
1675	0.1	1.585	78.324	0.000	0.9
1680	0.1	1.580	78.088	0.000	0.9
1685	0.1	1.576	77.857	0.000	0.9
1690	0.1	1.571	77.633	0.000	0.9
1695	0.1	1.567	77.409	0.000	0.9
1700	0.1	1.562	77.182	0.000	0.9
1705	0.1	1.557	76.946	0.000	0.9
1710	0.0	1.553	76.707	0.000	0.9
1715	0.1	1.548	76.472	0.000	0.9
1720	0.1	1.543	76.235	0.000	0.8

Project - 2080:	Date:		
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Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1725	0.0	1.538	75.998	0.000	0.8
1730	0.0	1.533	75.761	0.000	0.8
1735	0.0	1.529	75.532	0.000	0.8
1740	0.0	1.524	75.297	0.000	0.8
1745	0.1	1.519	75.051	0.000	0.8
1750	0.0	1.514	74.825	0.000	0.8
1755	0.0	1.510	74.591	0.000	0.8
1760	0.0	1.505	74.357	0.000	0.8
1765	0.0	1.500	74.119	0.000	0.8
1770	0.0	1.495	73.880	0.000	0.8
1775	0.0	1.490	73.641	0.000	0.8
1780	0.0	1.485	73.403	0.000	0.8
1785	0.0	1.481	73.166	0.000	0.8
1790	0.0	1.476	72.930	0.000	0.8
1795	0.0	1.471	72.694	0.000	0.8
1800	0.0	1.466	72.459	0.000	0.8
1805	0.0	1.462	72.226	0.000	0.8
1810	0.0	1.457	71.993	0.000	0.8
1815	0.0	1.452	71.760	0.000	0.8
1820	0.0	1.448	71.529	0.000	0.8
1825	0.0	1.443	71.298	0.000	0.8
1830	0.0	1.438	71.069	0.000	0.8
1835	0.0	1.434	70.840	0.000	0.8
1840	0.0	1.429	70.611	0.000	0.8
1845	0.0	1.424	70.384	0.000	0.8
1850	0.0	1.420	70.157	0.000	0.8
1855	0.0	1.415	69.932	0.000	0.8
1860	0.0	1.411	69.707	0.000	0.8
1865	0.0	1.406	69.482	0.000	0.8
1870	0.0	1.402	69.259	0.000	0.8
1875	0.0	1.397	69.036	0.000	0.8
1880	0.0	1.393	68.815	0.000	0.8
1885	0.0	1.388	68.595	0.000	0.8
1890	0.0	1.384	68.376	0.000	0.8
1895	0.0	1.379	68.158	0.000	0.8
1900	0.0	1.375	67.941	0.000	0.8
1905	0.0	1.371	67.725	0.000	0.8
1910	0.0	1.366	67.509	0.000	0.8
1915	0.0	1.362	67.295	0.000	0.7
1920	0.0	1.358	67.081	0.000	0.7
1925	0.0	1.353	66.868	0.000	0.7
1930	0.0	1.349	66.655	0.000	0.7
1935	0.0	1.345	66.444	0.000	0.7
1940	0.0	1.340	66.229	0.000	0.7
1945	0.0	1.336	66.023	0.000	0.7
1950	0.0	1.332	65.813	0.000	0.7
1955	0.0	1.328	65.604	0.000	0.7
1960	0.0	1.323	65.396	0.000	0.7
1965	0.0	1.319	65.180	0.000	0.7
1970	0.0	1.315	64.981	0.000	0.7
1975	0.0	1.311	64.775	0.000	0.7
1980	0.0	1.307	64.569	0.000	0.7
1985	0.0	1.303	64.363	0.000	0.7
1990	0.0	1.298	64.156	0.000	0.7
1995	0.0	1.294	63.954	0.000	0.7
2000	0.0	1.290	63.750	0.000	0.7
2005	0.0	1.286	63.546	0.000	0.7
2010	0.0	1.282	63.343	0.000	0.7

Project - 2080:	Date:		
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Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
2015	0.0	1.278	63.141	0.000	0.7
2020	0.0	1.274	62.937	0.000	0.7
2025	0.0	1.270	62.736	0.000	0.7
2030	0.0	1.266	62.535	0.000	0.7
2035	0.0	1.261	62.333	0.000	0.7
2040	0.0	1.257	62.132	0.000	0.7
2045	0.0	1.253	61.930	0.000	0.7
2050	0.0	1.249	61.726	0.000	0.7
2055	0.0	1.245	61.521	0.000	0.7
2060	0.0	1.241	61.316	0.000	0.7
2065	0.0	1.237	61.112	0.000	0.7
2070	0.0	1.233	60.909	0.000	0.7
2075	0.0	1.229	60.706	0.000	0.7
2080	0.0	1.224	60.503	0.000	0.7
2085	0.0	1.220	60.302	0.000	0.7
2090	0.0	1.216	60.101	0.000	0.7
2095	0.0	1.212	59.901	0.000	0.7
2100	0.0	1.208	59.701	0.000	0.7
2105	0.0	1.204	59.502	0.000	0.7
2110	0.0	1.200	59.304	0.000	0.7
2115	0.0	1.196	59.106	0.000	0.7
2120	0.0	1.192	58.909	0.000	0.7
2125	0.0	1.188	58.713	0.000	0.7
2130	0.0	1.184	58.517	0.000	0.7
2135	0.0	1.180	58.322	0.000	0.6
2140	0.0	1.176	58.128	0.000	0.6
2145	0.0	1.172	57.934	0.000	0.6
2150	0.0	1.169	57.741	0.000	0.6
2155	0.0	1.165	57.549	0.000	0.6
2160	0.0	1.161	57.357	0.000	0.6
2165	0.0	1.157	57.166	0.000	0.6
2170	0.0	1.153	56.975	0.000	0.6
2175	0.0	1.149	56.785	0.000	0.6
2180	0.0	1.145	56.596	0.000	0.6
2185	0.0	1.142	56.407	0.000	0.6
2190	0.0	1.138	56.219	0.000	0.6
2195	0.0	1.134	56.032	0.000	0.6
2200	0.0	1.130	55.845	0.000	0.6
2205	0.0	1.126	55.659	0.000	0.6
2210	0.0	1.123	55.474	0.000	0.6
2215	0.0	1.119	55.289	0.000	0.6
2220	0.0	1.115	55.104	0.000	0.6
2225	0.0	1.111	54.921	0.000	0.6
2230	0.0	1.108	54.738	0.000	0.6
2235	0.0	1.104	54.555	0.000	0.6
2240	0.0	1.100	54.373	0.000	0.6
2245	0.0	1.097	54.192	0.000	0.6
2250	0.0	1.093	54.012	0.000	0.6
2255	0.0	1.089	53.832	0.000	0.6
2260	0.0	1.086	53.652	0.000	0.6
2265	0.0	1.082	53.473	0.000	0.6
2270	0.0	1.079	53.295	0.000	0.6
2275	0.0	1.075	53.118	0.000	0.6
2280	0.0	1.071	52.941	0.000	0.6
2285	0.0	1.068	52.764	0.000	0.6
2290	0.0	1.064	52.588	0.000	0.6
2295	0.0	1.061	52.413	0.000	0.6
2300	0.0	1.057	52.238	0.000	0.6

Project - 2080:	Date:		
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Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
2305	0.0	1.054	52.064	0.000	0.6
2310	0.0	1.050	51.891	0.000	0.6
2315	0.0	1.047	51.718	0.000	0.6
2320	0.0	1.043	51.545	0.000	0.6
2325	0.0	1.040	51.374	0.000	0.6
2330	0.0	1.036	51.202	0.000	0.6
2335	0.0	1.033	51.032	0.000	0.6
2340	0.0	1.029	50.862	0.000	0.6
2345	0.0	1.026	50.692	0.000	0.6
2350	0.0	1.022	50.523	0.000	0.6
2355	0.0	1.019	50.355	0.000	0.6
2360	0.0	1.016	50.187	0.000	0.6
2365	0.0	1.012	50.020	0.000	0.6
2370	0.0	1.009	49.853	0.000	0.6
2375	0.0	1.006	49.687	0.000	0.6
2380	0.0	1.002	49.521	0.000	0.6
2385	0.0	0.999	49.356	0.000	0.5
2390	0.0	0.996	49.192	0.000	0.5
2395	0.0	0.992	49.028	0.000	0.5
2400	0.0	0.989	48.864	0.000	0.5
2405	0.0	0.986	48.702	0.000	0.5
2410	0.0	0.982	48.539	0.000	0.5
2415	0.0	0.979	48.377	0.000	0.5
2420	0.0	0.976	48.216	0.000	0.5
2425	0.0	0.973	48.056	0.000	0.5
2430	0.0	0.969	47.895	0.000	0.5
2435	0.0	0.966	47.736	0.000	0.5
2440	0.0	0.963	47.577	0.000	0.5
2445	0.0	0.960	47.418	0.000	0.5
2450	0.0	0.956	47.260	0.000	0.5
2455	0.0	0.953	47.103	0.000	0.5
2460	0.0	0.950	46.946	0.000	0.5
2465	0.0	0.947	46.789	0.000	0.5
2470	0.0	0.944	46.633	0.000	0.5
2475	0.0	0.941	46.478	0.000	0.5
2480	0.0	0.937	46.323	0.000	0.5
2485	0.0	0.934	46.168	0.000	0.5
2490	0.0	0.931	46.015	0.000	0.5
2495	0.0	0.928	45.861	0.000	0.5
2500	0.0	0.925	45.708	0.000	0.5
2505	0.0	0.922	45.556	0.000	0.5
2510	0.0	0.919	45.404	0.000	0.5
2515	0.0	0.916	45.253	0.000	0.5
2520	0.0	0.913	45.102	0.000	0.5
2525	0.0	0.910	44.952	0.000	0.5
2530	0.0	0.907	44.802	0.000	0.5
2535	0.0	0.904	44.653	0.000	0.5
2540	0.0	0.901	44.504	0.000	0.5
2545	0.0	0.898	44.355	0.000	0.5
2550	0.0	0.895	44.208	0.000	0.5
2555	0.0	0.892	44.060	0.000	0.5
2560	0.0	0.889	43.913	0.000	0.5
2565	0.0	0.886	43.767	0.000	0.5
2570	0.0	0.883	43.621	0.000	0.5
2575	0.0	0.880	43.476	0.000	0.5
2580	0.0	0.877	43.331	0.000	0.5
2585	0.0	0.874	43.187	0.000	0.5
2590	0.0	0.871	43.043	0.000	0.5

Project - 2080:	Date:		
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Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
2595	0.0	0.868	42.899	0.000	0.5
2600	0.0	0.865	42.756	0.000	0.5
2605	0.0	0.862	42.614	0.000	0.5
2610	0.0	0.860	42.472	0.000	0.5
2615	0.0	0.857	42.330	0.000	0.5
2620	0.0	0.854	42.189	0.000	0.5
2625	0.0	0.851	42.048	0.000	0.5
2630	0.0	0.848	41.908	0.000	0.5
2635	0.0	0.845	41.769	0.000	0.5
2640	0.0	0.842	41.629	0.000	0.5
2645	0.0	0.840	41.491	0.000	0.5
2650	0.0	0.837	41.352	0.000	0.5
2655	0.0	0.834	41.215	0.000	0.5
2660	0.0	0.831	41.077	0.000	0.5
2665	0.0	0.829	40.940	0.000	0.5
2670	0.0	0.826	40.804	0.000	0.5
2675	0.0	0.823	40.668	0.000	0.5
2680	0.0	0.820	40.532	0.000	0.5
2685	0.0	0.818	40.397	0.000	0.4
2690	0.0	0.815	40.263	0.000	0.4
2695	0.0	0.812	40.128	0.000	0.4
2700	0.0	0.809	39.995	0.000	0.4
2705	0.0	0.807	39.861	0.000	0.4
2710	0.0	0.804	39.729	0.000	0.4
2715	0.0	0.801	39.596	0.000	0.4
2720	0.0	0.799	39.464	0.000	0.4
2725	0.0	0.796	39.333	0.000	0.4
2730	0.0	0.793	39.202	0.000	0.4
2735	0.0	0.791	39.071	0.000	0.4
2740	0.0	0.788	38.941	0.000	0.4
2745	0.0	0.785	38.811	0.000	0.4
2750	0.0	0.783	38.682	0.000	0.4
2755	0.0	0.780	38.553	0.000	0.4
2760	0.0	0.778	38.424	0.000	0.4
2765	0.0	0.775	38.296	0.000	0.4
2770	0.0	0.772	38.168	0.000	0.4
2775	0.0	0.770	38.041	0.000	0.4
2780	0.0	0.767	37.915	0.000	0.4
2785	0.0	0.765	37.788	0.000	0.4
2790	0.0	0.762	37.662	0.000	0.4
2795	0.0	0.760	37.537	0.000	0.4
2800	0.0	0.757	37.412	0.000	0.4
2805	0.0	0.755	37.287	0.000	0.4
2810	0.0	0.752	37.163	0.000	0.4
2815	0.0	0.750	37.039	0.000	0.4
2820	0.0	0.747	36.915	0.000	0.4
2825	0.0	0.745	36.792	0.000	0.4
2830	0.0	0.742	36.670	0.000	0.4
2835	0.0	0.740	36.547	0.000	0.4
2840	0.0	0.737	36.426	0.000	0.4
2845	0.0	0.735	36.304	0.000	0.4
2850	0.0	0.732	36.183	0.000	0.4
2855	0.0	0.730	36.063	0.000	0.4
2860	0.0	0.727	35.942	0.000	0.4
2865	0.0	0.725	35.823	0.000	0.4
2870	0.0	0.723	35.703	0.000	0.4
2875	0.0	0.720	35.584	0.000	0.4
2880	0.0	0.718	35.465	0.000	0.4

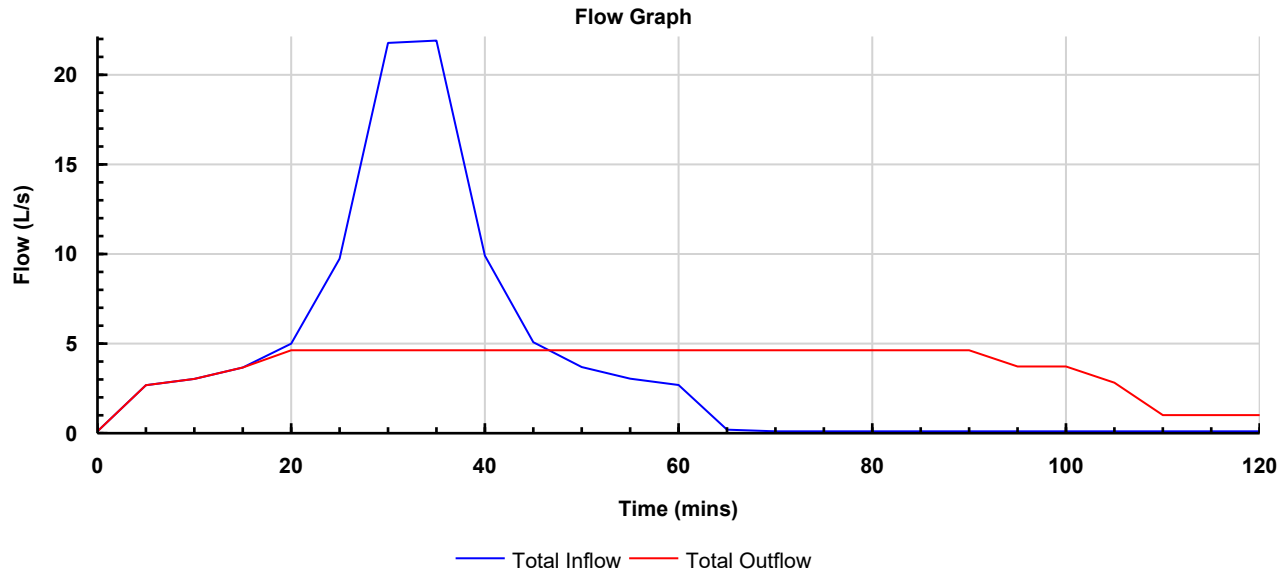
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

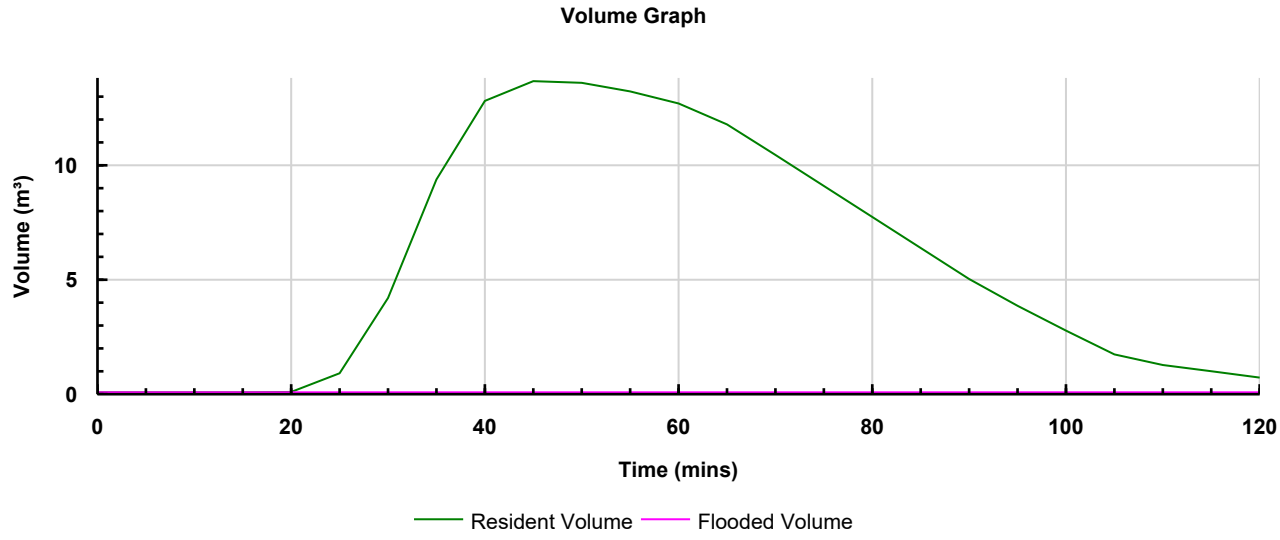
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Porous Paving
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 60 mins: Summer

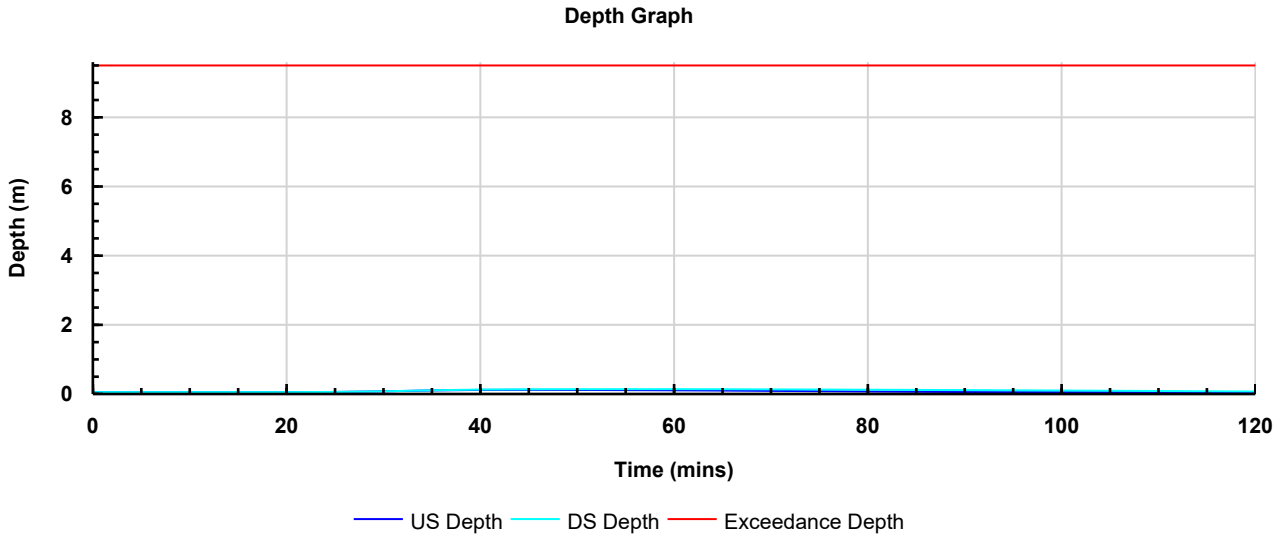
Type : Porous Paving

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

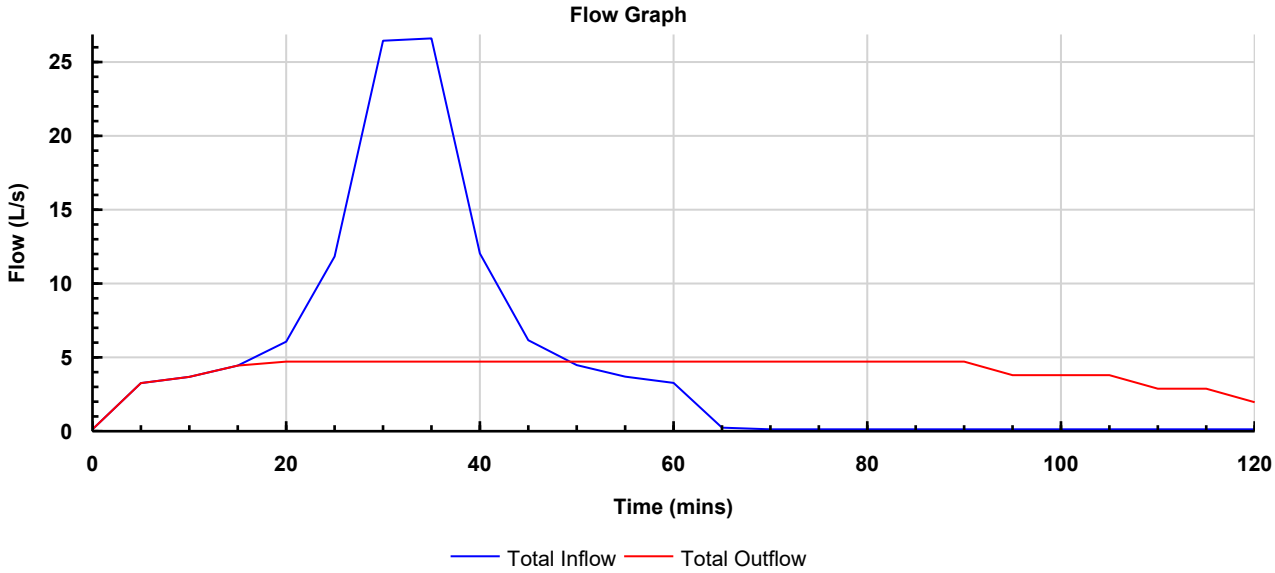
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	2.6	0.000	0.000	0.000	0.000	2.6
10	2.9	0.000	0.000	0.000	0.000	2.9
15	3.6	0.000	0.000	0.000	0.000	3.6
20	4.9	0.000	0.000	0.015	0.000	4.5
25	9.7	0.004	0.005	0.836	0.000	4.5
30	21.8	0.022	0.023	4.145	0.000	4.5
35	21.9	0.049	0.053	9.355	0.000	4.5
40	9.9	0.065	0.074	12.808	0.000	4.5
45	5.0	0.066	0.082	13.676	0.000	4.5
50	3.6	0.063	0.085	13.602	0.000	4.5
55	3.0	0.058	0.086	13.224	0.000	4.5
60	2.6	0.053	0.086	12.695	0.000	4.5
65	0.1	0.045	0.084	11.774	0.000	4.5
70	0.0	0.036	0.079	10.433	0.000	4.5
75	0.0	0.027	0.074	9.069	0.000	4.5
80	0.0	0.018	0.069	7.706	0.000	4.5
85	0.0	0.010	0.064	6.343	0.000	4.5
90	0.0	0.002	0.058	4.979	0.000	4.5
95	0.0	0.000	0.052	3.802	0.000	3.6
100	0.0	0.000	0.046	2.711	0.000	3.6
105	0.0	0.000	0.039	1.666	0.000	2.7
110	0.0	0.000	0.032	1.199	0.000	0.9
115	0.0	0.000	0.025	0.926	0.000	0.9
120	0.0	0.000	0.017	0.646	0.000	0.9

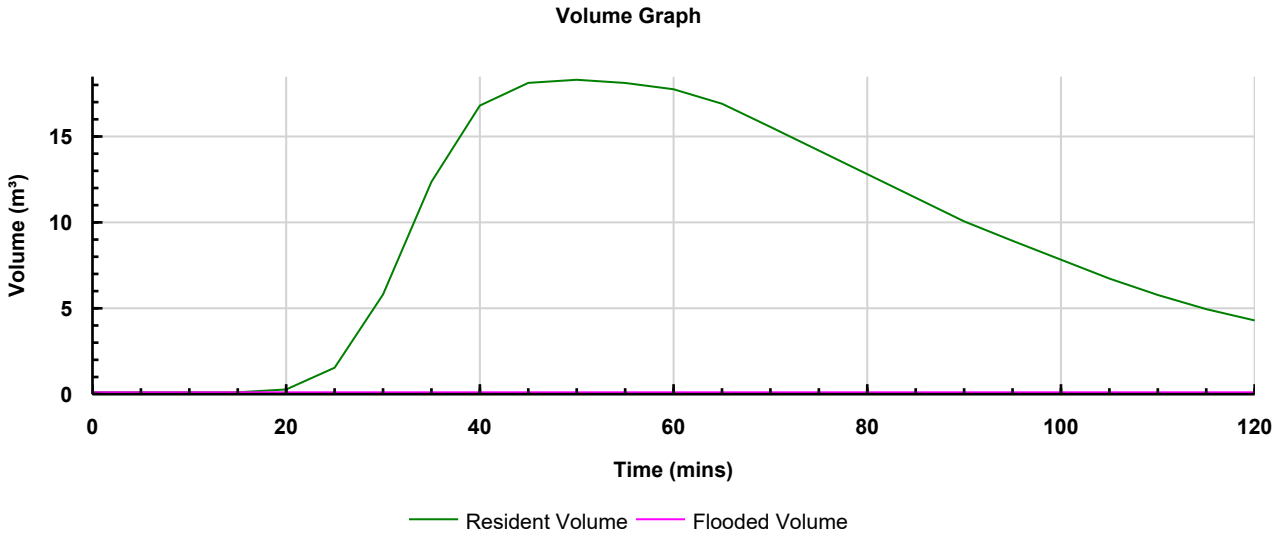
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Porous Paving (1)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 60 mins: Summer

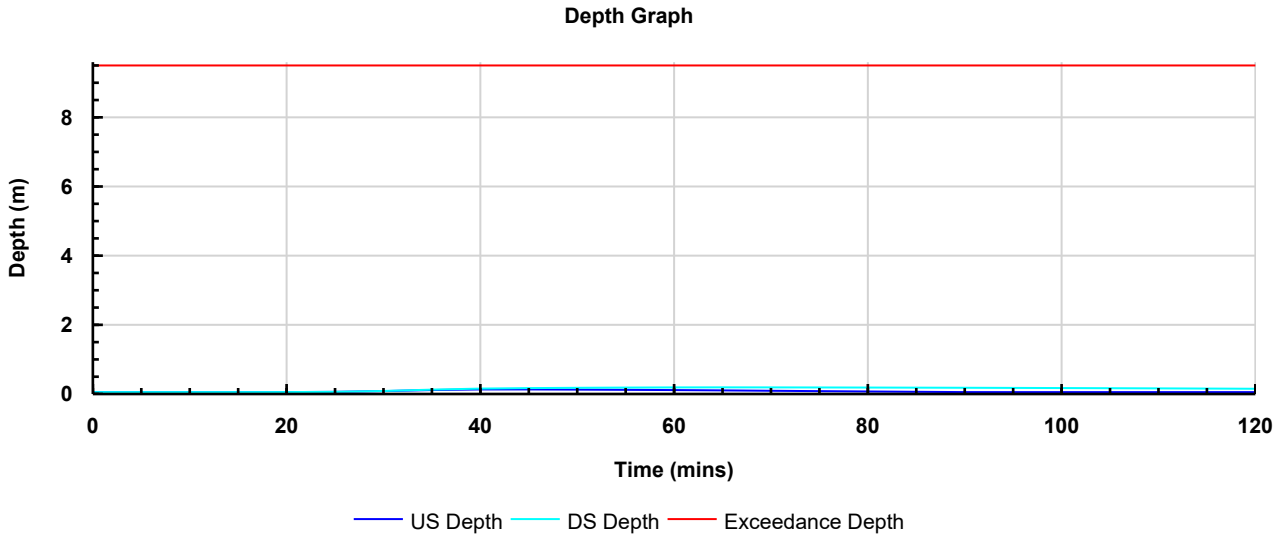
Type : Porous Paving

Graphs





Project - 2080: Ramsbury Manor - Exhibition Centre	Date: 22/08/2025		
	Designed by: GB	Checked by:	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Phase	Company Address: AFA Consulting Engineers Ltd		



Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Tables

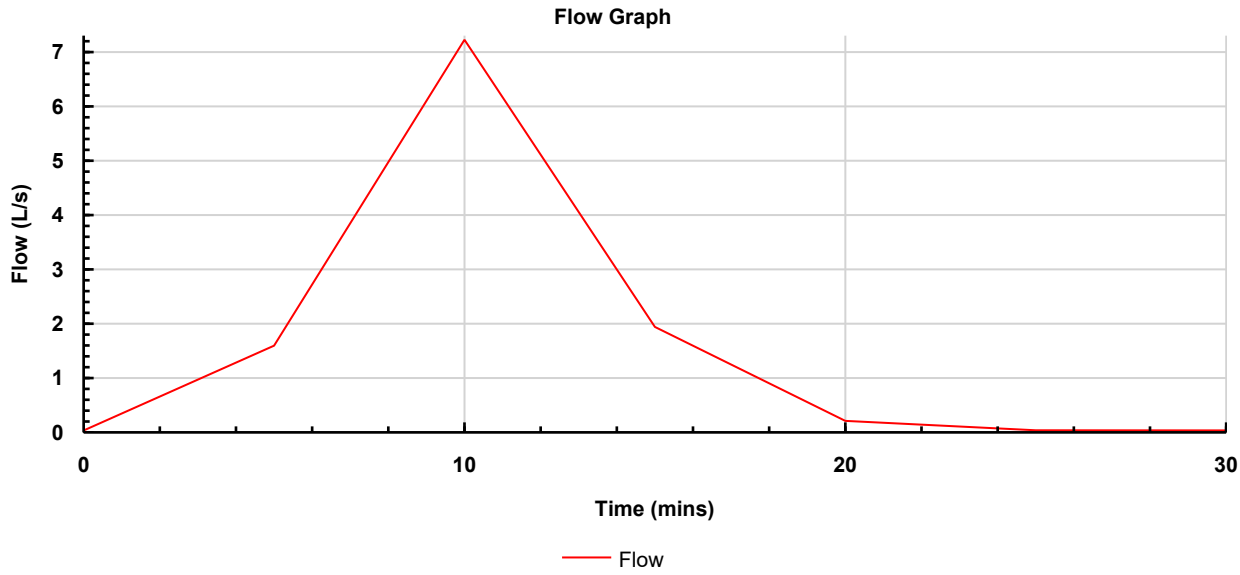
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	3.1	0.000	0.000	0.000	0.000	3.1
10	3.6	0.000	0.000	0.000	0.000	3.6
15	4.3	0.000	0.000	0.000	0.000	4.3
20	6.0	0.001	0.001	0.168	0.000	4.6
25	11.8	0.007	0.008	1.439	0.000	4.6
30	26.4	0.029	0.033	5.728	0.000	4.6
35	26.6	0.060	0.072	12.326	0.000	4.6
40	12.0	0.078	0.102	16.791	0.000	4.6
45	6.1	0.078	0.117	18.118	0.000	4.6
50	4.4	0.073	0.125	18.300	0.000	4.6
55	3.6	0.066	0.132	18.113	0.000	4.6
60	3.2	0.059	0.137	17.744	0.000	4.6
65	0.1	0.050	0.139	16.897	0.000	4.6
70	0.0	0.039	0.137	15.537	0.000	4.6
75	0.0	0.028	0.135	14.155	0.000	4.6
80	0.0	0.018	0.133	12.773	0.000	4.6
85	0.0	0.009	0.130	11.391	0.000	4.6
90	0.0	0.001	0.126	10.010	0.000	4.6
95	0.0	0.000	0.123	8.870	0.000	3.7
100	0.0	0.000	0.118	7.765	0.000	3.7
105	0.0	0.000	0.114	6.659	0.000	3.7
110	0.0	0.000	0.109	5.698	0.000	2.8
115	0.0	0.000	0.103	4.869	0.000	2.8
120	0.0	0.000	0.098	4.208	0.000	1.8

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Connection Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Pipe
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



Tables

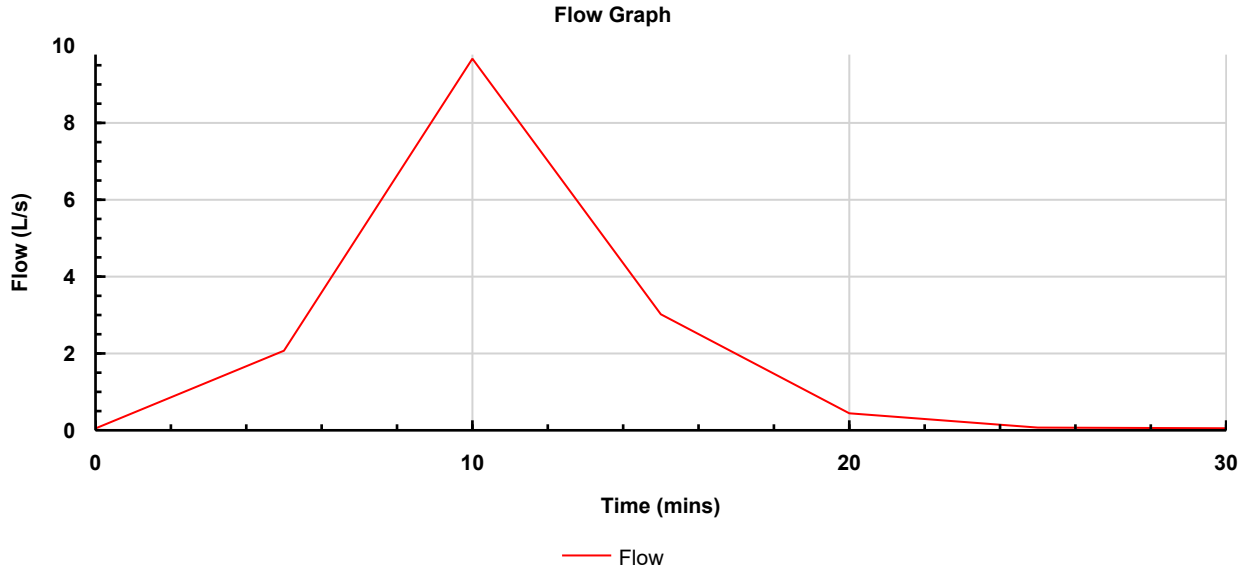
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.033	1.6
10	0.077	7.2
15	0.038	1.9
20	0.013	0.2
25	0.003	0.0
30	0.002	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Connection Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Pipe (1)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



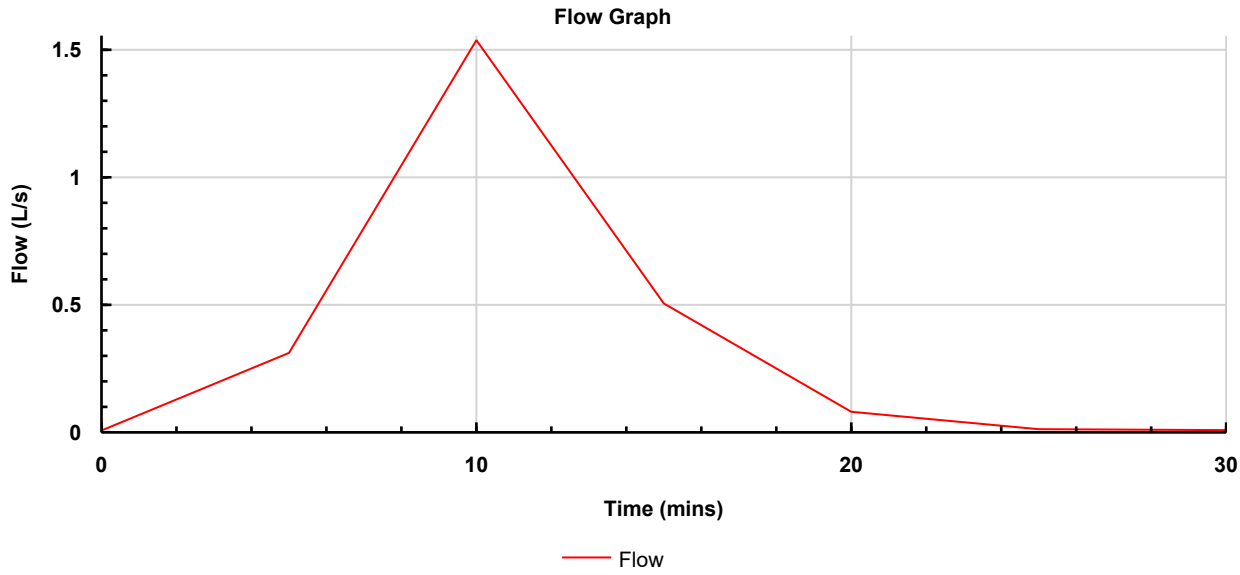
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.025	2.0
10	0.055	9.7
15	0.030	3.0
20	0.011	0.4
25	0.003	0.0
30	0.002	0.0

Pipe (2)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



Tables

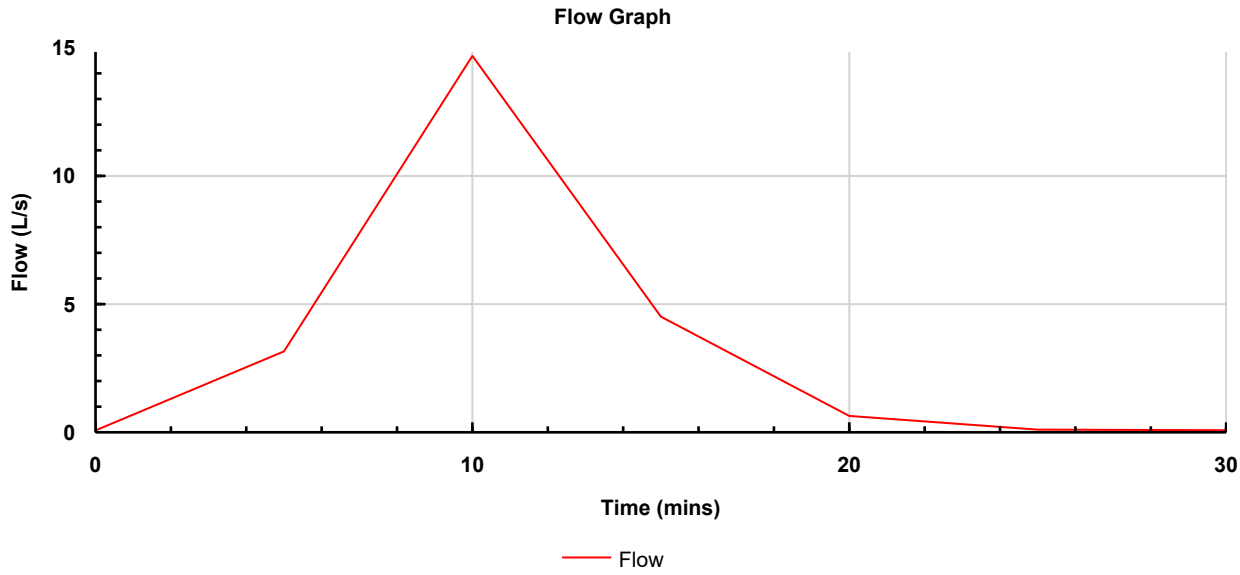
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.014	0.3
10	0.029	1.5
15	0.016	0.5
20	0.006	0.1
25	0.002	0.0
30	0.001	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Connection Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Pipe (3)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



Tables

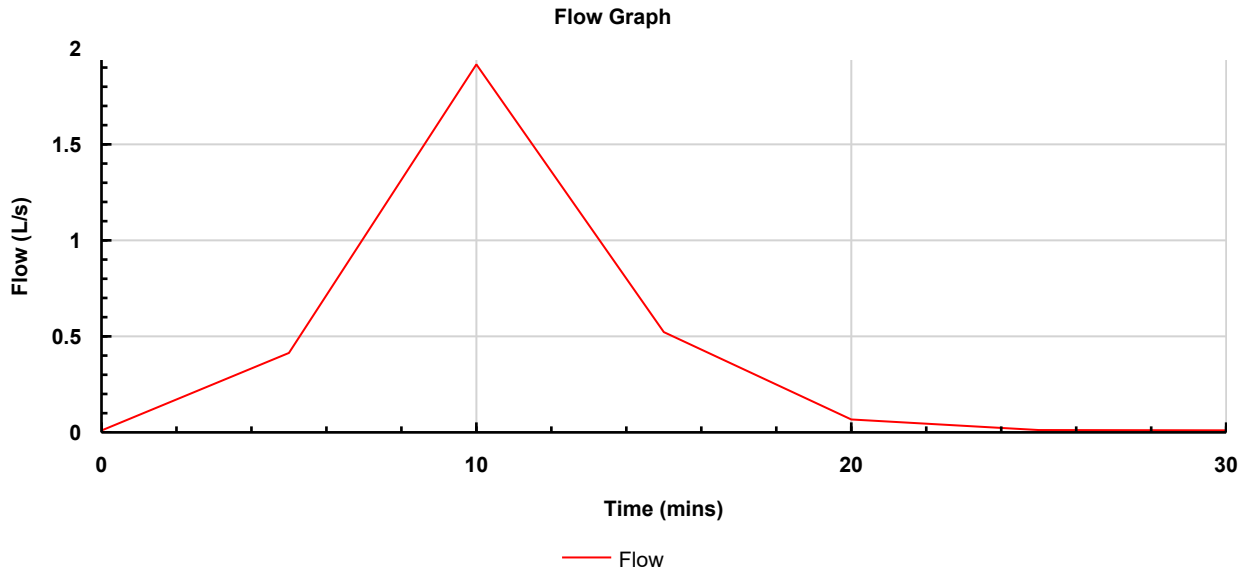
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.023	3.1
10	0.142	14.7
15	0.150	4.5
20	0.150	0.6
25	0.150	0.0
30	0.150	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Connection Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Pipe (4)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



Tables

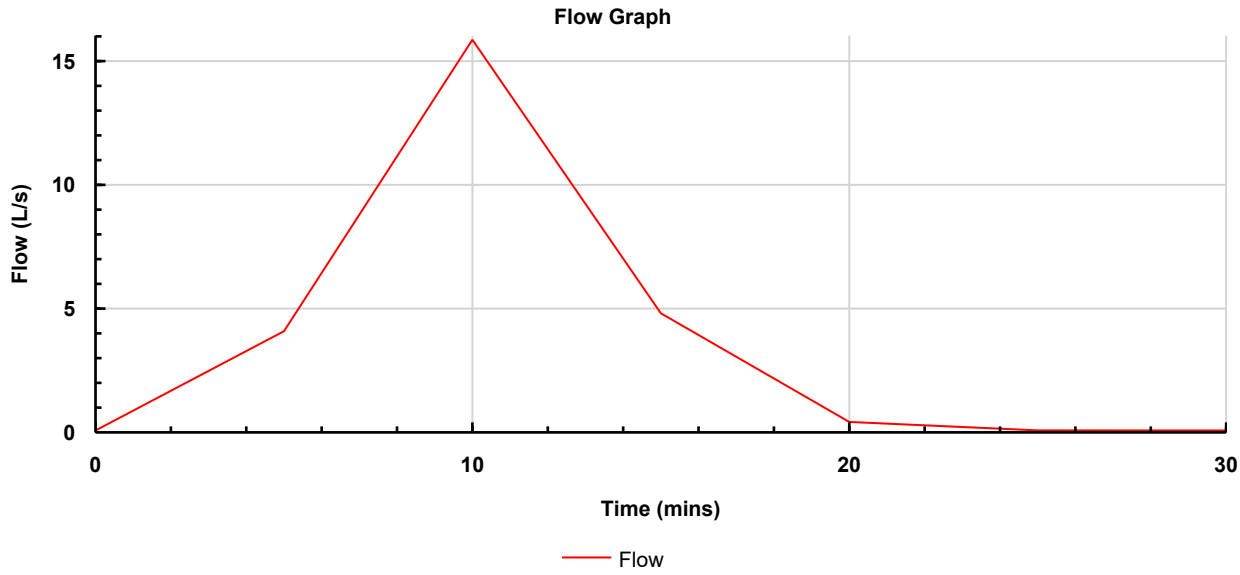
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.015	0.4
10	0.031	1.9
15	0.016	0.5
20	0.005	0.1
25	0.002	0.0
30	0.001	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Connection Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Pipe (6)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



Tables

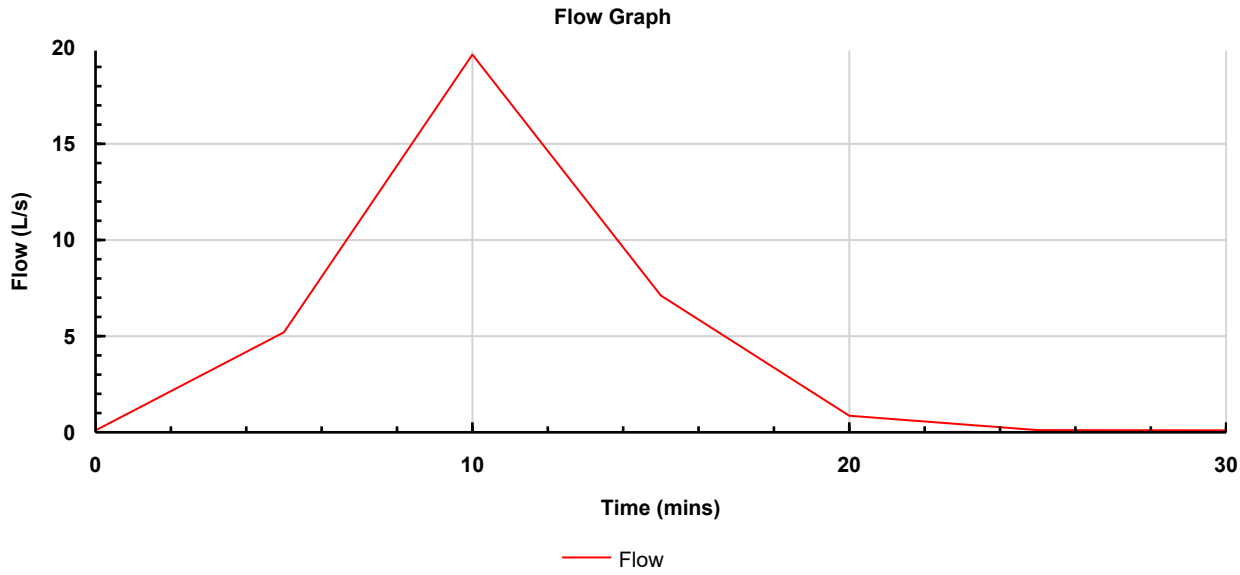
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.051	4.0
10	0.150	15.9
15	0.057	4.8
20	0.017	0.3
25	0.002	0.0
30	0.002	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Connection Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Pipe (7)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



Tables

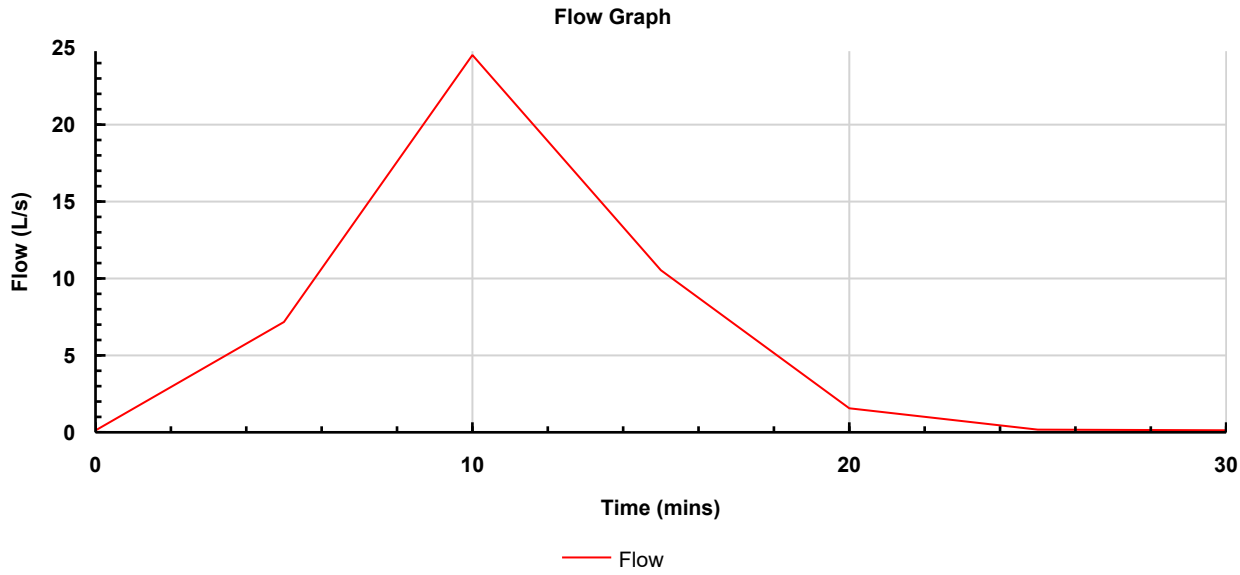
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.058	5.1
10	0.150	19.6
15	0.071	7.0
20	0.024	0.8
25	0.005	0.0
30	0.002	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Connection Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Pipe (8)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Type : Pipe

Graphs



Tables

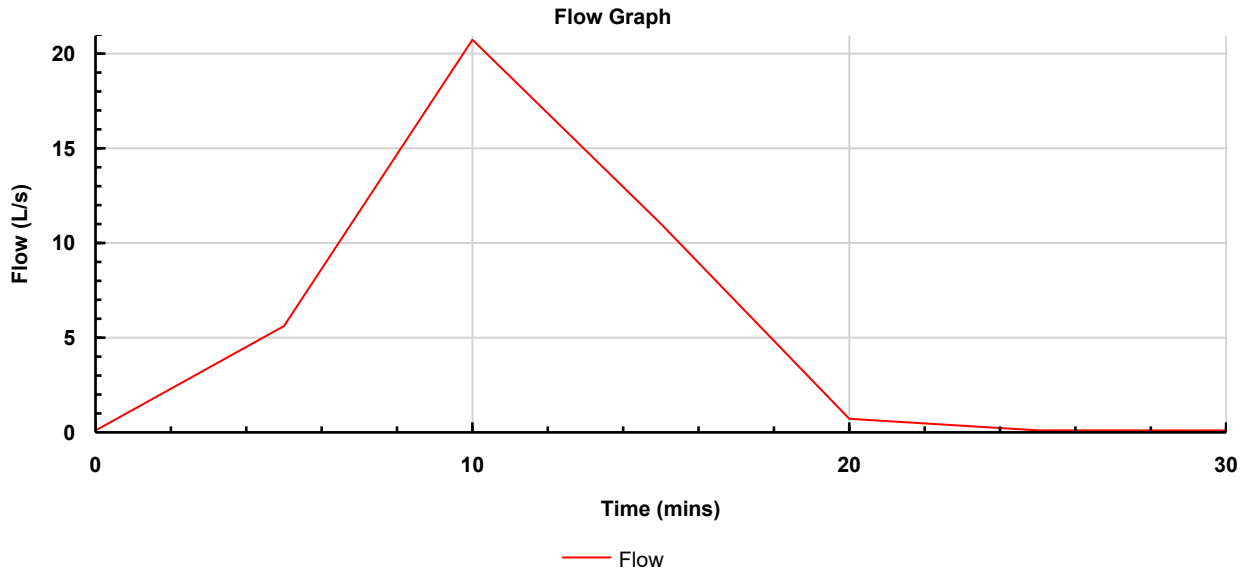
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.051	7.1
10	0.137	24.5
15	0.062	10.5
20	0.022	1.4
25	0.005	0.1
30	0.003	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Connection Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Pipe (10)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



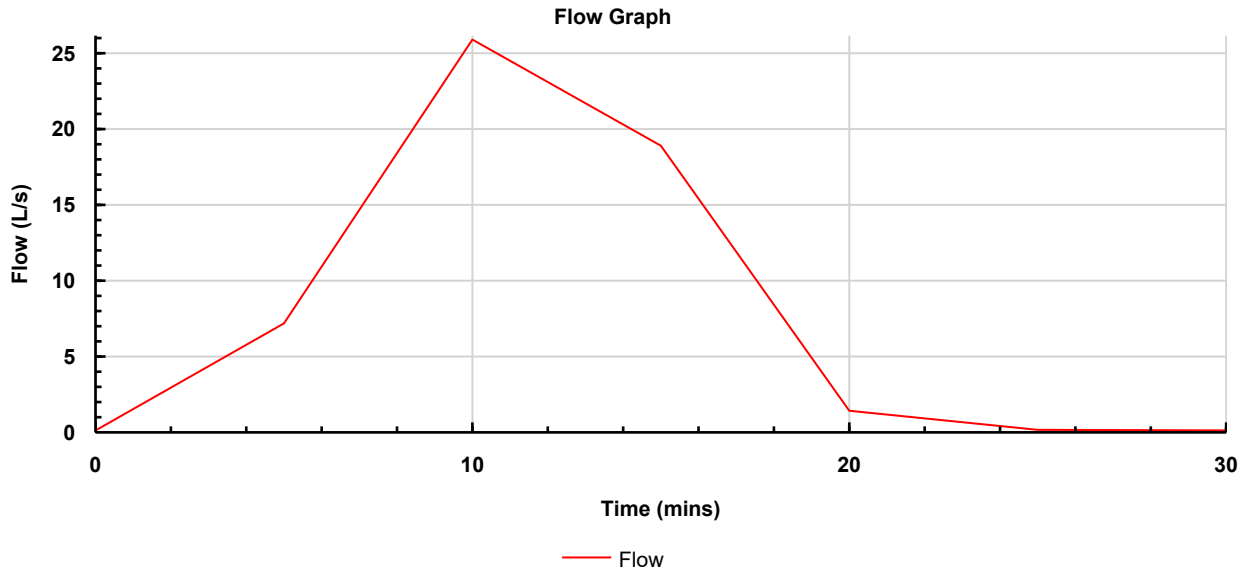
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.060	5.5
10	0.150	20.7
15	0.150	11.0
20	0.022	0.6
25	0.003	0.0
30	0.002	0.0

Pipe (11)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



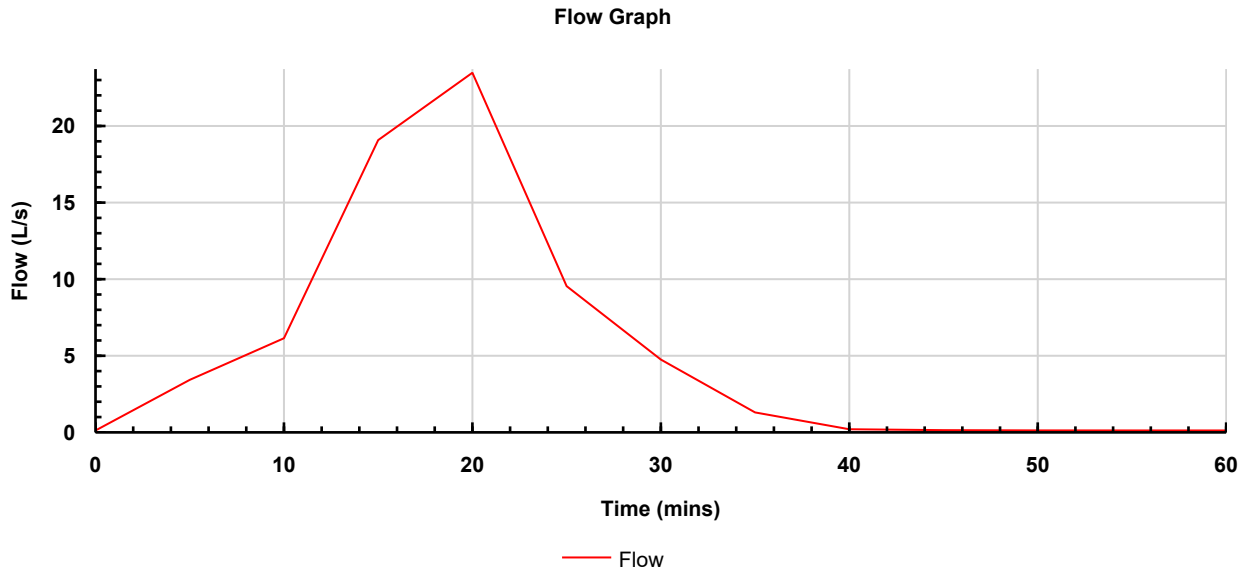
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.066	7.1
10	0.150	25.9
15	0.150	18.9
20	0.031	1.3
25	0.006	0.0
30	0.003	0.0

Pipe (12)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 30 mins: Summer

Type : Pipe

Graphs



Tables

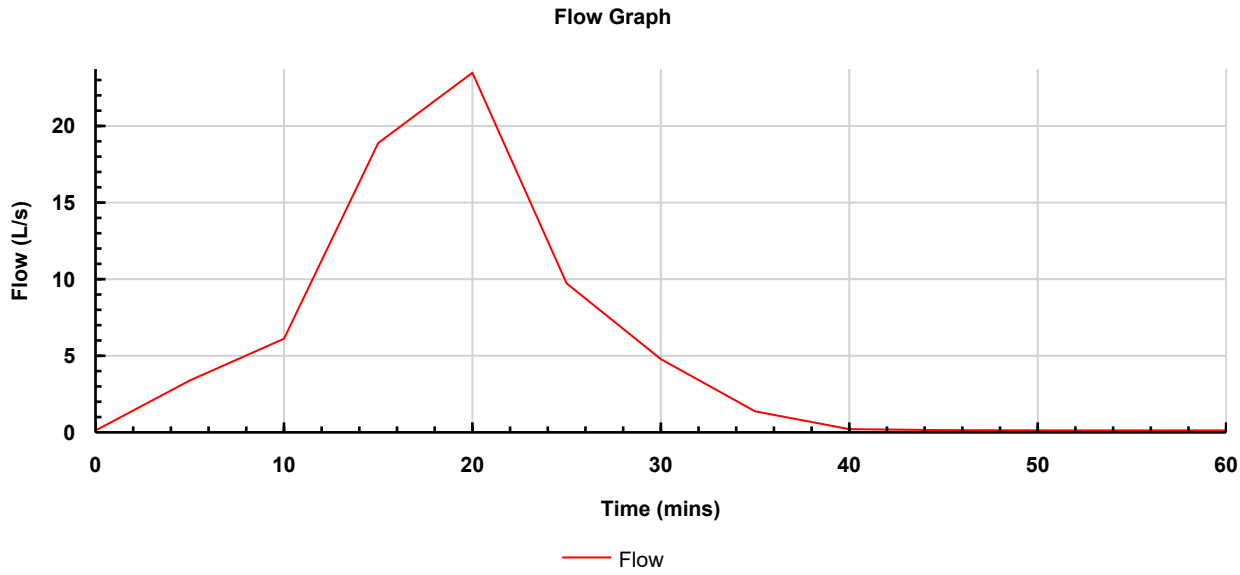
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.033	3.3
10	0.044	6.1
15	0.103	19.1
20	0.138	23.5
25	0.055	9.5
30	0.038	4.7
35	0.019	1.2
40	0.006	0.1
45	0.003	0.0
50	0.002	0.0
55	0.001	0.0
60	0.001	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Connection Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Pipe (13)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 30 mins: Summer

Type : Pipe

Graphs



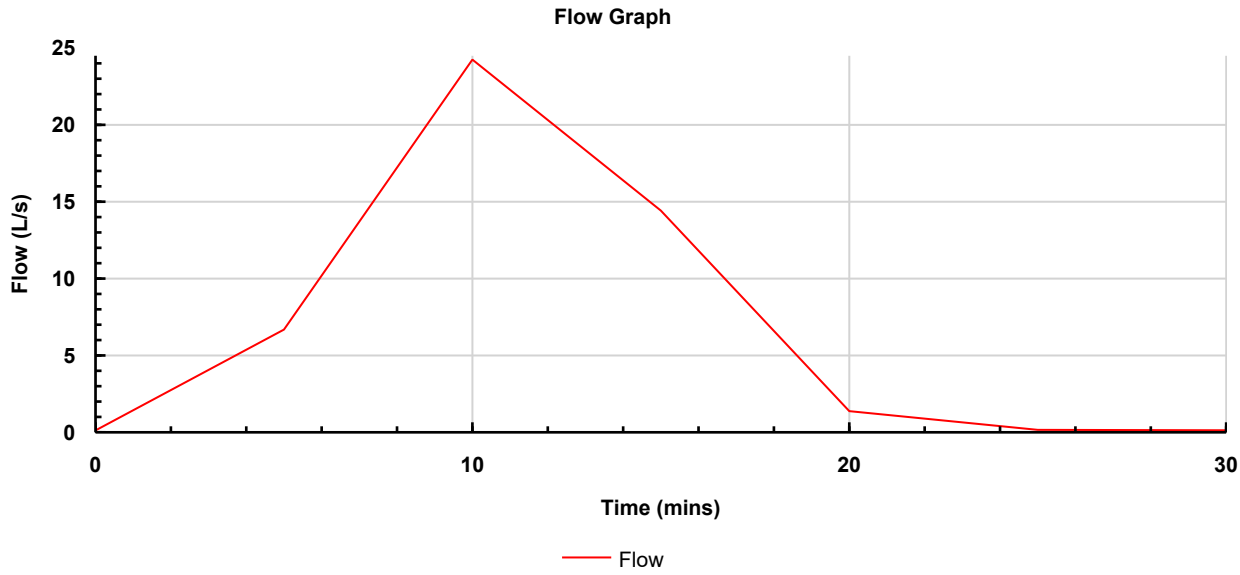
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.018	3.3
10	0.057	6.0
15	0.150	18.9
20	0.150	23.5
25	0.150	9.7
30	0.150	4.7
35	0.150	1.3
40	0.150	0.1
45	0.150	0.0
50	0.150	0.0
55	0.150	0.0
60	0.150	0.0

Pipe (14)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



Tables

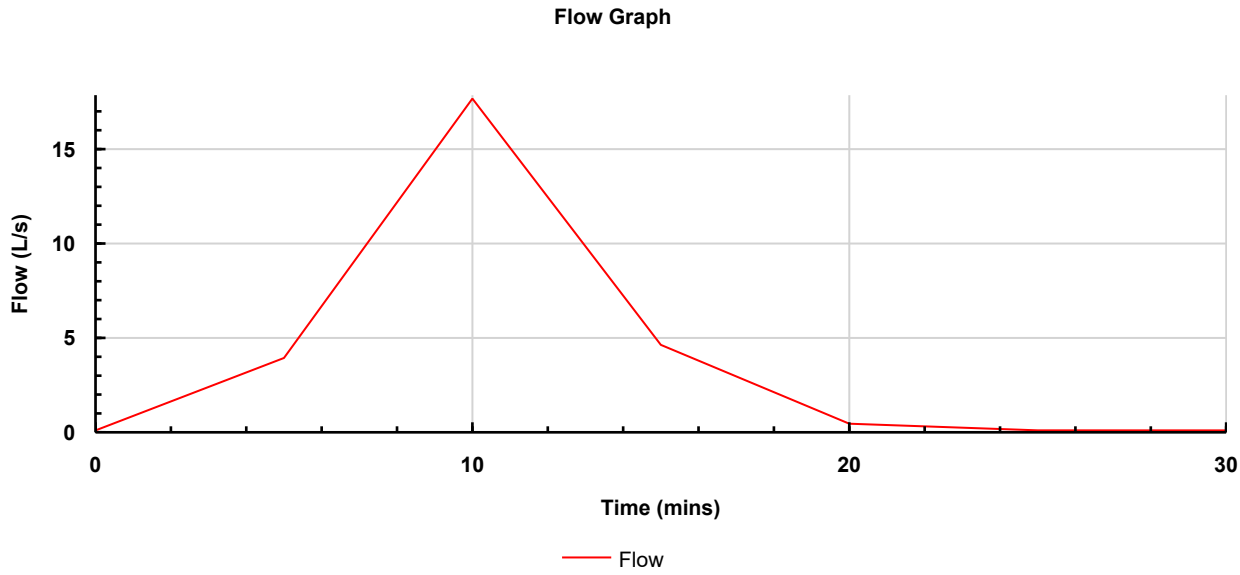
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.050	6.6
10	0.150	24.2
15	0.071	14.4
20	0.020	1.3
25	0.004	0.0
30	0.002	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Connection Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Pipe (16)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



Tables

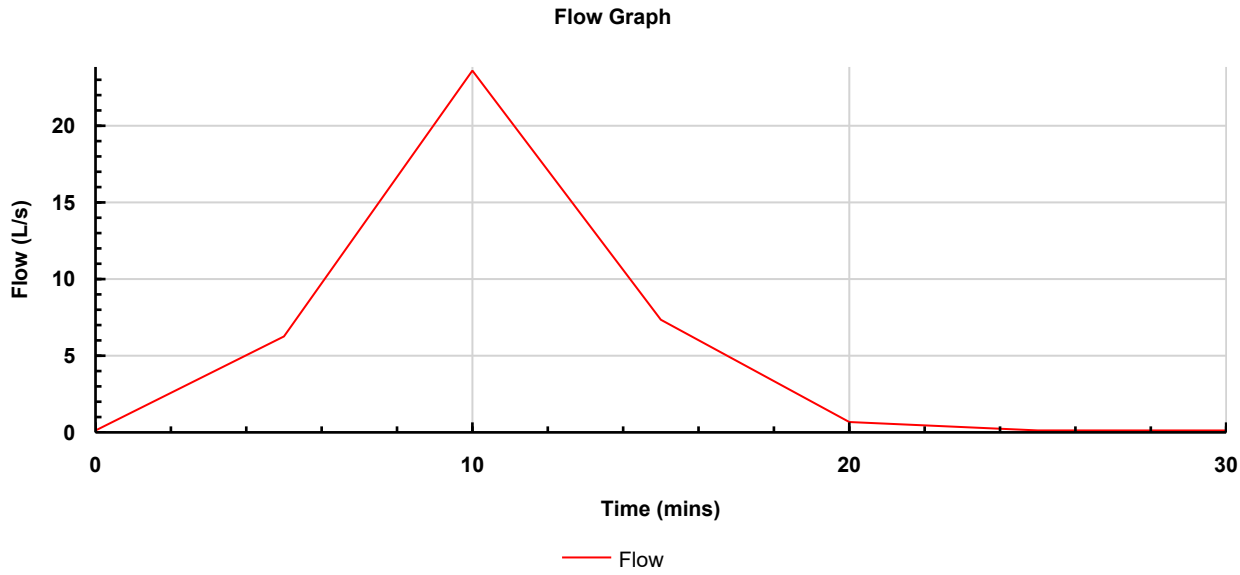
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.034	3.9
10	0.073	17.7
15	0.038	4.6
20	0.011	0.4
25	0.002	0.0
30	0.001	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Connection Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Pipe (17)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



Tables

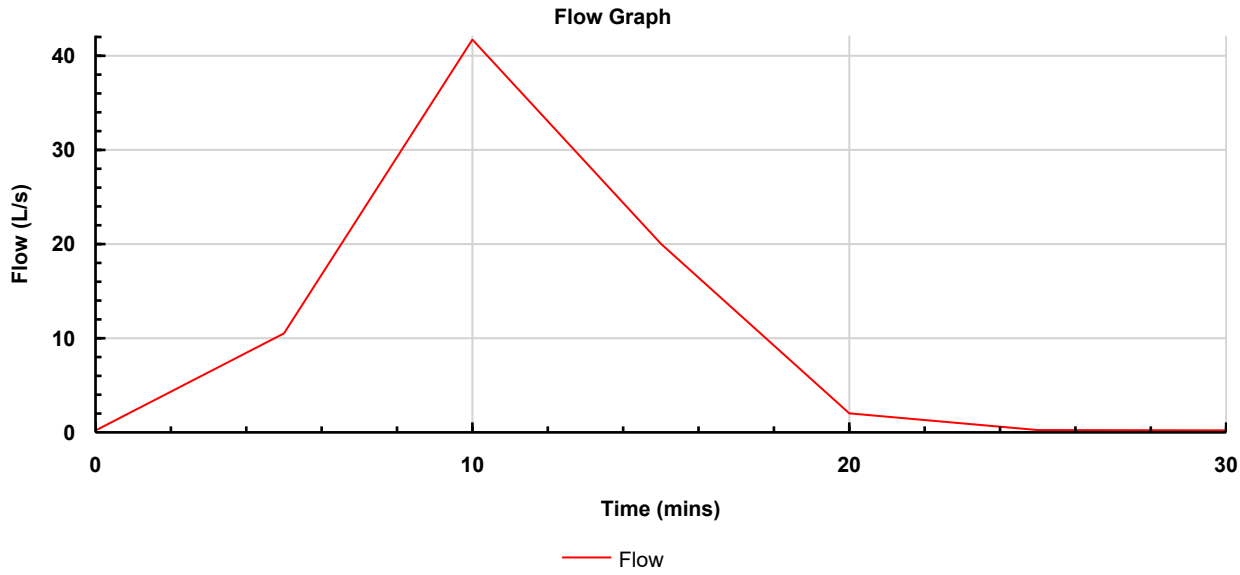
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.064	6.2
10	0.150	23.6
15	0.084	7.3
20	0.023	0.6
25	0.004	0.0
30	0.002	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Connection Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Pipe (15)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



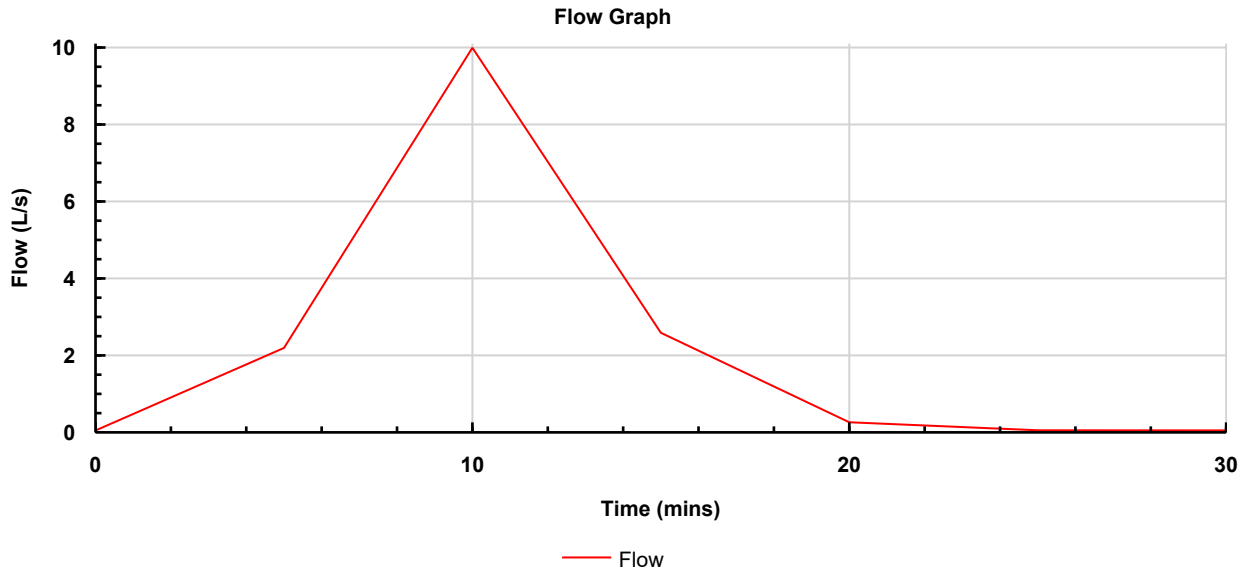
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.033	10.4
10	0.150	41.7
15	0.150	19.9
20	0.150	1.8
25	0.150	0.0
30	0.150	0.0

Pipe (5)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



Tables

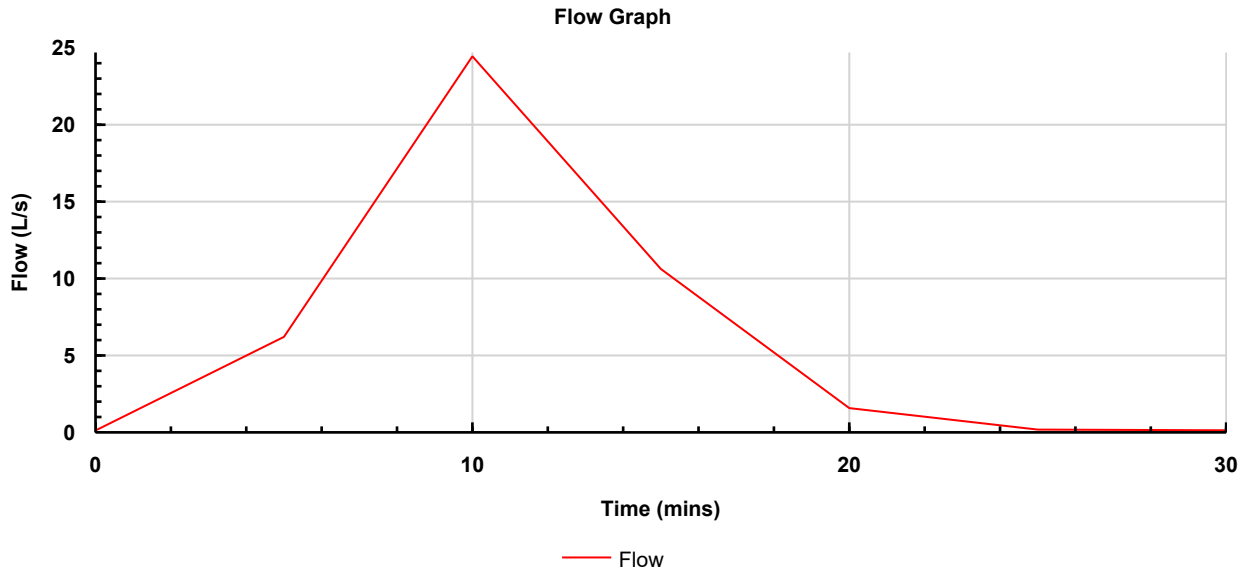
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.023	2.2
10	0.129	10.0
15	0.150	2.6
20	0.150	0.2
25	0.150	0.0
30	0.150	0.0

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Connection Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Pipe (9)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.031	6.1
10	0.142	24.4
15	0.150	10.6
20	0.150	1.5
25	0.150	0.1
30	0.150	0.0

APPENDIX F

DRAINAGE LAYOUT AND DETAILS

CONTINUED OPPOSITE

Key

- Foul water pipe showing flow direction
- FMH00 — Foul water manhole & number
- FIC00 — Foul water inspection chamber & number
- Surface water pipe showing flow direction
- SMH00 — Surface water manhole & number
- SIC00 — Surface water inspection chamber & number

Notes

- Surface water discharge to be agreed with local authority prior to connection.
- Catch pits to be installed to all chambers/manholes prior to discharge to soakaway.
- Any drainage run through RPA to be agreed with tree officer prior to commencing installation.
- Manhole and interception cover level to be confirmed.
- Current design based on Infiltration testing within site investigation report. Final testing at soakaway locations and depths to BRE365 to be undertaken at each soakaway location to verify discharge rates and design updated accordingly during construction phase.

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2. Covers HD in road, MD in paths and landscaped areas.
3. All branches from stacks 100mm Ø.
4. All inspection chambers 450mm Ø with 450mm covers.
5. Manholes generally to be 1200x750 or 1050 Ø with 600x600 or 600 Ø covers except manholes between 1.5 & 2.7m deep which are to be minimum 1200mm Ø.
6. Ground floor ensuite shower and bath connections made below floor into nearest run min. 2000mm downstream using 135 branch pipe. Trap to be demountable for rodding.
7. RWP to discharge into roddable access gullies compatible
8. Gullies in hardstanding to be Hepworth semi-universal-square top (200m² capacity).
9. Ensure trap is fitted on laundry installation (separate connection).
10. Drain runs in the car park area to be surrounded in minimum 150mm pea gravel giving class s bedding factor 2.5.
11. All soil stacks to be vented - those marked SVP are taken through the roof and vented to air , all other to be fitted with Agrement Certified Air Admittance Valves.
12. Invert levels, pipe diameters, gradients, and connection points associated with petrol interceptors, storage and infiltration areas to be specified by Subcontractor.
13. Rocker pipes are to be fitted at each side of any pipes penetrating walls or relieving lintels are to be provided.
14. See project specification for further information.
15. 150Ø drains assume 1:150 unless stated
16. 100Ø drains assume 1:80 unless stated
17. Kitchen wastes connected to above floor grease trap and then into soil stack.
18. Where manhole/inspection chamber covers are located in paved or block paved areas, then covers need to be recessed to accept paving type.

DRAWING REVISIONS

REV	DESCRIPTION	DATE	BY	CHK
A	Updated to suit comments	04-11-2025	GB	SS

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CLIENT
The Ramsbury Manor Foundation

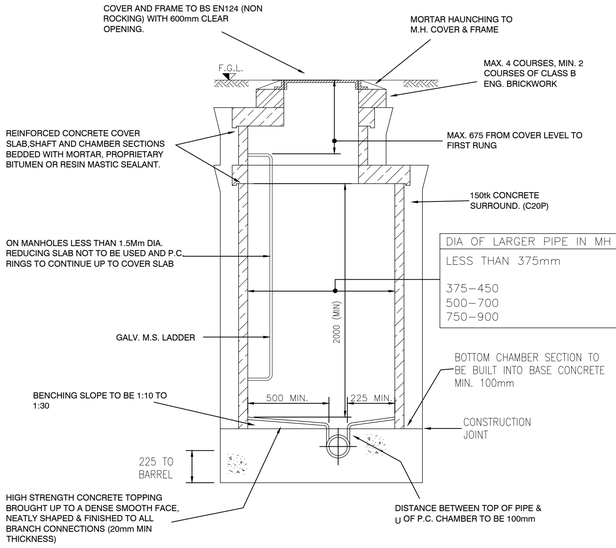
PROJECT
Ramsbury Manor - Estates Yard

DRAWING TITLE
Drainage Layout - Estates Yard

DRAWING STATUS
FOR COMMENT

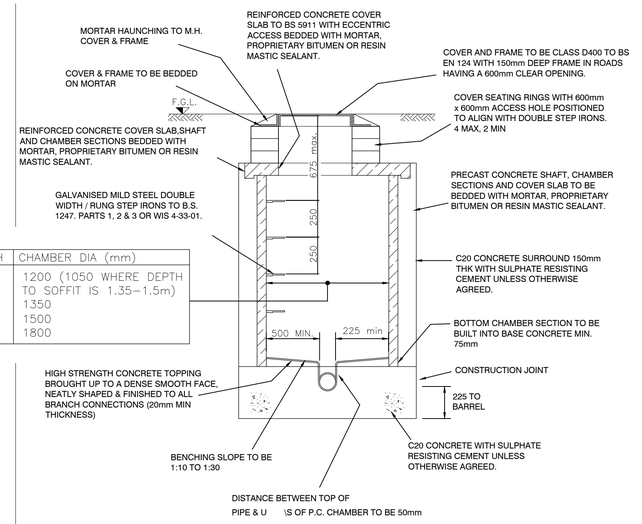
SCALE	DATE
1:250 @ A1	Aug 2025
DRAWN BY	CHECKED BY
GB	PO

JOB NO.	DWG NO.	REV
2080	SL(5)500	A



DIA OF LARGER PIPE IN MH	CHAMBER DIA (mm)
LESS THAN 375mm	1200 (1050 WHERE DEPTH TO SOFFIT IS 1.35–1.5m)
375–450	1350
500–700	1500
750–900	1800

Type 'A' Manhole Detail
Depth From Ground Level To Soffit Of Pipe 3m to 6m



Type 'B' Manhole Detail
Max Depth From Ground Level To Soffit Of Pipe 3m

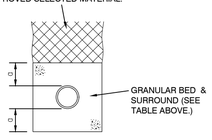
PIPE DIA.	ROCKER PIPE LENGTH
150-600	0.6
675-750	1.0
>750	1.25

Plan
Manhole Type 'A'

PLAN
MANHOLE TYPE 'B'
Table A

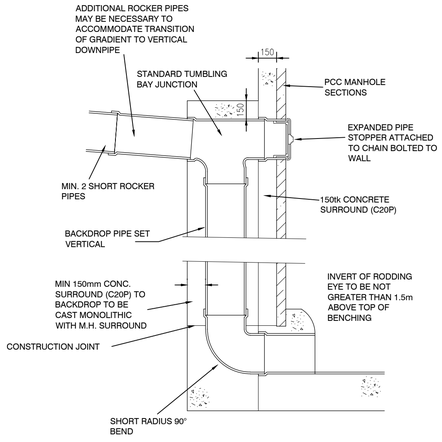
TABLE 1			
PIPE NOMINAL BORE (DN)	MAX. PARTICLE SIZE (mm)	CLASS OF BEDDING	SUITABLE IMPORTED GRANULAR MATERIALS
OVER 100 TO 150 dia	15	S	10mm OR 14mm NOMINAL SINGLE-SIZED OR 14mm TO 5mm GRADED.
OVER 150 TO 500dia	20	S	10,14 0R 20mm NOMINAL SINGLE -SIZED OR 14mm TO 5mm GRADED 0R 20mm TO 5mm GRADED.
OVER 500	40	S	10,14,20 OR 40mm NOMINAL SINGLE-SIZED CRUSHED ROCK OR 14mm TO 5mm GRADED OR 20mm TO 5mm GRADED OR 40mm TO 5mm GRADED.

UNDER ALL HARDSTANDING AREAS BACKFILL WITH 40mm DOWN GRADED STONE , HARD- CORE. ELSEWHERE (ie SOFT LANDSCAPED AREAS) BACKFILL WITH APPROVED SELECTED MATERIAL.

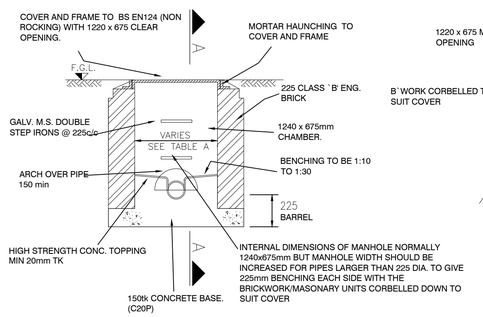


DIMENSION a :-
IN ROCK OR MATERIAL CONTAINING HARD SPOTS
SLEEVED JOINTED PIPES - 150mm MIN.
SOCKETED PIPES - 200mm MIN.
ELSEWHERE
SLEEVED JOINTED PIPES - 100mm MIN
SOCKETED PIPES - 100mm MIN.

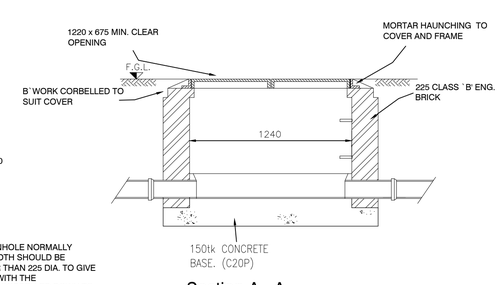
Class 'S' Pipe Bedding Detail



Vertical Backdrop Detail



Type 'C' Manhole Detail
Max Depth From Ground Level To Soffit Of Pipe 1.45m



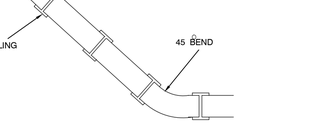
Section A - A
Section Through MH Type C

PIPE DIA.	INTERNAL MANHOLE SIZE	CORBELL DETAILS
UPTO 225	1240x675	NOT REQUIRED
300	1240x750	2 BRICK CORBELL
375	1240x825	3 BRICK CORBELL
450	1240x900	3 BRICK CORBELL
MAX. BRICK CORBELL PER COURSE TO BE 38mm		

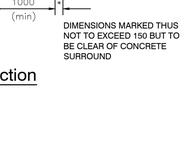
Table A

COMPRESSIBLE FILLER TO CONSIST OF BITUMEN IMPREGNATED INSULATING BOARD TO BS 1142: PART 3 OR OTHER EQUALLY COMPRESSIBLE MATERIAL. (FOR THICKNESS OF COMPRESSIBLE FILLER SEE TABLE ABOVE.)

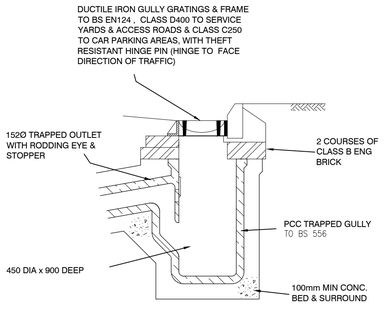
NOMINAL DIA OF PIPE (mm)	THICKNESS OF COMPRESSIBLE FILLER (mm)
LESS THAN 450	18
450-1200	36
EXCEEDING 1200	54



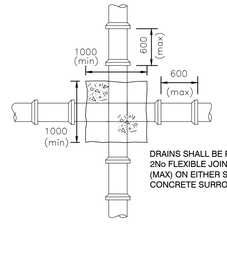
MOVEMENT JOINT TO CONCRETE PIPE SURROUND
Table A



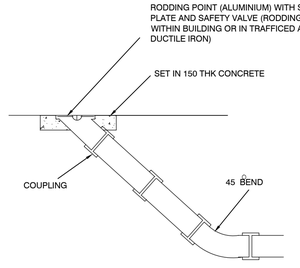
TYPICAL CONCRETE PIPE SURROUND DETAIL
Table A



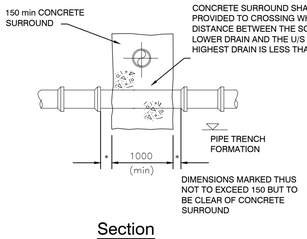
Typical Road Gully Detail



Plan On Pipe Crossover



Rodding Eye Detail
(NOT TO SCALE)



Section

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DRAINAGE NOTES
1. Invert of foul and surface water inspection chambers to be min 600mm below FFL
2. Covers HD in road, MD in paths and landscaped areas.
3. All branches from stacks 100mm Ø.
4. All inspection chambers 450mm Ø with 450mm covers.
5. Manholes generally to be 1200x750 or 1050 Ø with 600x600 or 600 Ø covers except manholes between 1.5 & 2.7m deep which are to be minimum 1200mm Ø.
6. Ground floor ensuite shower and bath connections made below floor into nearest run min. 2000mm downstream using 135 branch pipe. Trap to be demountable for rodding.
7. RWP to discharge into roddable access gullies compatible
8. Gullies in hardstanding to be Hepworth semi-universal-square top (200m² capacity).
9. Ensure trap is fitted on laundry installation (separate connection).
10. Drain runs in the car park area to be surrounded in minimum 150mm pea gravel giving class s bedding factor 2.5.
11. All soil stacks to be vented - those marked SVP are taken through the roof and vented to air , all other to be fitted with Agrement Certified Air Admittance Valves.
12. Invert levels, pipe diameters, gradients, and connection points associated with petrol interceptors, storage and infiltration areas to be specified by Subcontractor.
13. Rocker pipes are to be fitted at each side of any pipes penetrating walls or relieving lintels are to be provided.
14. See project specification for further information.
15. 150Ø drains assume 1:150 unless stated
16. 100Ø drains assume 1:80 unless stated
17. Kitchen wastes connected to above floor grease trap and then into soil stack.
18. Where manhole/inspection chamber covers are located in paved or block paved areas, then covers need to be recessed to accept paving type.

DRAWING REVISIONS

REV	DESCRIPTION	DATE	BY	CHK

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AFA Consulting Engineers Ltd
2a Acomb Court,
Front St,
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YO24 3BJ
admin@afa-eng.co.uk

CLIENT
The Ramsbury Manor Foundation

PROJECT
Ramsbury Manor - Estates Yard

DRAWING TITLE
Drainage Details

DRAWING STATUS
FOR COMMENT

SCALE	DATE	
1:50 @ A1	Aug 2025	
DRAWN BY	CHECKED BY	
GB	PO	
JOB NO.	DWG NO.	REV
2080	SL(5)501	-

Key

		Foul water pipe showing flow direction
	FMH00	Foul water manhole & number
	FIC00	Foul water inspection chamber & number
		Surface water pipe showing flow direction
	SMH00	Surface water manhole & number
	SIC00	Surface water inspection chamber & number
		Permeable surface with min 100mm storage within subbase @ 30%
		Soakaway as detailed

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DRAWING REVISIONS

REV	DESCRIPTION	DATE	BY	CHK

Notes

- Contractor to undertake CCTV survey of all existing drainage systems prior to commencing demolition to determine condition, routes, etc.
- Invert levels to existing surface and foul water to be confirmed on site prior to commencing drainage installation.
- RWP locations to be confirming curing detailed design stage current locations are only indicative
- SVP locations to be confirming curing detailed design stage current locations are only indicative
- Manhole and interception chamber cover and invert levels to be confirming during detailed design stage
- Drainage channel to be provided to all entrances during detailed design stage
- Surface water discharge to be agreed with local authority prior to connection.
- Drainage run through RPA to be agreed with tree officer prior to commencing installation.
- For Aco drain to entrance/door threshold use Aco RainDrain Brickslot B 125 or similar approved with heel protector.
- For the gully to bin store use 150x150 square gully with metal cover.

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YO24 3BJ

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CLIENT
The Ramsbury Manor Foundation

PROJECT
Ramsbury Manor - Exhibition Centre

DRAWING TITLE
Drainage Layout - Exhibition Centre

DRAWING STATUS
FOR COMMENT

SCALE	DATE	
1:250 @ A1	Aug 2025	
DRAWN BY	CHECKED BY	
GB	PO	
JOB NO.	DWG NO.	REV
2080	SL(5)502	-

CONTINUED OPPOSITE

CONTINUED OPPOSITE

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16. 100Ø drains assume 1:80 unless stated
17. Kitchen wastes connected to above floor grease trap and then into soil stack.
18. Where manhole/inspection chamber covers are located in paved or block paved areas, then covers need to be recessed to accept paving type.

DRAWING REVISIONS

REV	DESCRIPTION	DATE	BY	CHK
A	Updated to suit latest layout	03-11-2025	GB	SS

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YO24 3BJ

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CLIENT
The Ramsbury Manor Foundation

PROJECT
Ramsbury Manor - Estates Yard

DRAWING TITLE
Proposed Drained Areas - Estates Yard

DRAWING STATUS
FOR COMMENT

SCALE	DATE	
1:250 @ A1	Aug 2025	
DRAWN BY	CHECKED BY	
GB	PO	
JOB NO.	DWG NO.	REV
2080	SL(5)510	A

DO NOT SCALE FROM THIS DRAWING

GENERAL

1. These notes are intended to augment drawings and specifications. Where conflict of requirements exists the order of precedence shall be as shown in the specifications. Otherwise the strictest provision shall govern.
2. This drawing is to be read in conjunction with all other relevant Engineers and Architects drawings.
3. Drawings not to be scaled. All dimensions to be checked on site by the Contractor prior to the commencement of any work or shop drawing. Any discrepancies to be notified to the Architect & Engineer and further instructions obtained before work is commenced.

DRAINAGE NOTES
1. Invert of foul and surface water inspection chambers to be min 600mm below FFL
2. Covers HD in road, MD in paths and landscaped areas.
3. All branches from stacks 100mm Ø.
4. All inspection chambers 450mm Ø with 450mm covers.
5. Manholes generally to be 1200x750 or 1050 Ø with 600x600 or 600 Ø covers except manholes between 1.5 & 2.7m deep which are to be minimum 1200mm Ø.
6. Ground floor ensuite shower and bath connections made below floor into nearest run min. 2000mm downstream using 135 branch pipe. Trap to be demountable for rodding.
7. RWP to discharge into roddable access gullies compatible
8. Gullies in hardstanding to be Hepworth semi-universal-square top (200m² capacity).
9. Ensure trap is fitted on laundry installation (separate connection).
10. Drain runs in the car park area to be surrounded in minimum 150mm pea gravel giving class s bedding factor 2.5.
11. All soil stacks to be vented - those marked SVP are taken through the roof and vented to air , all other to be fitted with Agrement Certified Air Admittance Valves.
12. Invert levels, pipe diameters, gradients, and connection points associated with petrol interceptors, storage and infiltration areas to be specified by Subcontractor.
13. Rocker pipes are to be fitted at each side of any pipes penetrating walls or relieving lintels are to be provided.
14. See project specification for further information.
15. 150Ø drains assume 1:150 unless stated
16. 100Ø drains assume 1:80 unless stated
17. Kitchen wastes connected to above floor grease trap and then into soil stack.
18. Where manhole/inspection chamber covers are located in paved or block paved areas, then covers need to be recessed to accept paving type.

DRAWING REVISIONS

REV	DESCRIPTION	DATE	BY	CHK

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CLIENT
The Ramsbury Manor Foundation

PROJECT
Ramsbury Manor - Exhibition Centre

DRAWING TITLE
Proposed Drained Areas

DRAWING STATUS
FOR COMMENT

SCALE	DATE
1:250 @ A1	Nov 2025
DRAWN BY	CHECKED BY
GB	PO
JOB NO.	DWG NO.	REV
2080	SL(5)511	-

APPENDIX G

DRAINAGE LAYOUT EXISTING STABLES BUILDING

CLEAN WATER

FOUL WATER

= DOWN PIPES AND GRIDS

= MANHOLE COVERS

ELECTRICITY STORE

TOWER FORESTERS WORK SHOP

GARAGE

GARAGE

GARAGE DUTCH BARN

DUTCH BARN

ENTRANCE TO FLAT A (CHAUFFEUR)

HALL

STORE

KITCHEN

STORE

KITCHEN

LIVING ROOM

HALL

GARAGE

COAL

TOILET

INNER COURTYARD

MAINTENANCE GARAGE

BOILER HOUSE

BOILER ROOM

UNDERGROUND FUEL TANK

STORE

SINK + WATER SOFTNER + RAIN WATER + POOL WATER + AIR CONDITIONING UNIT

SINK + WATER SOFTNER + RAIN WATER

+ POOL WATER + AIR CONDITIONING UNIT

GARAGE

PLANT ROOM

GARAGE

GARAGE

SAUNA

HOPPER FROM SAUNA ROOF AND PLANT ROOM ROOF

HOPPER FROM SAUNA ROOF AND PLANT ROOM ROOF

SOLARIUM

SHOWER

TAP

POOL COTTAGE BATHROOM

COVERED ENTRANCE WAY

ENTRANCE TO FLAT B

TO THE SOAKAWAY

KITCHEN

BARBECUE AREA

DINING AREA

INNER SEATING AREA

LADIES CHANGING ROOM

GENTS CHANGING ROOM

PLUNGE POOL

HOPPER FROM INNER LOUNGE ROOF AND WASTE FROM PRIVATE BASIN

HOPPER FROM INNER LOUNGE ROOF AND WASTE FROM PRIVATE BASIN

OUTER LOUNGE AREA

SWIM POOL

INNER POOL

PRIVATE REST ROOM

MAIN ENTRANCE

TERRACE

TEMPORARY TOILET

POOL OVERFLOW

TO SEPTIC TANK

SEPTIC TANK 1

SEPTIC TANK 2

UPSTAIRS KITCHEN AND BATHROOM

TO SEWAGE PLANT

TO SEWAGE PLANT

WELL

WELL

SOAKAWAY UNDER CEDAR TREE

SOAKAWAY UNDER CEDAR TREE

SOAKAWAY IN PARK

SOAKAWAY IN PARK

POOL DRAINAGE SYSTEM 2011