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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Appendix F – Report Terms and Conditions

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.

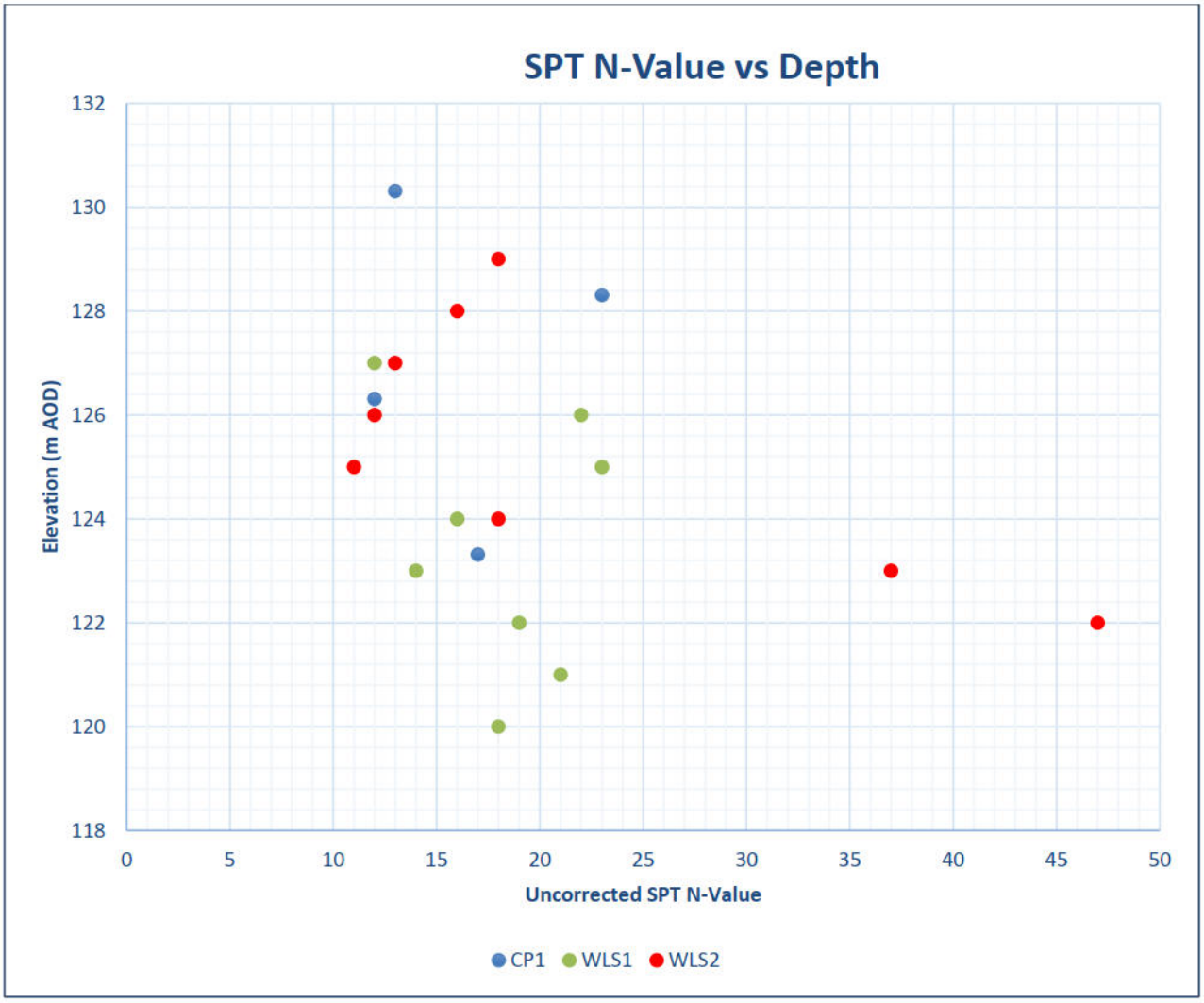
5.0 In-situ Testing

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.

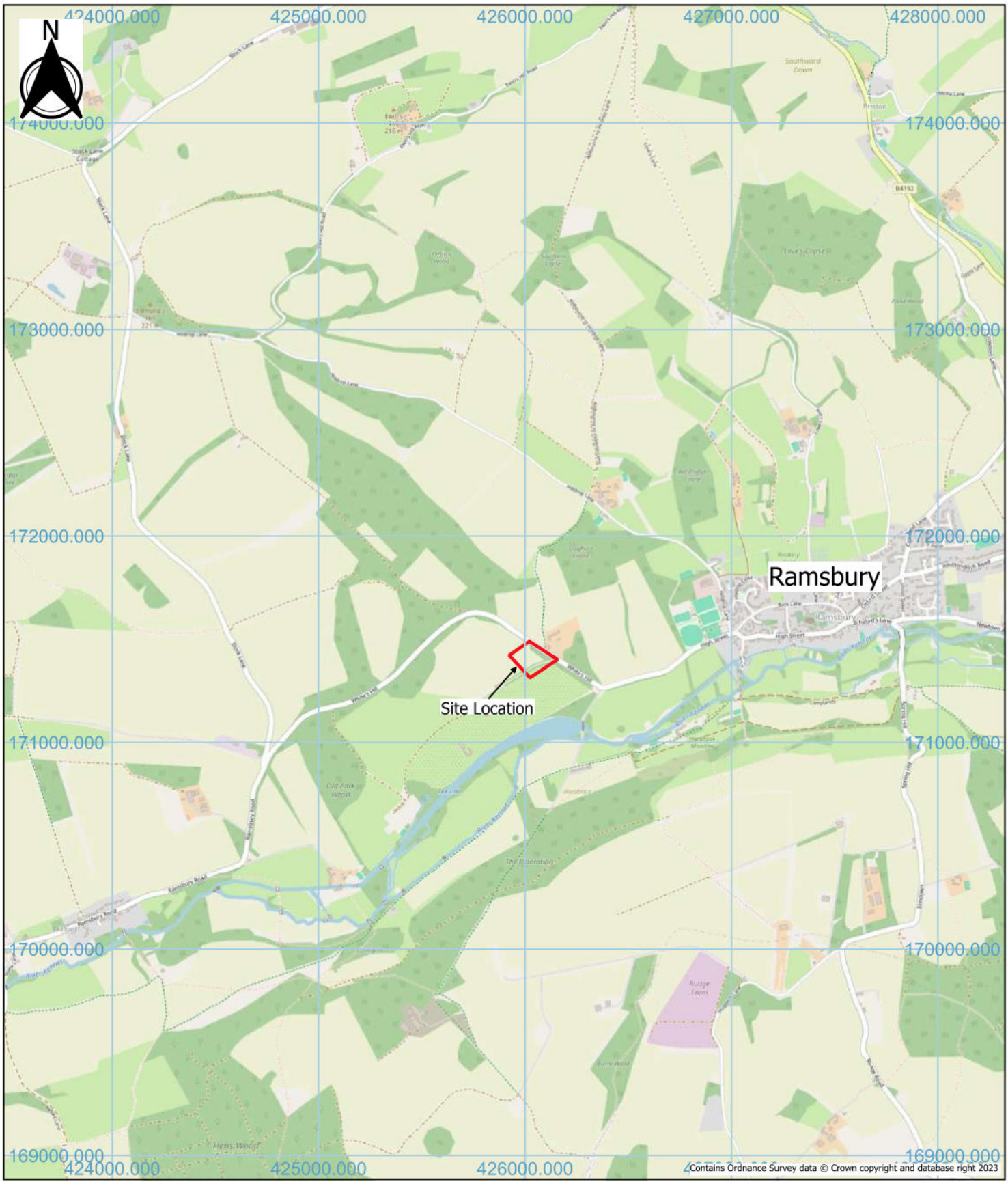
During construction a watch should be maintained for deep areas of fill or softer ground within the chalk. Should solution features be encountered then further investigation maybe required and mitigation measures considered.

[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



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 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.



3.



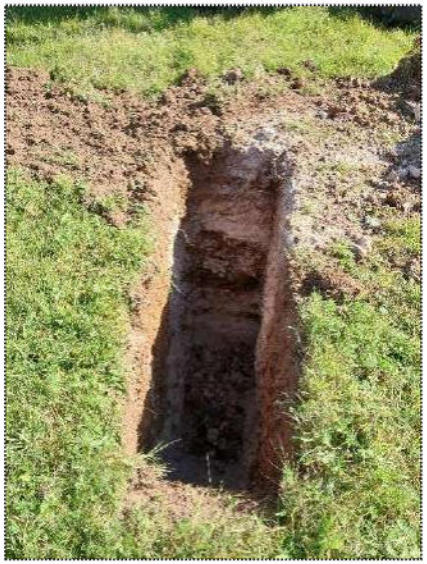
4.



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

Site Photographs

5.



6.



7.



8.



5) TP1 trial pit
6) TP1 0.0-2.0mbgl
7) TP1 Location
8) TP2 Location

Site Photographs

9.



10.



11.



12.



9) TP2 Spoil

10) TP2 0.0-2.0mbgl

11) CP1 and WLS1 Locations

12) CP1 Position

Site Photographs

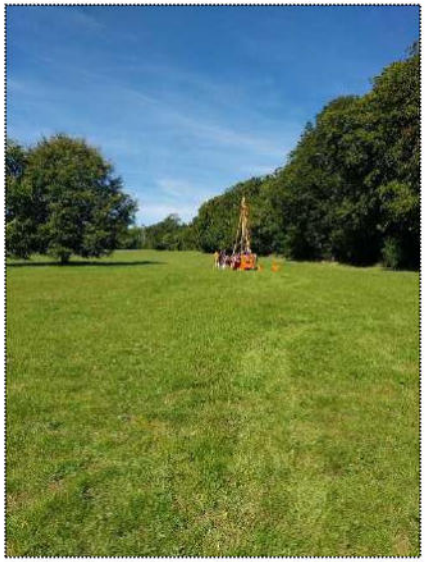
13.



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

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

BGS ID: 404779 : BGS Reference: SU27SE4
British National Grid (27700) : 426130,171470

RECORD OF WELL (SHAFT OR BORE) 267

SU 27 SE 1

N.S. 267

O.S.

Grid Ref.

121 2

At Swindon M. C.

Town or Village Ramsbury County Wilts Six-inch quarter sheet

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.) ft. If well starts below ground surface, state how far ft.

Shaft ft., diameter ft. Bore ~~32"~~ 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 to clear sediment. below top. Time of recovery hrs. Amount normally pumped daily g.p.h. for hours.

Quality (attach copy of analysis if available)

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

Information from

(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		

(7993) Wt.38054/0319 [illegible] A.&E.W.Ltd. Gp.496

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey

BGS ID: 404779 : BGS Reference: SU27SE4
British National Grid (27700) : 426130,171470

267/240

SU 27 SE/4

267

Station

Datum point 71.47

Observation well

Date

(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

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey

BGS ID: 404779 : BGS Reference: SU27SE4
British National Grid (27700) : 426130,171470

D

RECORD OF WELL

At Ramsbury Manor Farm
SU 2612/7147

Town or Village Ramsbury

County Wiltshire

For Survey use only Licence No.

N.....

267/240

SU 27/45

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).....

* DELETE WHICHEVER IS INAPPLICABLE

Level of ground surface above sea level (O.D.) 406·61 ft. ft well top is ~~not~~ at ground level, ~~state how far~~ ..... } above* below ; .....ft.

SHAFT ~~3'6"~~ ~~ft~~ c 4'6" ; 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

DESCRIPTION OF PERMANENT PUMPING EQUIPMENT :

NORMAL CONDITIONS

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 Second 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

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.

LOG OF STRATA OVERLEAF.

21/11/69 (3697) Wt.54188—P.3.47 10M 11/60 M.P.Ltd. G.722

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey

BGS ID: 404779 : BGS Reference: SU27SE4
British National Grid (27700) : 426130,171470

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

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey

BGS ID: 404779 : BGS Reference: SU27SE4
British National Grid (27700) : 426130,171470

SU27/45

Ramsbury Manor Farm Ramsbury. This is JWW, 24/45 264/240.
Visited. At the backdoor of the farmhouse some
equipment still in situ, not in use. R.W.L. 12·6 m

JWW 18-9-45

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey

BGS ID: 404779 : BGS Reference: SU27SE4
British National Grid (27700) : 426130,171470

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

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey

BGS ID: 404779 : BGS Reference: SU27SE4
British National Grid (27700) : 426130,171470

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 68844/1/3633 1m 1/61 R

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey
BGS ID: 404779 : BGS Reference: SU27SE4
British National Grid (27700) : 426130,171470

(3)

Station ..... H .....

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

.....

Observation well during test on ..... Aquifer .....

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
24 hours 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 hours 9.00	38-5½						
17.30	38-5½		Test started 1500 hrs	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		Level increased 1500 hrs				
~~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	39-3½		
17.05	38-10½			19 15.25	39-2		
4 June 9-35	38-11⅜			20 17.05	39-2¼		
16.10	38-11¾			21 16.10	39-2½		
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 10.30	39-3¼		
15.53	39-0⅞		(39.07)	25	—		
June 7 10.50	39-2			26 15.45	39-3¼		
17.45	39-2¼			27 ~~16.00~~	—		
8 11.35	39-1			29 16.00	39-4		
15.23	39-1						
9 10.50	39-1¾						
14.10	39-1¾						
JW 16.33	39-2¼						

Contact BGS: ngdc@bgs.ac.uk

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	D					Brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse sub-angular to sub-rounded nodular flint. (HEAD DEPOSITS)
		1.00	SPT	N=13 (1,3/3,3,3,4)				
		2.00	D		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)
		2.00 - 2.45	U	Ublow=45				
		2.50	D					
		3.00	D					
		3.00	SPT	N=23 (9,10/5,5,4,9)				
		4.00	D					
		4.00 - 4.45	U	Ublow=60				
		5.00	D					
		5.00	SPT	N=12 (1,3/3,2,3,4)				
		6.00	D					
		6.50 - 6.95	U	Ublow=38				
		7.00	D					
		8.00	D		8.00	123.31		End of Borehole at 8.000m
		8.00	SPT	N=17 (6,6/6,4,4,3)				

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.

AGS

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site investigation • building pathology

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.

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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): Depth 0.50 — 0.3 × 0.3	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	131.70		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	B		0.50	131.50		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.

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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	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)
				0.35	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): 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				
				0.32	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

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
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): 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)
				0.32	128.67		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	128.49		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
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): 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)
				0.35	123.65		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	123.50		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.

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
							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	123.12		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	122.92		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**

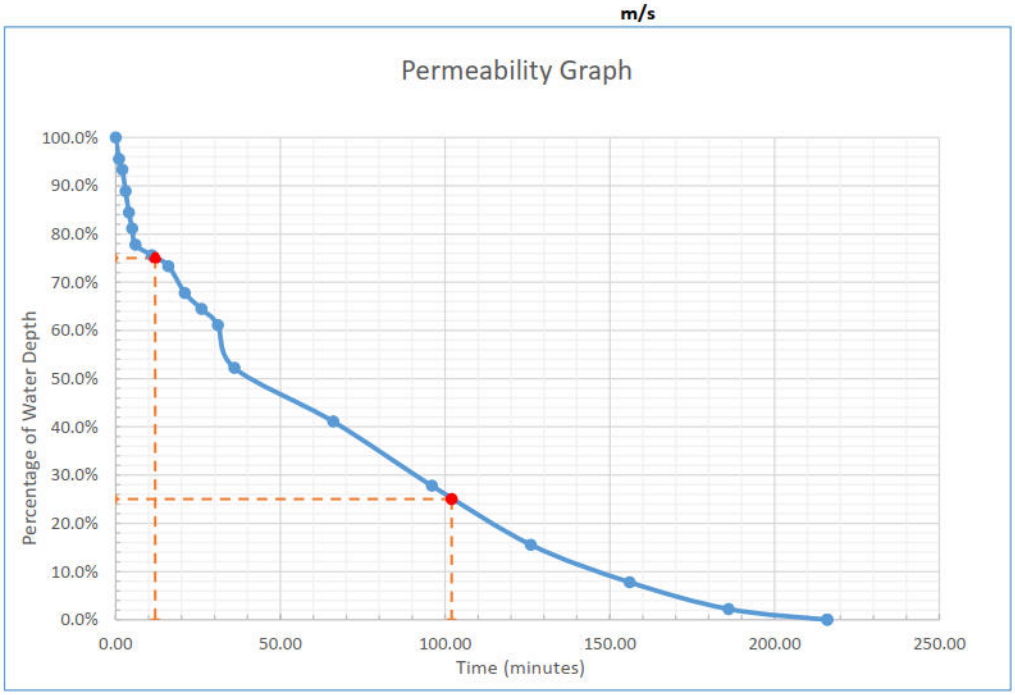
Time in minutes	Depth in metres to water surface	Head of Water from Base of Pit	Percentage of water depth at start
0.00	1.100	0.900	100.0%
1.00	1.140	0.860	95.6%
2.00	1.160	0.840	93.3%
3.00	1.200	0.800	88.9%
4.00	1.240	0.760	84.4%
5.00	1.270	0.730	81.1%
6.00	1.300	0.700	77.8%
11.00	1.320	0.680	75.6%
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: Ramsbury Manor, Marlborough

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

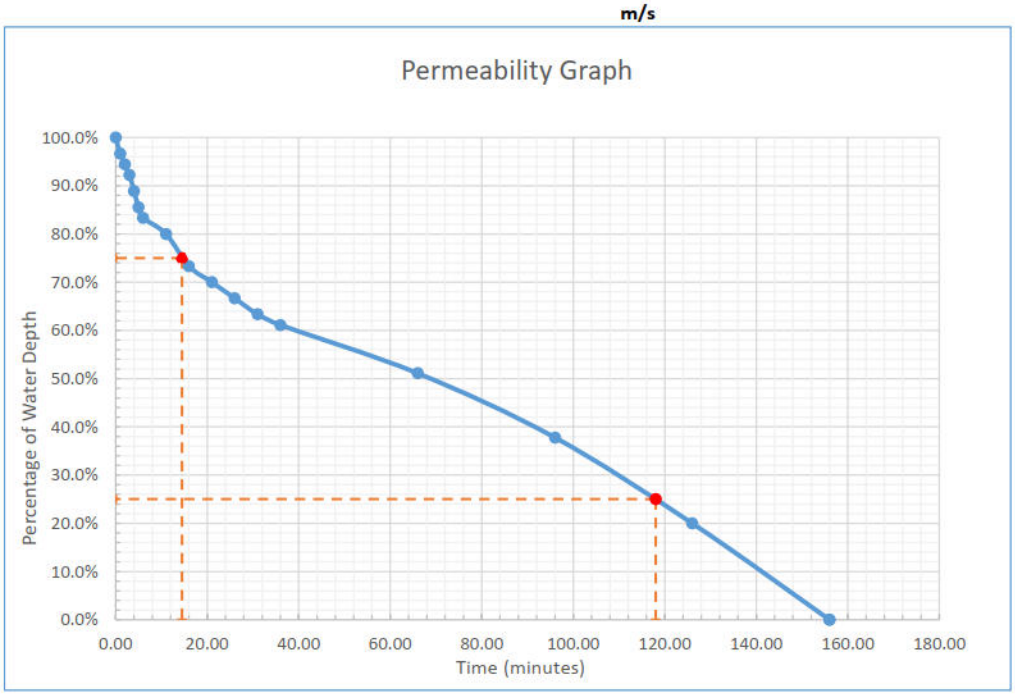
Time in minutes	Depth in metres to water surface	Head of Water from Base of Pit	Percentage of water depth at start
0.00	1.100	0.900	100.0%
1.00	1.130	0.870	96.7%
2.00	1.150	0.850	94.4%
3.00	1.170	0.830	92.2%
4.00	1.200	0.800	88.9%
5.00	1.230	0.770	85.6%
6.00	1.250	0.750	83.3%
11.00	1.280	0.720	80.0%
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**

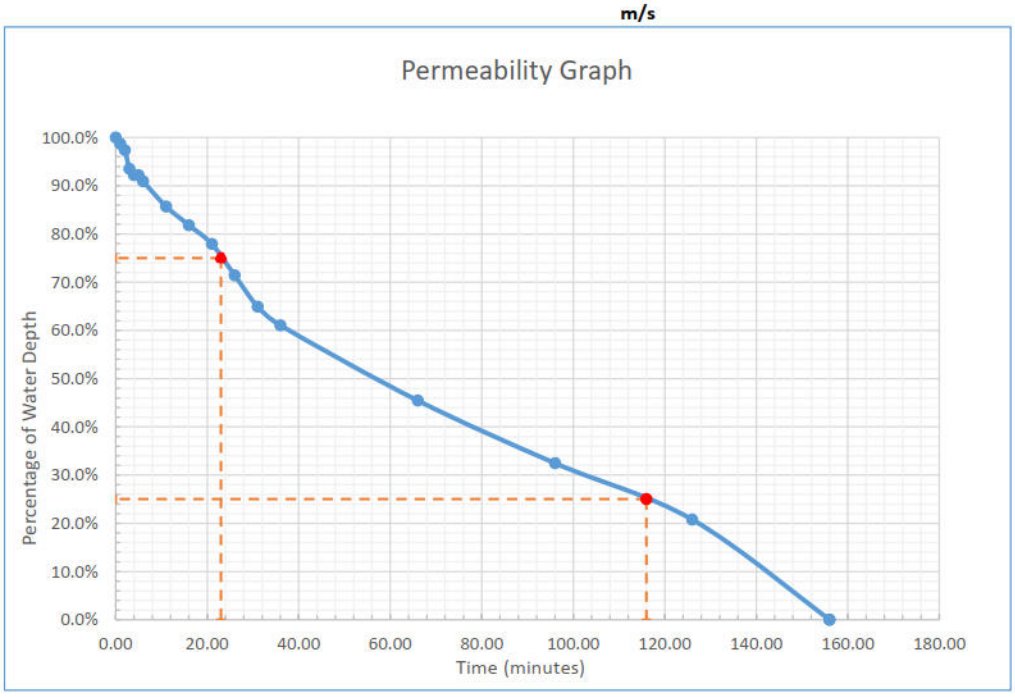
Time in minutes	Depth in metres to water surface	Head of Water from Base of Pit	Percentage of water depth at start
0.00	1.230	0.770	100.0%
1.00	1.240	0.760	98.7%
2.00	1.250	0.750	97.4%
3.00	1.280	0.720	93.5%
4.00	1.290	0.710	92.2%
5.00	1.290	0.710	92.2%
6.00	1.300	0.700	90.9%
11.00	1.340	0.660	85.7%
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**

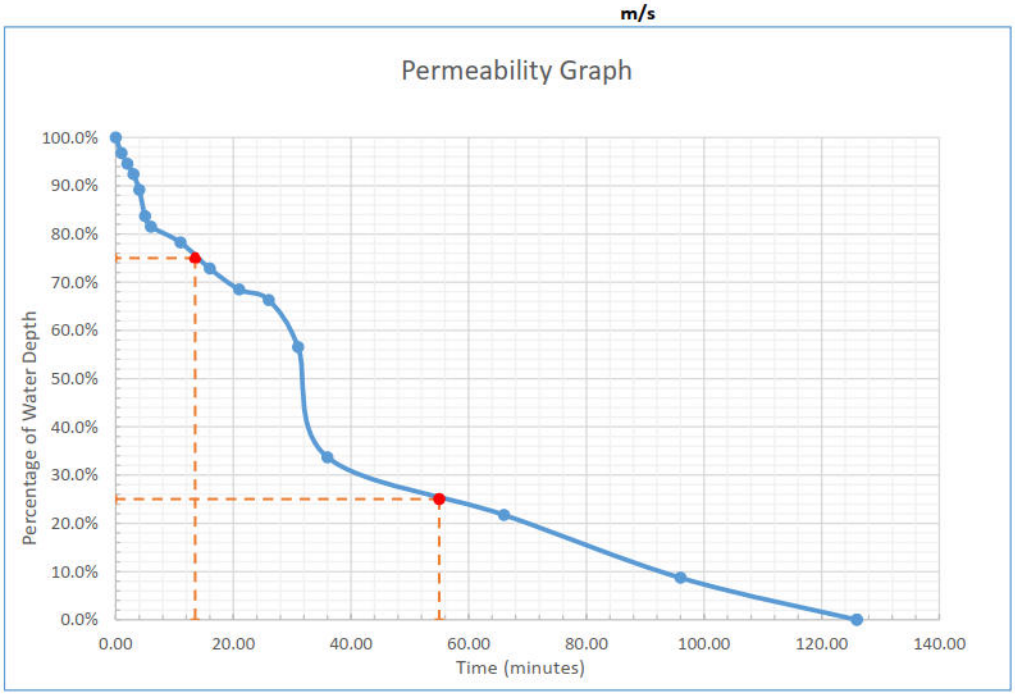
Time in minutes	Depth in metres to water surface	Head of Water from Base of Pit	Percentage of water depth at start
0.00	1.080	0.920	100.0%
1.00	1.110	0.890	96.7%
2.00	1.130	0.870	94.6%
3.00	1.150	0.850	92.4%
4.00	1.180	0.820	89.1%
5.00	1.230	0.770	83.7%
6.00	1.250	0.750	81.5%
11.00	1.280	0.720	78.3%
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**

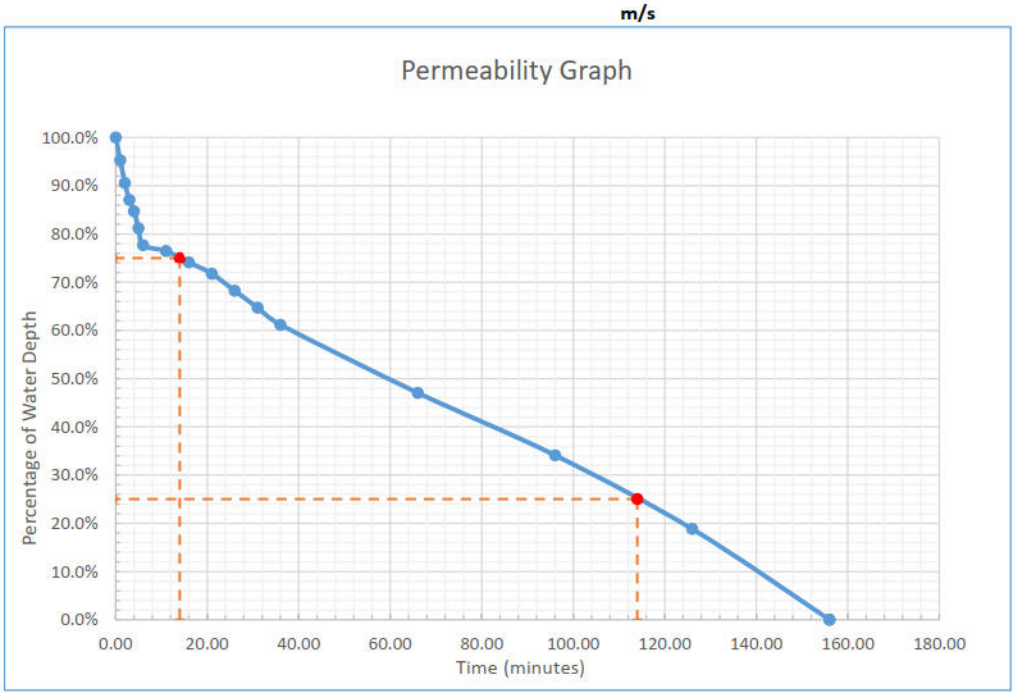
Time in minutes	Depth in metres to water surface	Head of Water from Base of Pit	Percentage of water depth at start
0.00	1.150	0.850	100.0%
1.00	1.190	0.810	95.3%
2.00	1.230	0.770	90.6%
3.00	1.260	0.740	87.1%
4.00	1.280	0.720	84.7%
5.00	1.310	0.690	81.2%
6.00	1.340	0.660	77.6%
11.00	1.350	0.650	76.5%
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

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Site: Ramsbury Manor, Marlborough

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

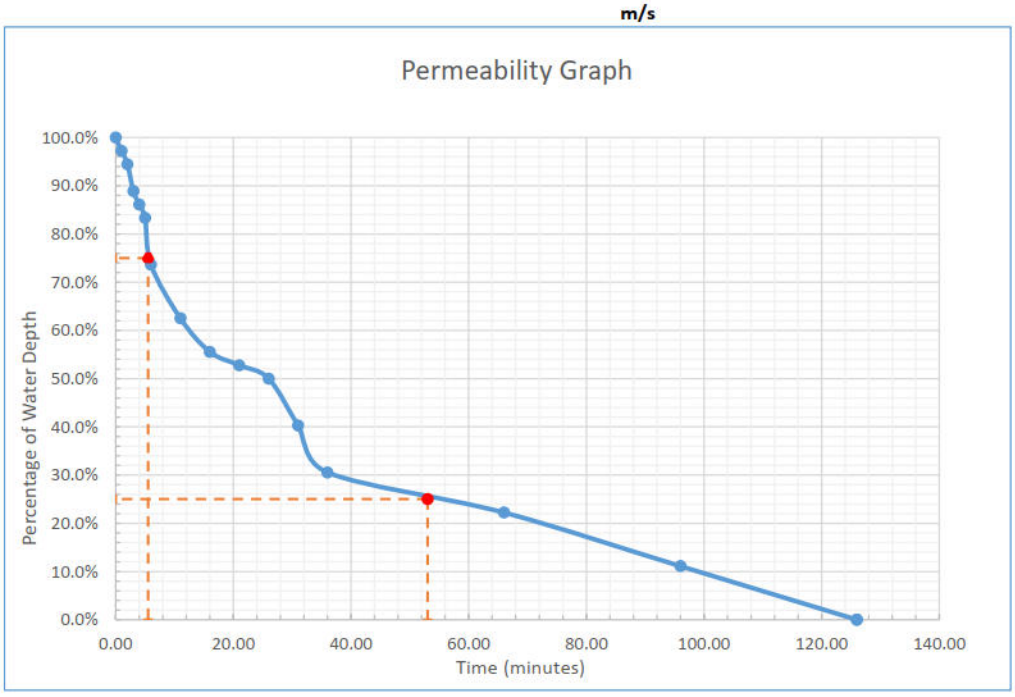
Time in minutes	Depth in metres to water surface	Head of Water from Base of Pit	Percentage of water depth at start
0.00	1.280	0.720	100.0%
1.00	1.300	0.700	97.2%
2.00	1.320	0.680	94.4%
3.00	1.360	0.640	88.9%
4.00	1.380	0.620	86.1%
5.00	1.400	0.600	83.3%
6.00	1.470	0.530	73.6%
11.00	1.550	0.450	62.5%
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**

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:

S Burke

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 : 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

Tested by SB
Checked and Approved by

S Burke

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:

S Burke

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:

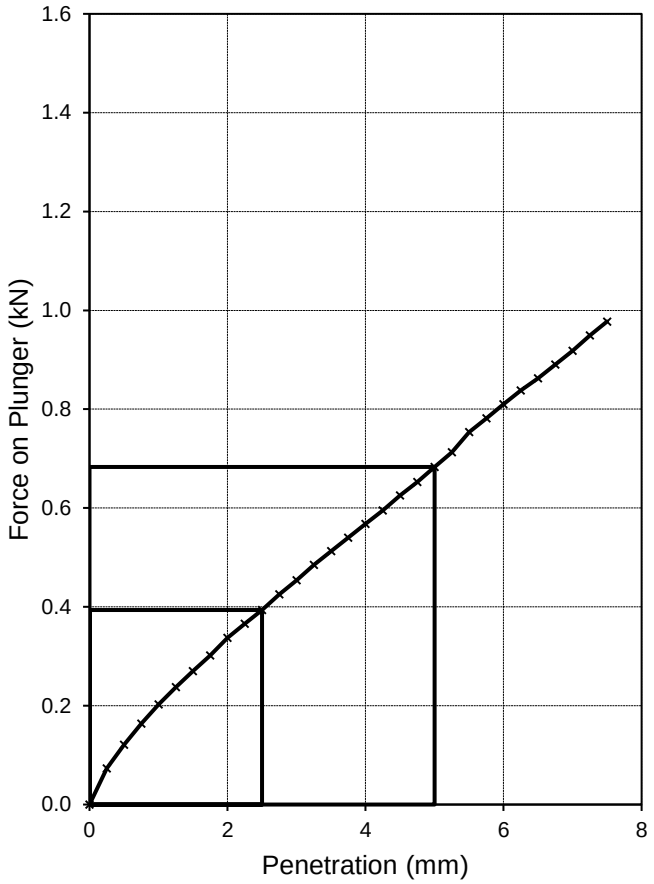
Dark brown sandy silty gravelly CLAY with rare roots.

PREPARATION DETAILS

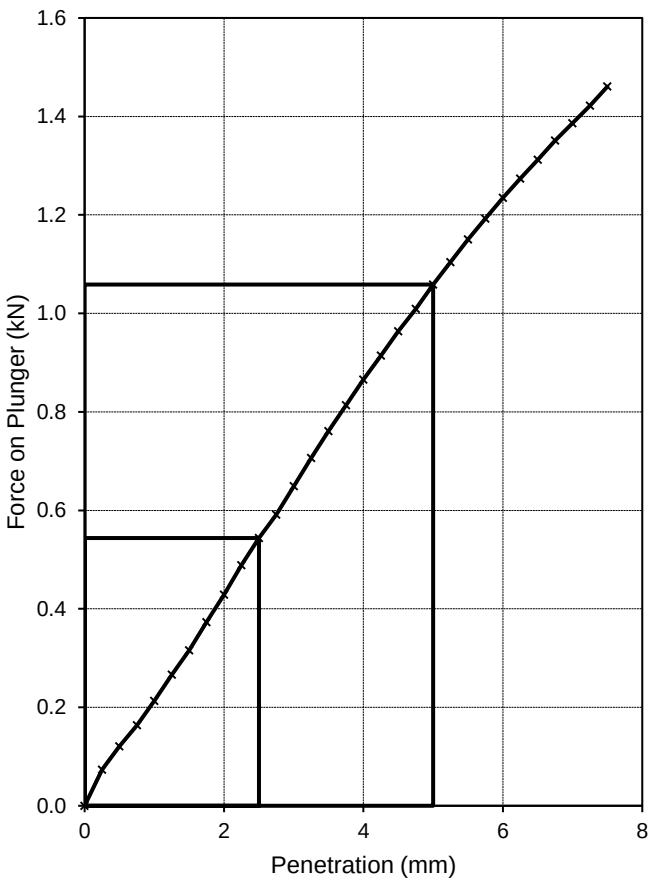
The specimen was soaked for 4 days, after which swelling equilibrium had been reached with 0.2 % vertical swell.
The specimen was prepared at the as received water content of 21%
The specimen was prepared by dynamic compaction using a 4.5 kg rammer
Soaked specimen bulk density 1.99 Mg/m³ (1.98 Mg/m³ 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

S Burke

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:

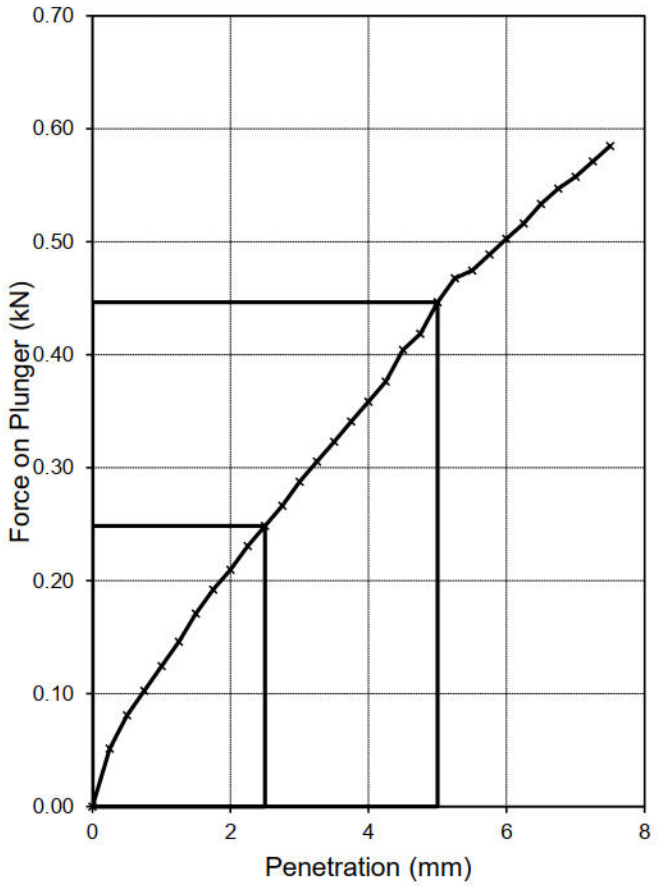
Dark brown sandy silty gravelly CLAY with rare roots.

PREPARATION DETAILS

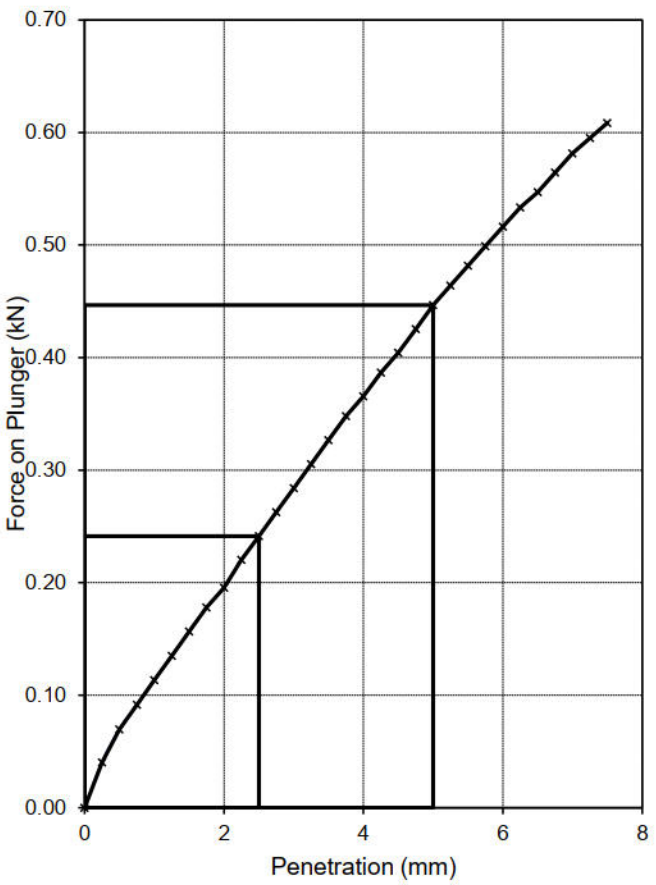
The specimen was soaked for 4 days, after which swelling equilibrium had been reached with 0.0 % vertical swell.
The specimen was prepared at the as received water content of 21%
The specimen was prepared by dynamic compaction using a 4.5 kg rammer
Soaked specimen bulk density 2.02 Mg/m³ (2.02 Mg/m³ 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



Base of Specimen



Tested by LH
Checked and Approved by

S Burke

S Burke - Senior Technician
21/10/2024

Project Number:

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Project Name:

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CALIFORNIA BEARING RATIO

Location	TP4
Sample Depth	0.50 m
Sample Type	B

Description:

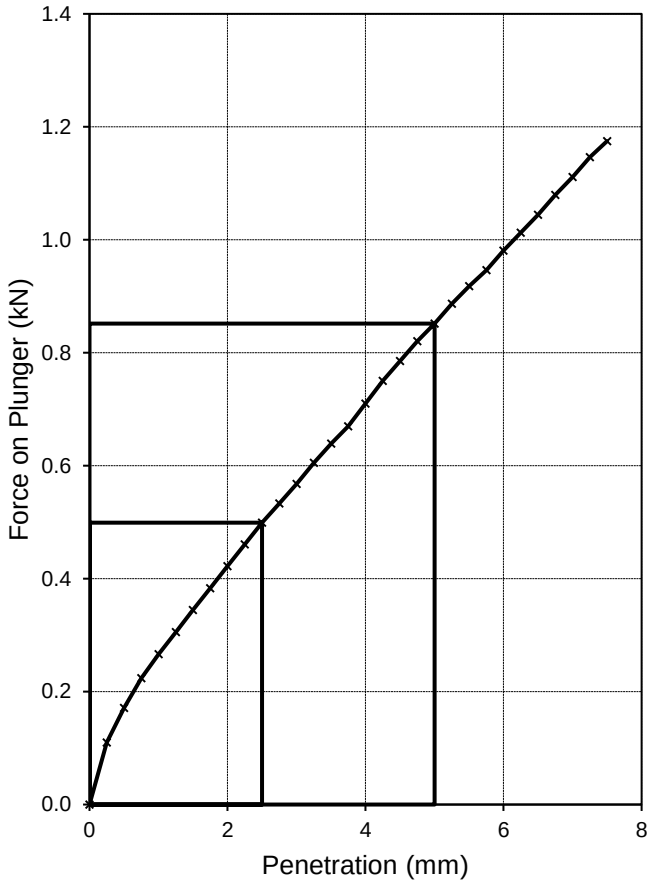
Dark brown sandy silty gravelly CLAY with rare roots.

PREPARATION DETAILS

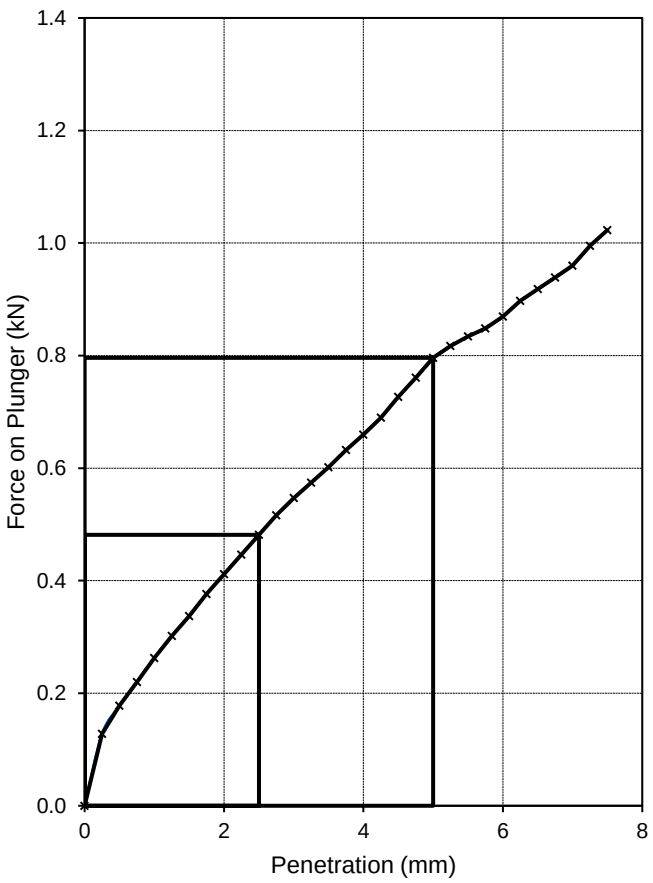
The specimen was soaked for 4 days, after which swelling equilibrium had been reached with 0.0 % vertical swell.
The specimen was prepared at the as received water content of 19%
The specimen was prepared by dynamic compaction using a 4.5 kg rammer
Soaked specimen bulk density 2.07 Mg/m³ (2.06 Mg/m³ 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



Base of Specimen



Tested by LH
Checked and Approved by

S Burke

S Burke - Senior Technician
21/10/2024

Project Number:

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Project Name:

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GI24.1109

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CALIFORNIA BEARING RATIO

Location	TP5
Sample Depth	0.50 m
Sample Type	D

Description:

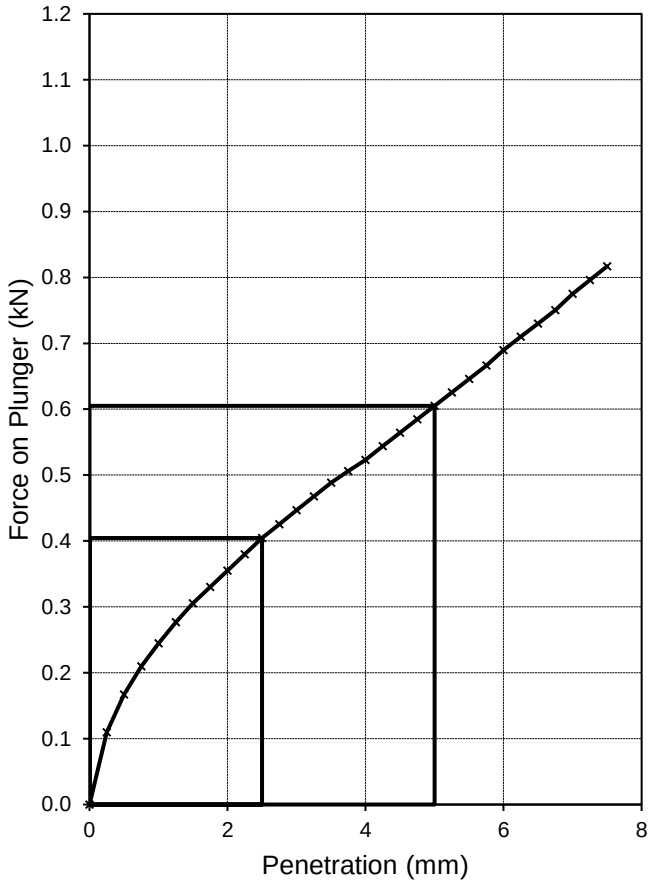
Dark brown sandy silty gravelly CLAY with rare roots.

PREPARATION DETAILS

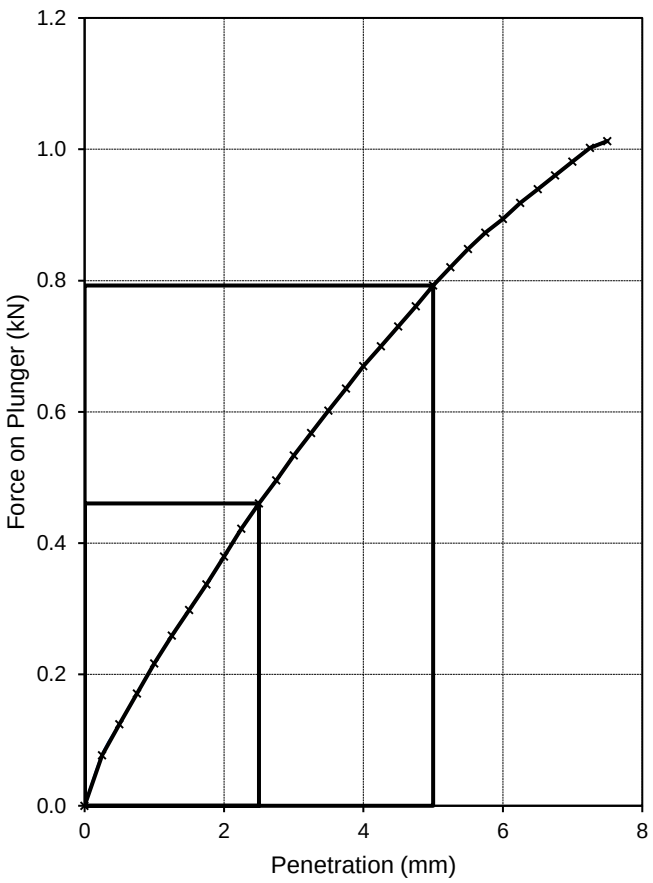
The specimen was soaked for 4 days, after which swelling equilibrium had been reached with 0.1 % vertical swell.
The specimen was prepared at the as received water content of 21%
The specimen was prepared by dynamic compaction using a 4.5 kg rammer
Soaked specimen bulk density 2.03 Mg/m³ (2.03 Mg/m³ 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



Base of Specimen



Tested by LH
Checked and Approved by

S Burke

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	TP7
Sample Depth	0.50 m
Sample Type	D

Description:

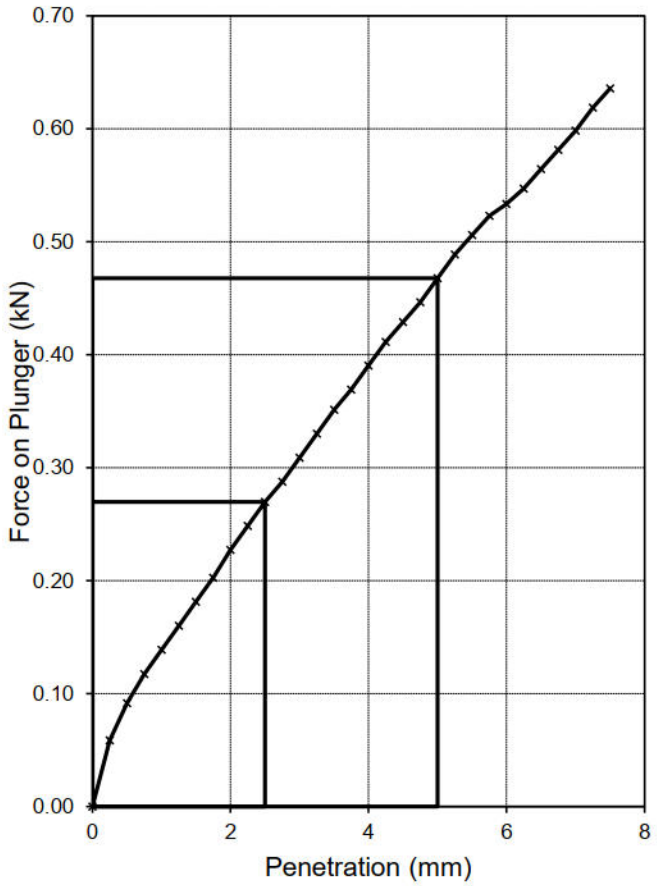
Dark brown sandy silty gravelly CLAY with rare roots.

PREPARATION DETAILS

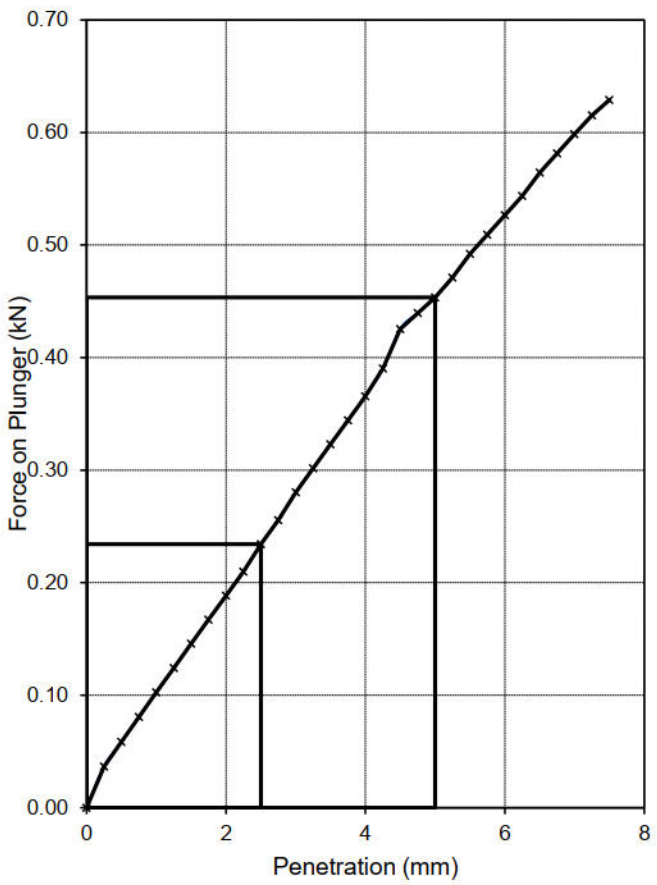
The specimen was soaked for 4 days, after which swelling equilibrium had been reached with 0.0 % vertical swell.
The specimen was prepared at the as received water content of 18%
The specimen was prepared by dynamic compaction using a 4.5 kg rammer
Soaked specimen bulk density 2.06 Mg/m³ (2.05 Mg/m³ 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

S Burke

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	TP8
Sample Depth	0.50 m
Sample Type	B

Description:

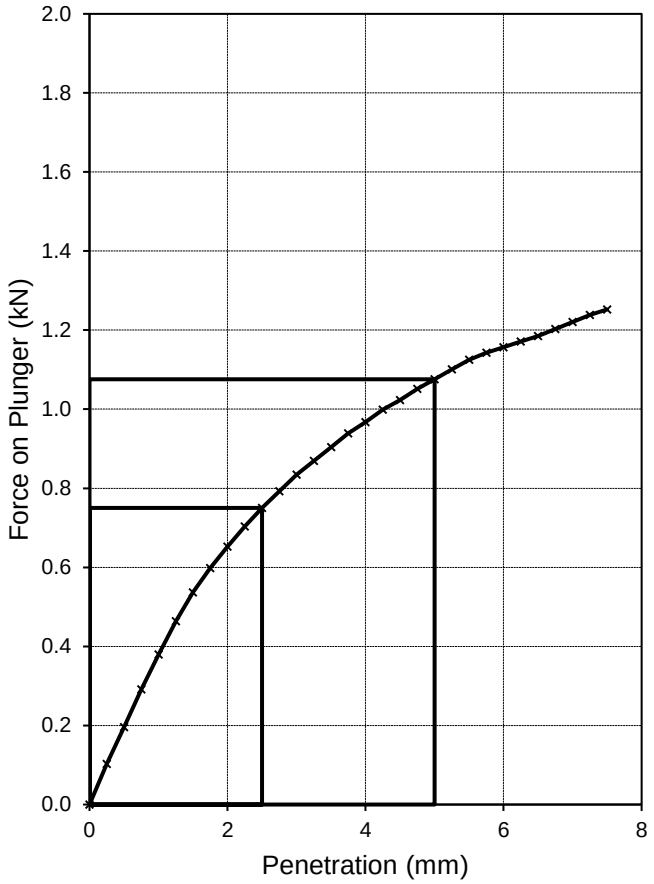
Dark brown sandy silty gravelly CLAY with rare roots.

PREPARATION DETAILS

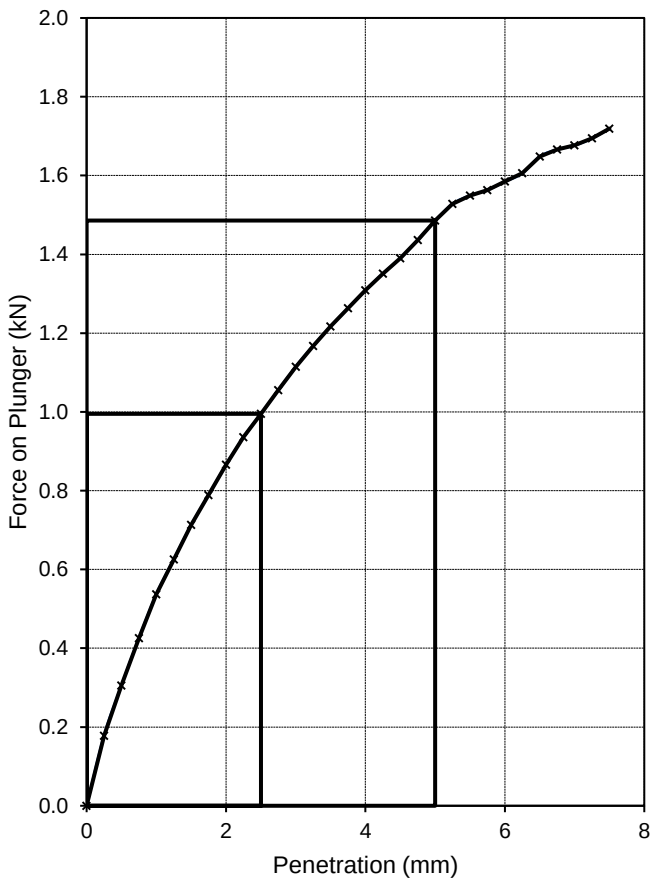
The specimen was soaked for 4 days, after which swelling equilibrium had been reached with 0.1 % vertical swell.
The specimen was prepared at the as received water content of 22%
The specimen was prepared by dynamic compaction using a 4.5 kg rammer
Soaked specimen bulk density 2.05 Mg/m³ (2.05 Mg/m³ 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



Base of Specimen



Tested by LH
Checked and Approved by

S Burke

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	TP9
Sample Depth	0.50 m
Sample Type	D

Description:

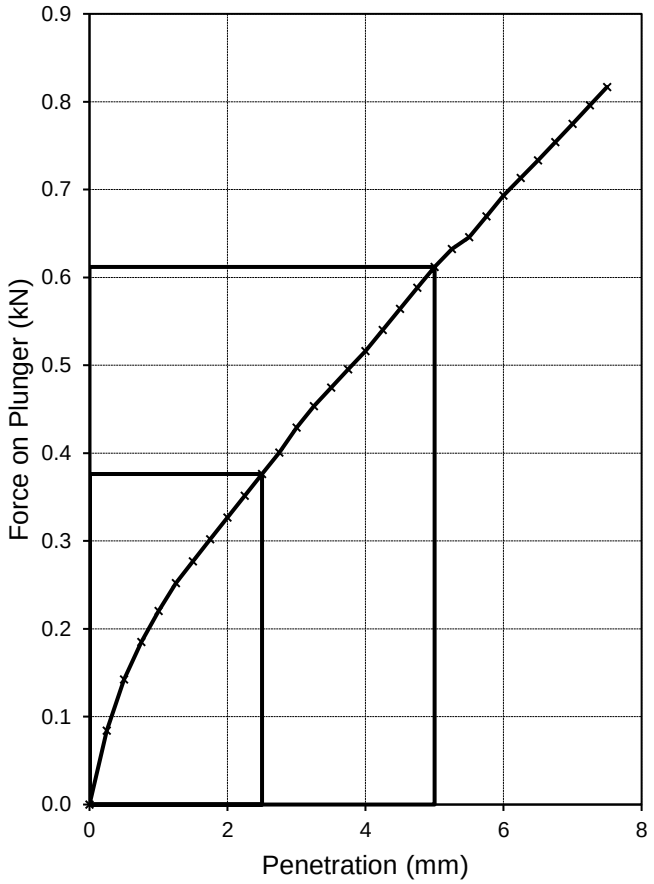
Brown sandy silty gravelly CLAY with rare roots

PREPARATION DETAILS

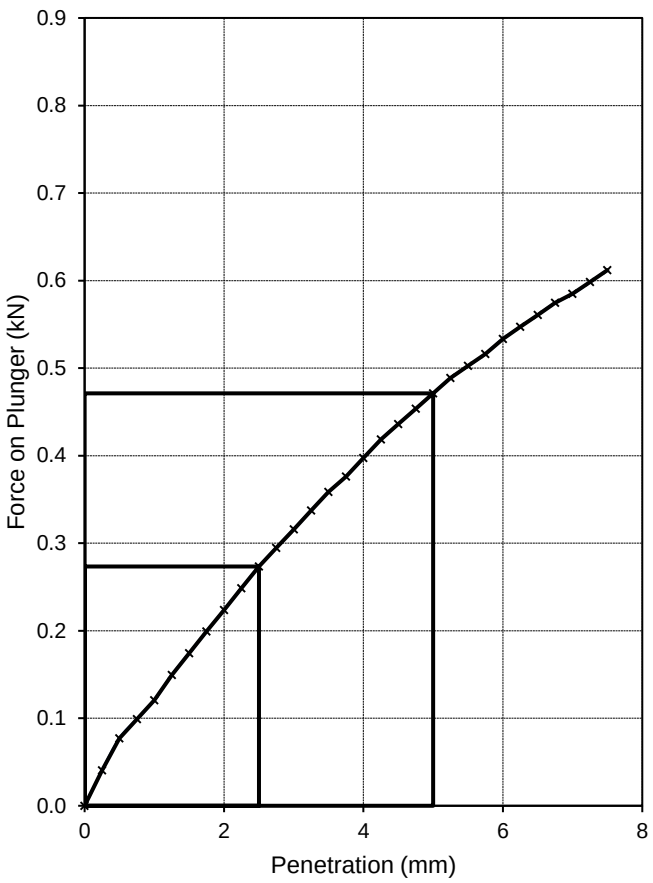
The specimen was soaked for 4 days, after which swelling equilibrium had been reached with 0.1 % vertical swell.
The specimen was prepared at the as received water content of 19%
The specimen was prepared by dynamic compaction using a 4.5 kg rammer
Soaked specimen bulk density 2.05 Mg/m³ (2.05 Mg/m³ 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



Base of Specimen



Tested by LH
Checked and Approved by

S Burke

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.

Copyright

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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

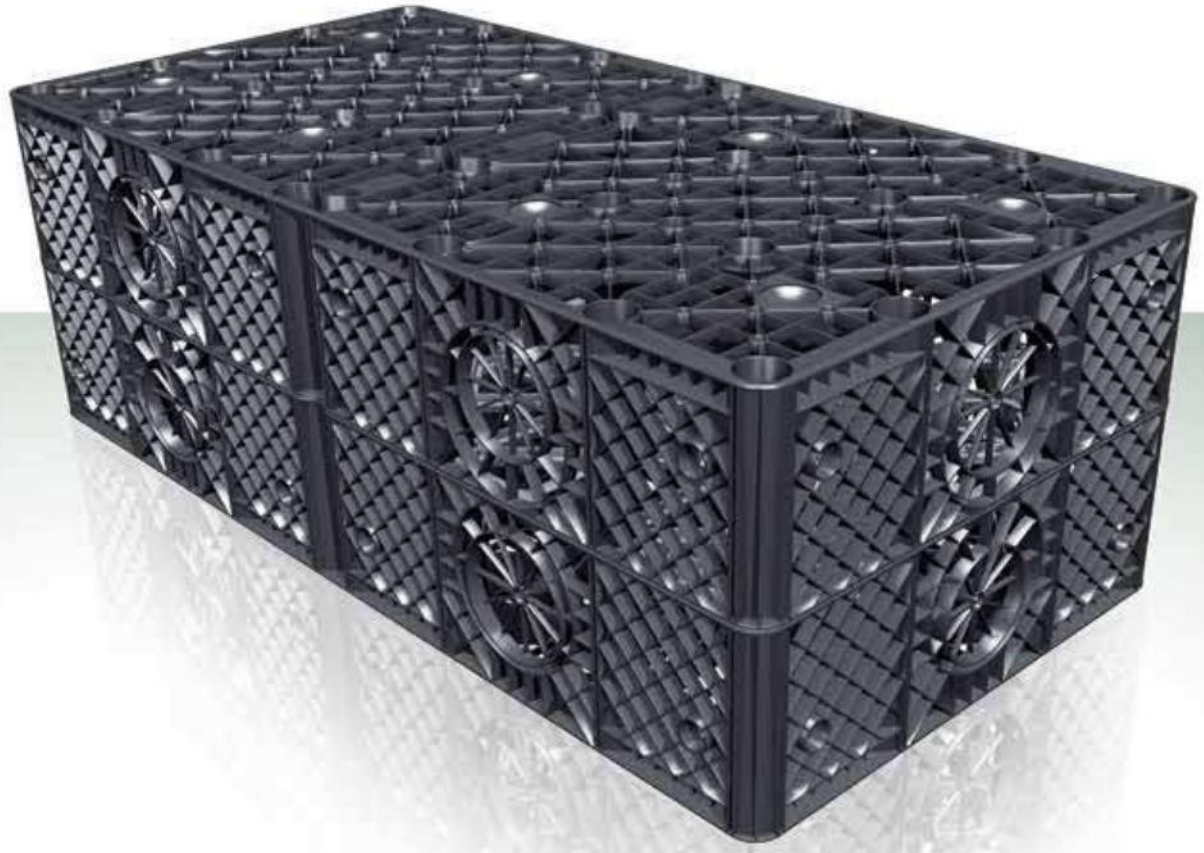
STORMCRATE TECHNICAL DETAILS

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

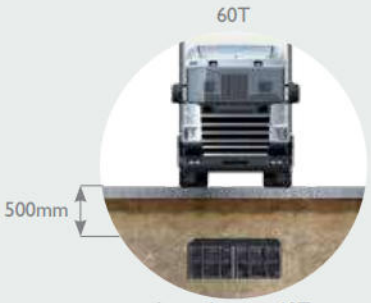
- The lorry bearing design ensures extreme load capacity thanks to StormCrates stable column structure.
  - StormCrate facilitates SLW 60-bearability with a 500mm (19.7") covering, which represents a vehicle of up to 60t.
  - The lorry bearing design can bear a long-term load of approximately 3.5t per 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.





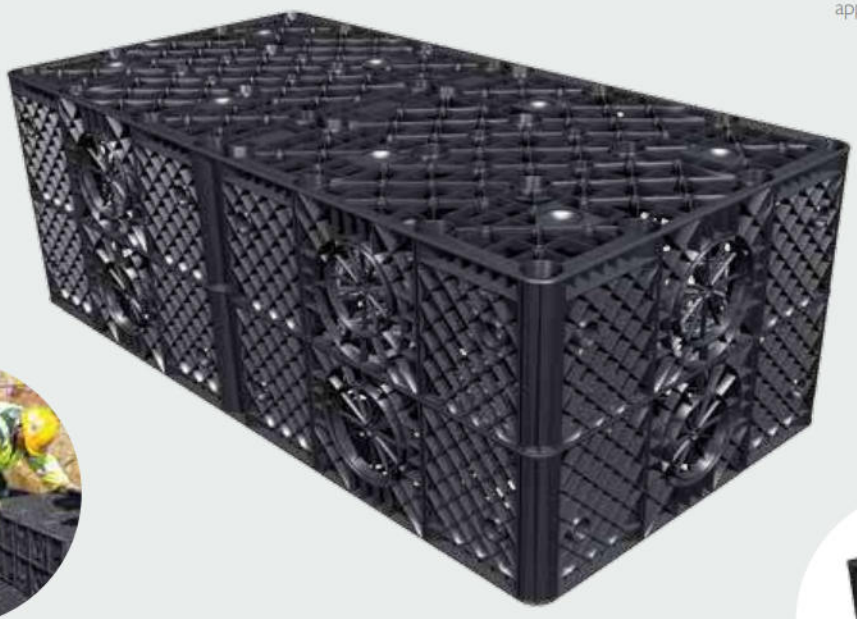
MODULAR DESIGN

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

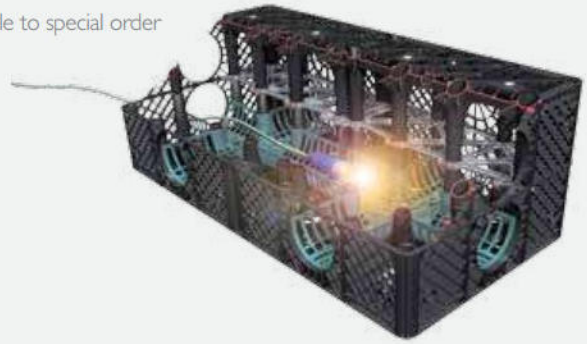
STORMCRATES

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



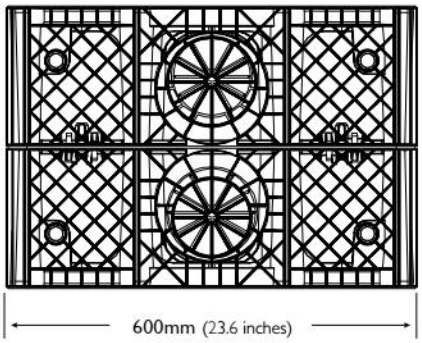
SPARE CONNECTOR

Code BRRBJI
(4 included with each crate)

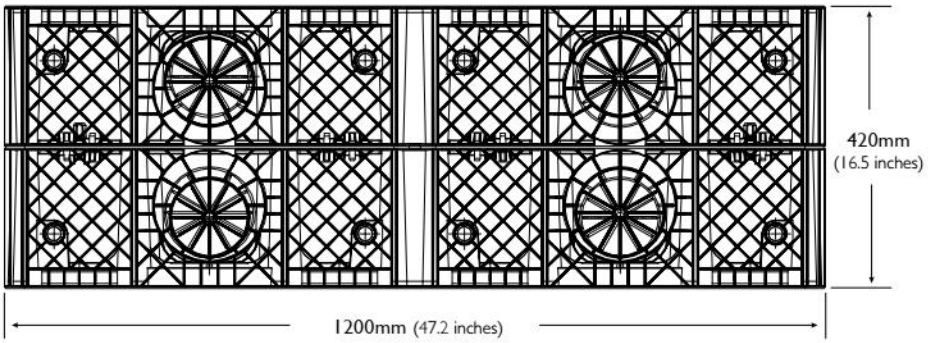


StormCrate Product Illustration

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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Mallusk, Co. Antrim
Northern Ireland, BT36 4RB
Tel: 028 9084 9999
Fax: 028 9083 6666
Sales Counter: 028 9084 8999
Email: sales@brettmartin.com

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Speedwell Ind. Estate
Staveley, Derbyshire
England S43 3JP
Tel: 01246 280000
Fax: 01246 280001
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100 Camford Way
Sundon Park
Luton, Bedfordshire
England, LU3 3AN
Tel: 01246 280000
Fax: 01246 280001
Email: building@brettmartin.com

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Cumbernauld, Glasgow
Scotland, G67 2TF
Tel: 01236 725536
Fax: 01236 725871
Email: scotland@brettmartin.com

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

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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 soakaway 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

Aquatreat interceptor

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

Aquatreat 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.

Infiltration testing has been complete as shown in Appendix H. Two locations were testing under the proposed soakaways and at a similar depth. The testing recorded:

- SA1 was between 1.30x10-4 and 7.29x10-4 m/s
- SA2 was between 1.70x10-5 and 2.41x10-5 m/s

It is proposed to utilise the worst recorded rate of 1.7x x10-5 m/s across the Exhibition Centre.

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



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



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



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



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



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 (m^3)	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



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 (m³)	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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	GB		
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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

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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:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
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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	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

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		

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

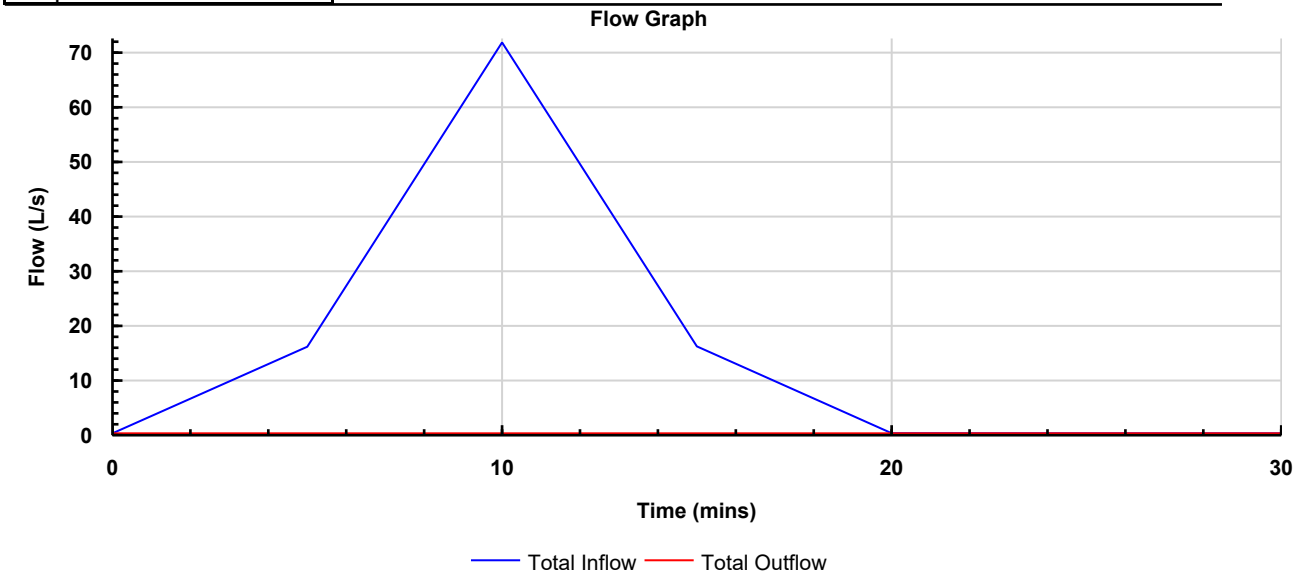
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Phase Management Storm Phase: Phase	AFA Consulting Engineers Ltd		

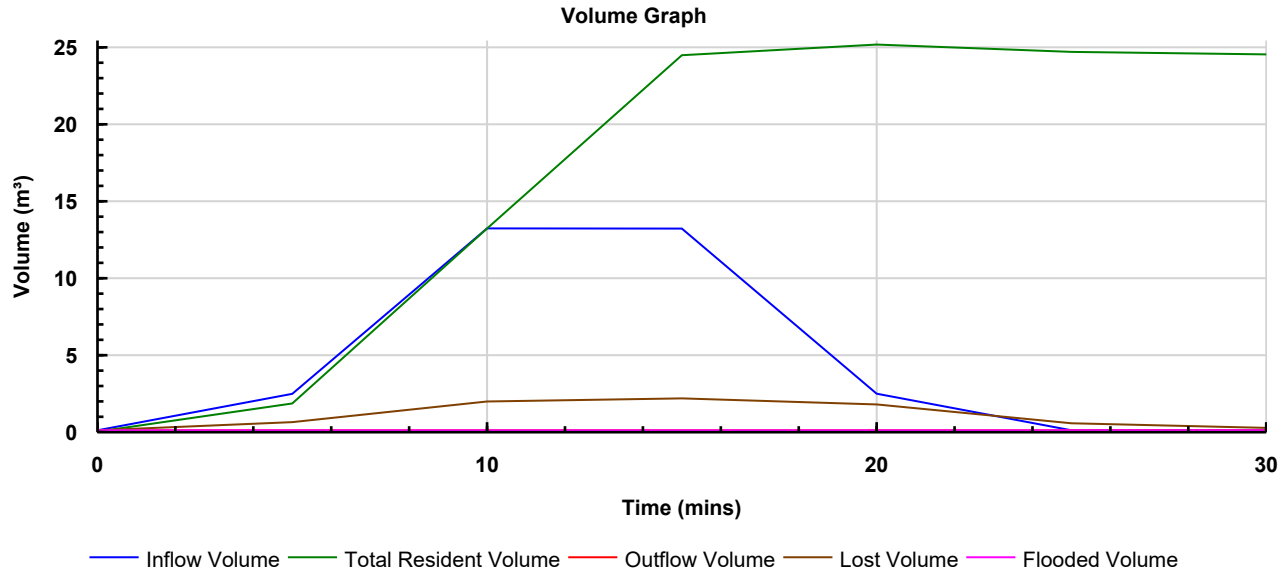
Phase
FSR: 2 years: Increase Rainfall (%): +0: 15 mins: Summer

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		

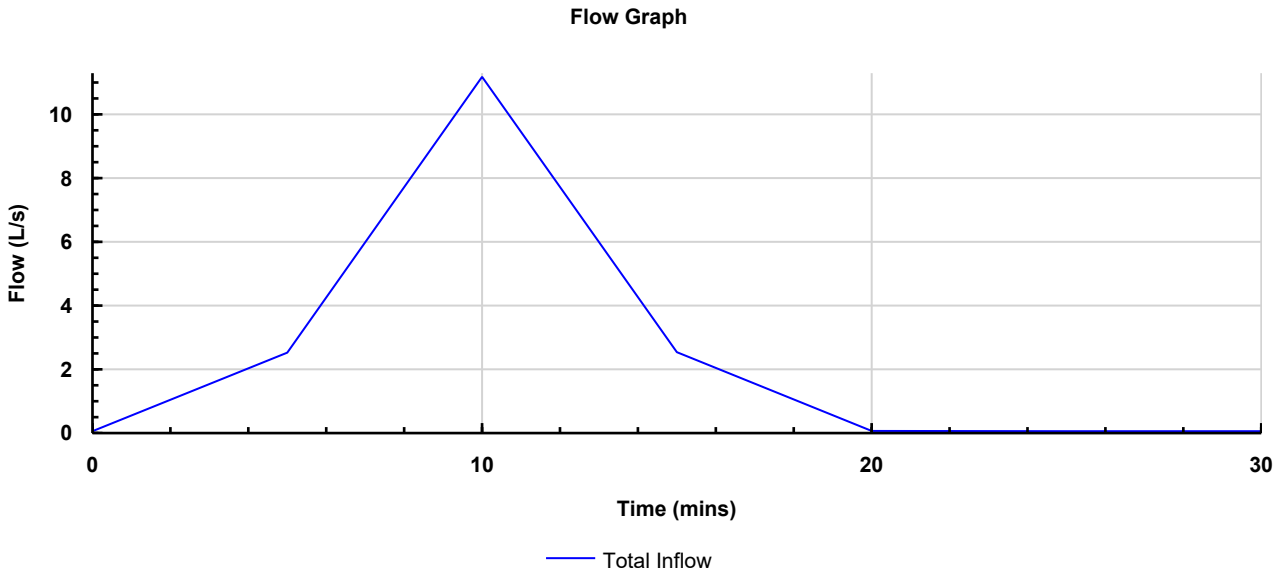
Catchment Area
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

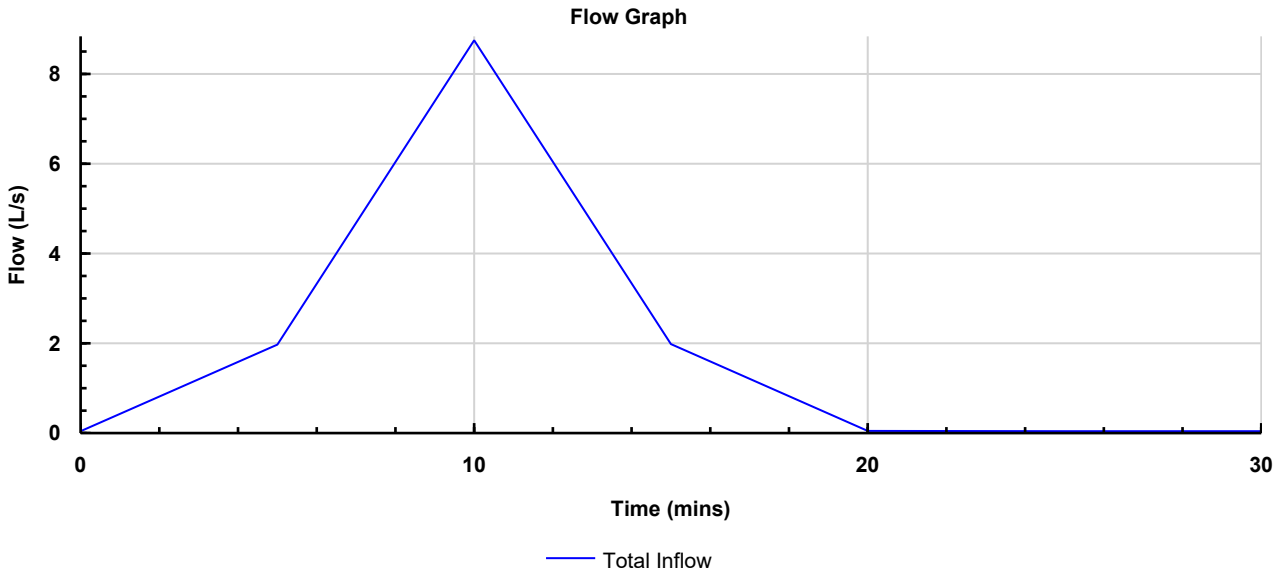
Catchment Area (1)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

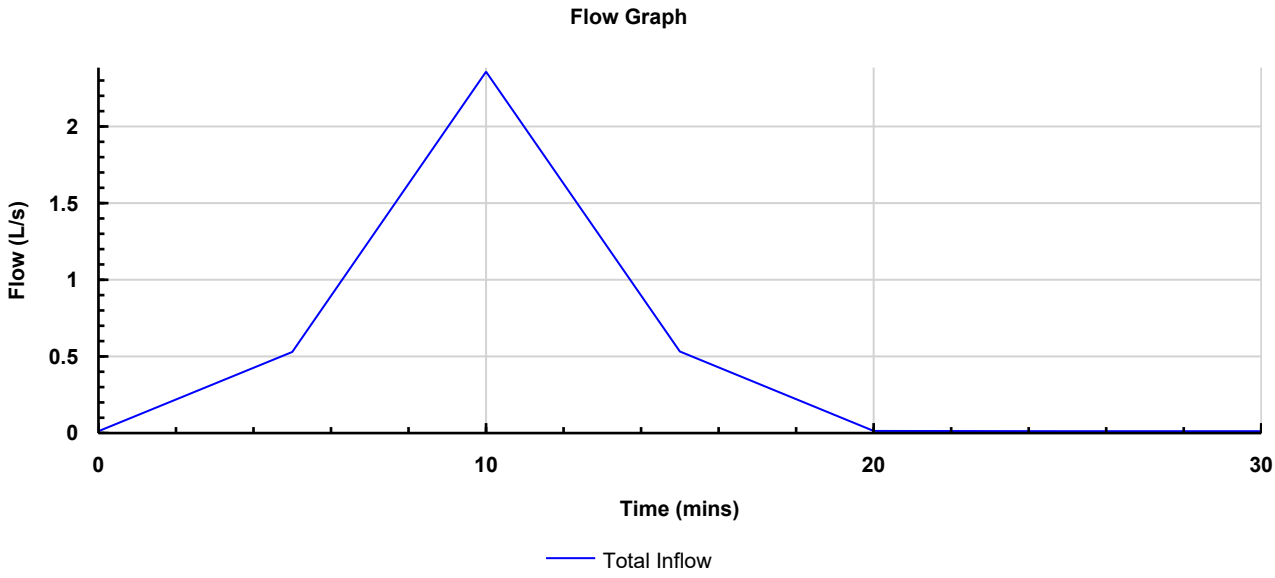
Catchment Area (2)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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

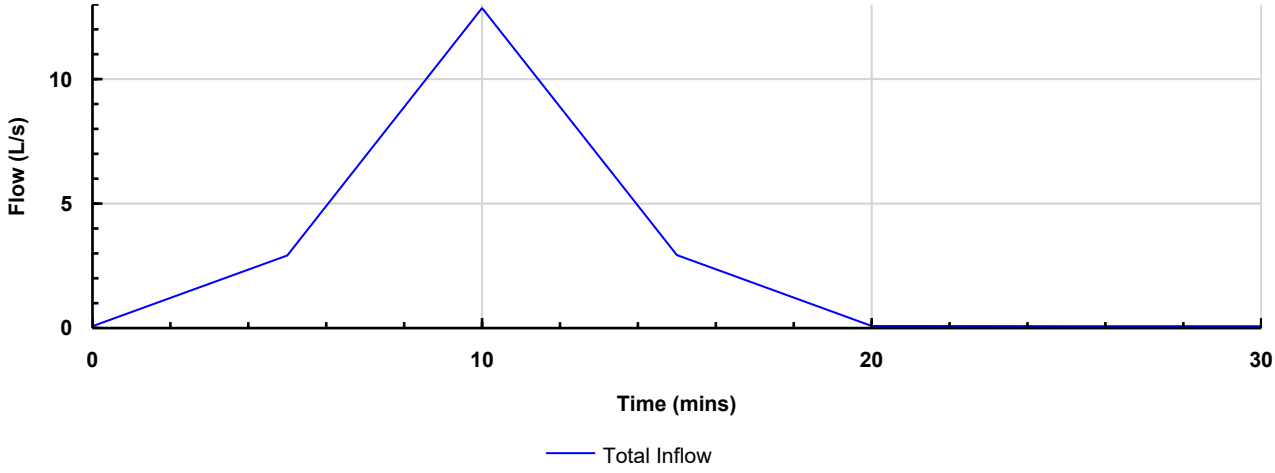
Type : Catchment Area

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		

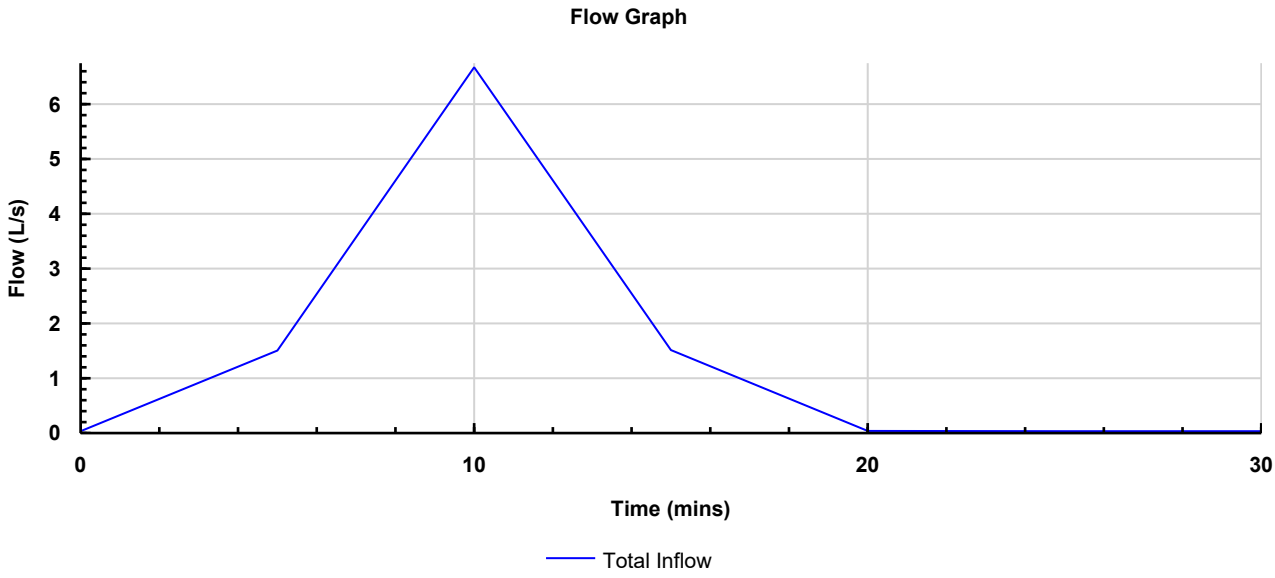
Catchment Area (4)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

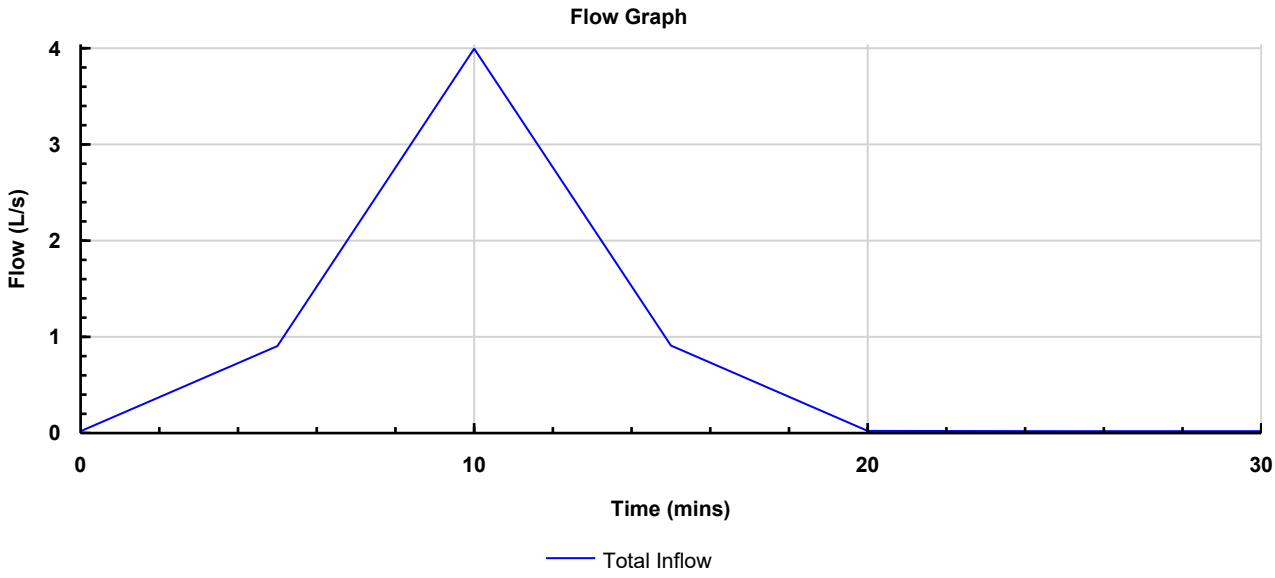
Catchment Area (5)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

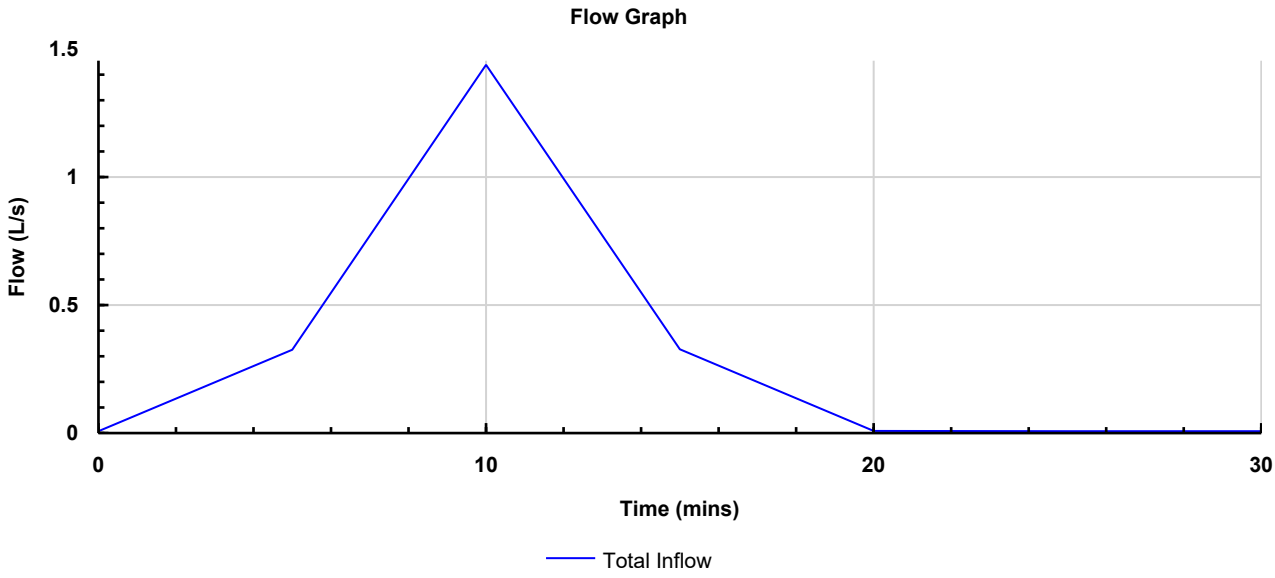
Catchment Area (6)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

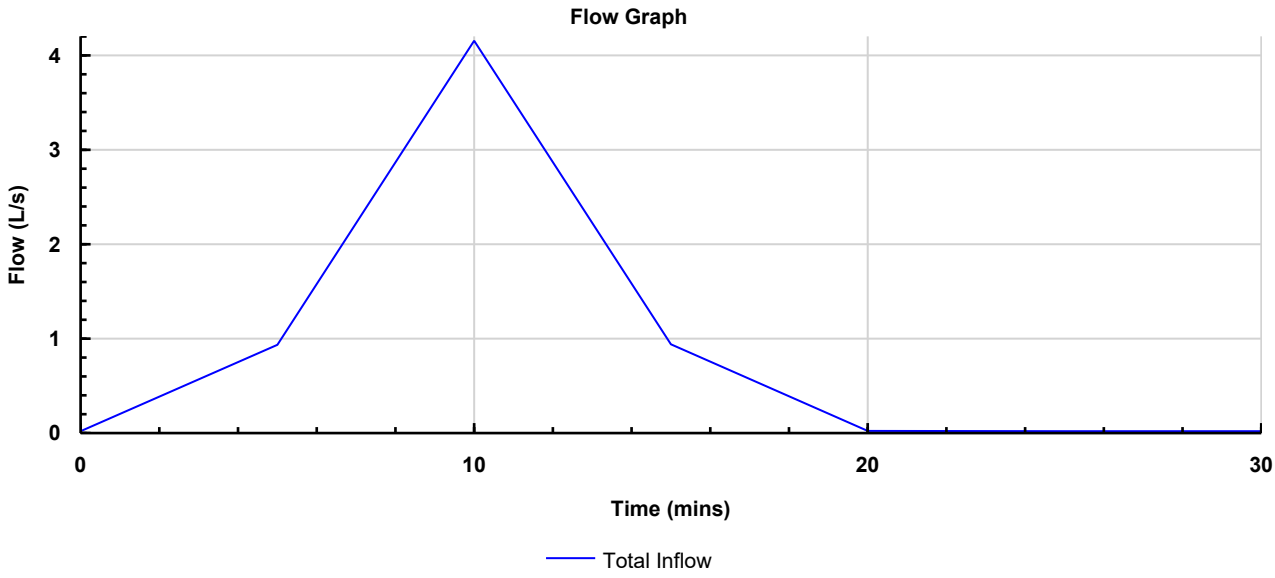
Catchment Area (7)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

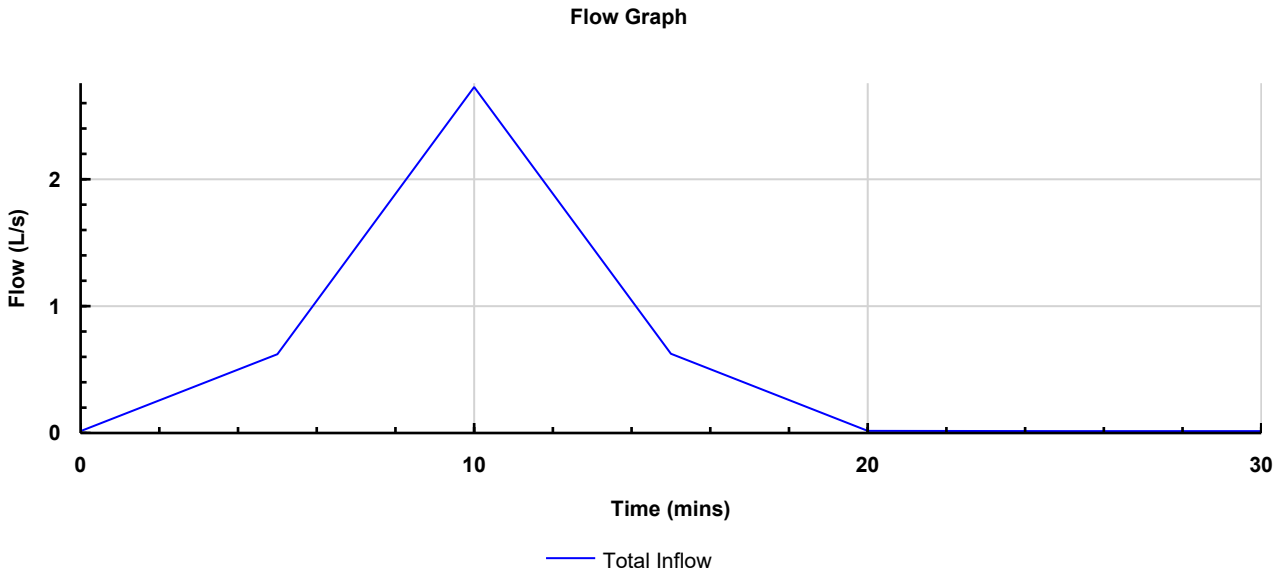
Catchment Area (8)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

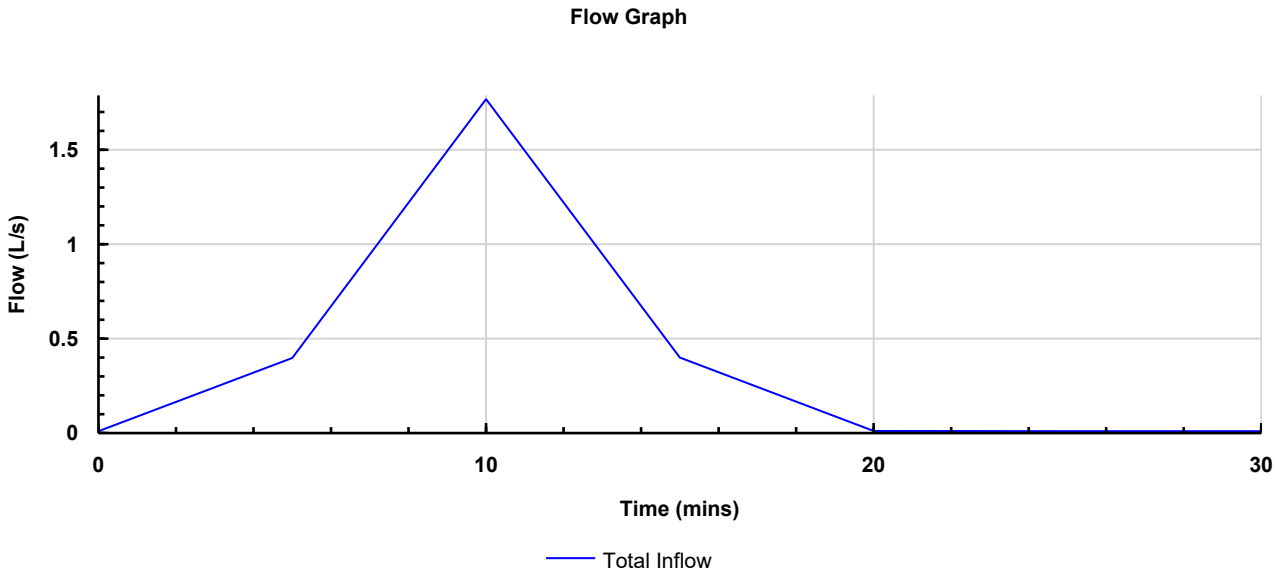
Catchment Area (9)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

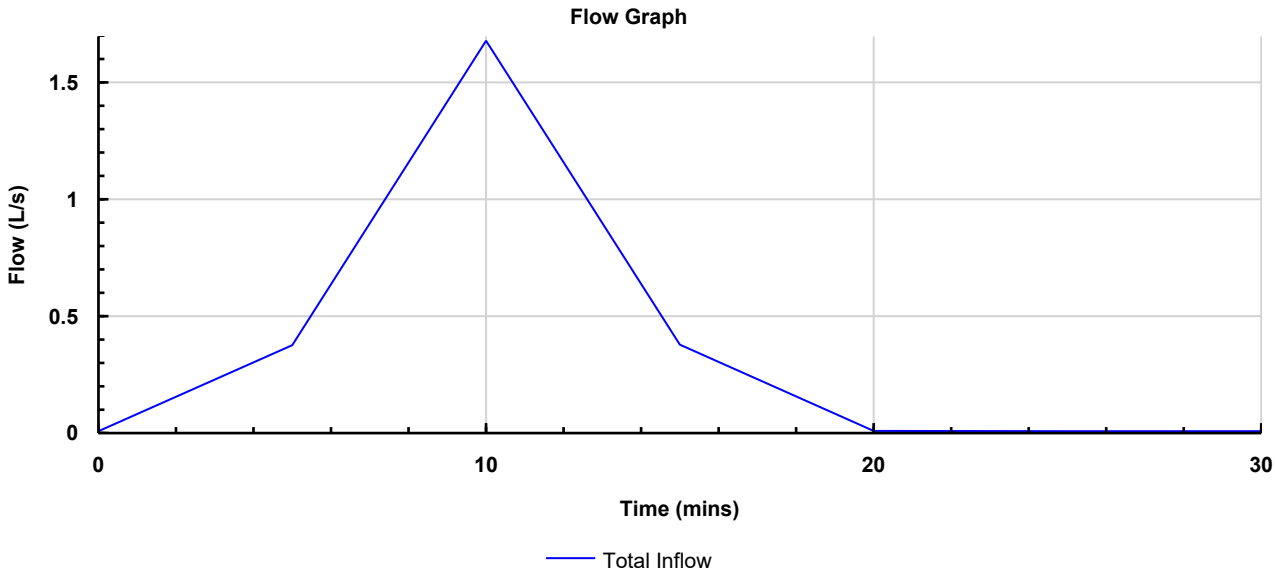
Catchment Area (10)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

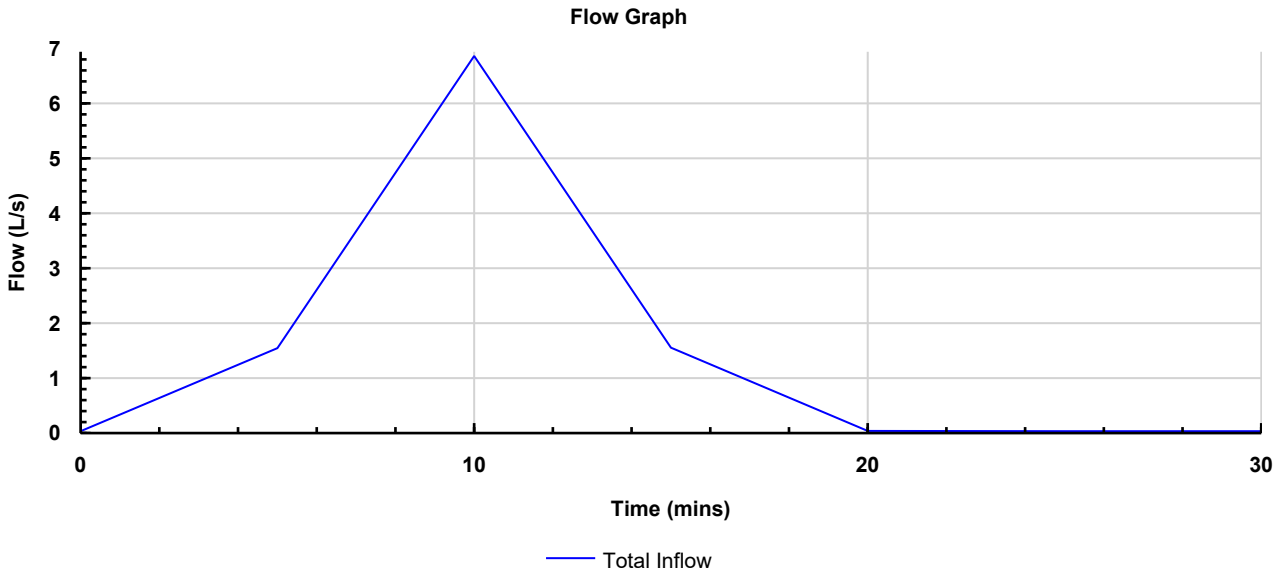
Catchment Area (11)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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

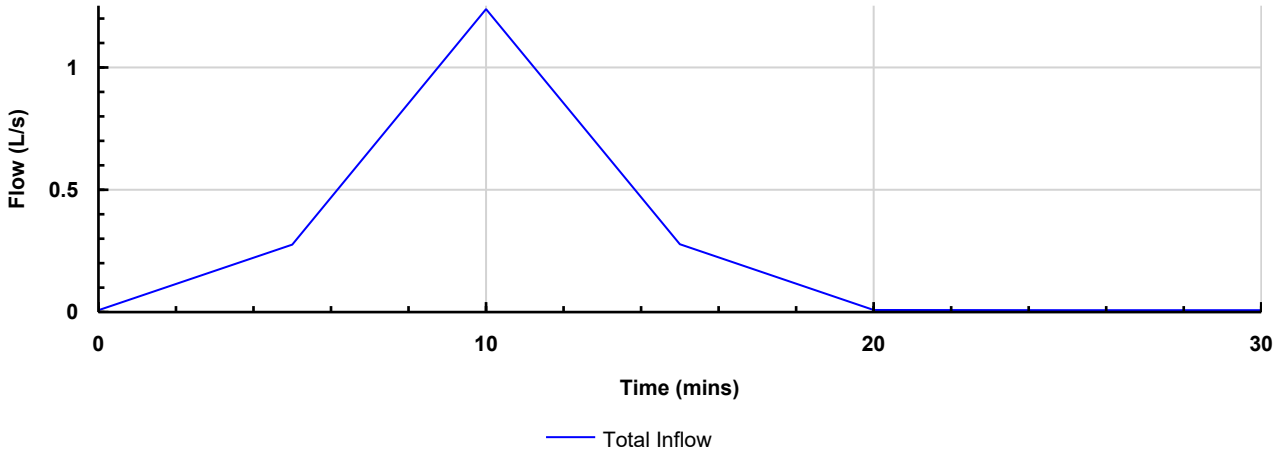
Type : Catchment Area

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		

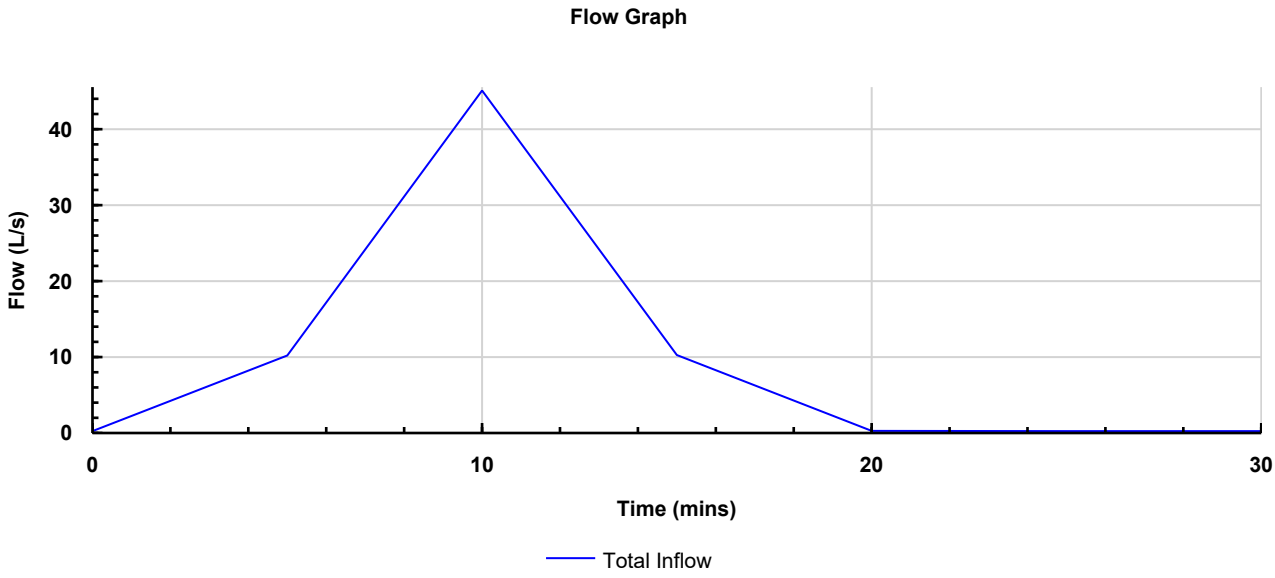
Catchment Area (19)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

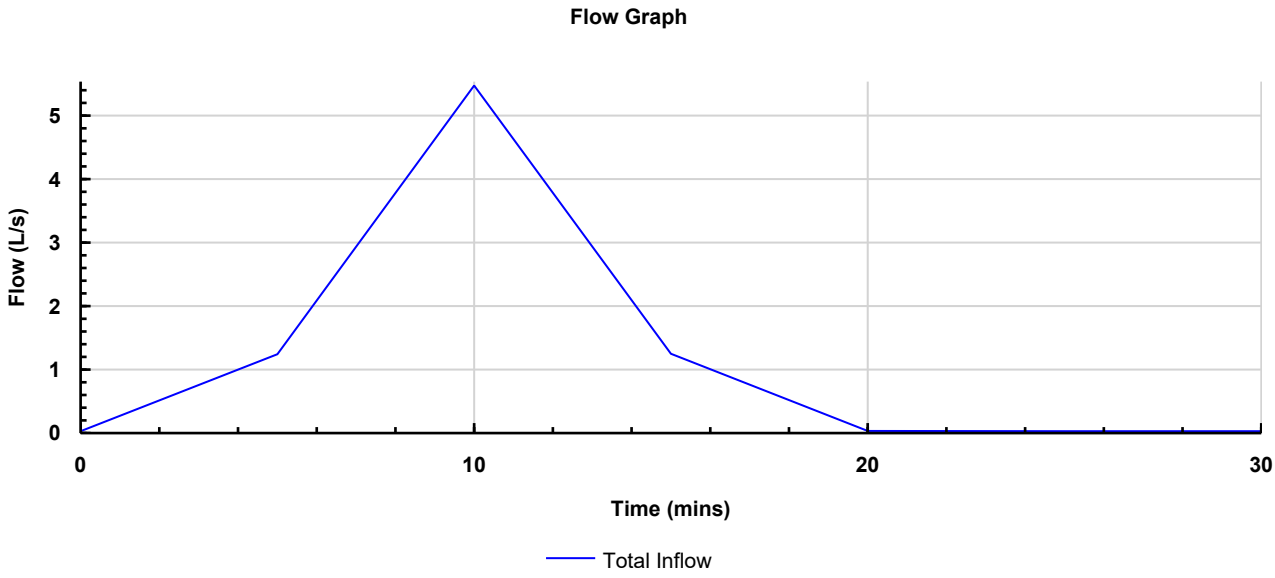
Catchment Area (20)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

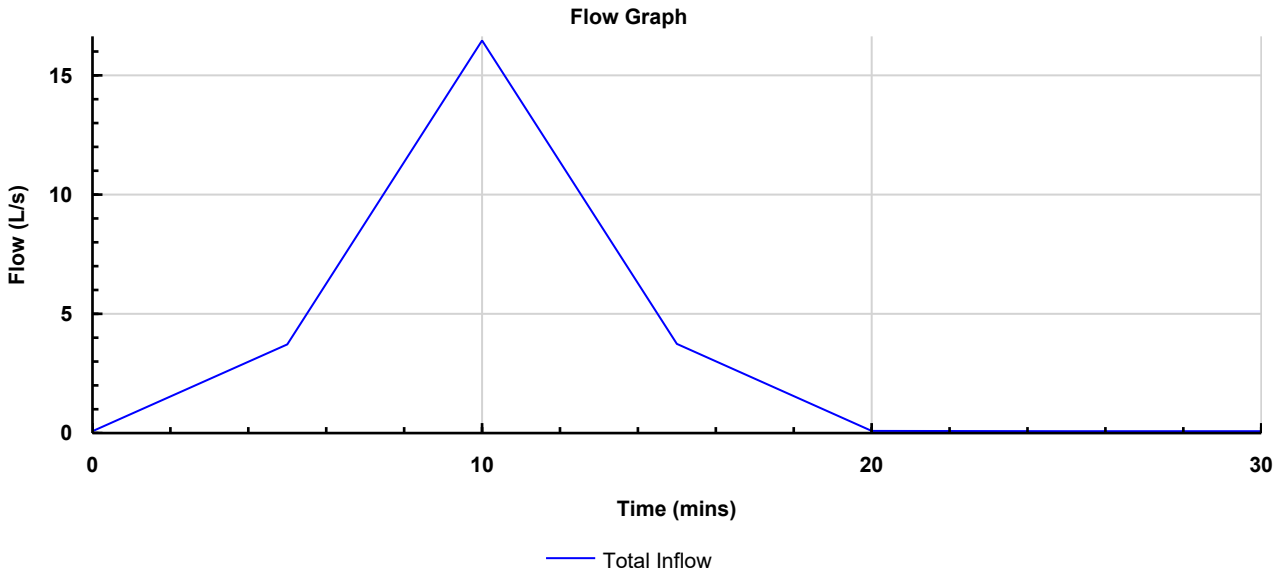
Catchment Area (21)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

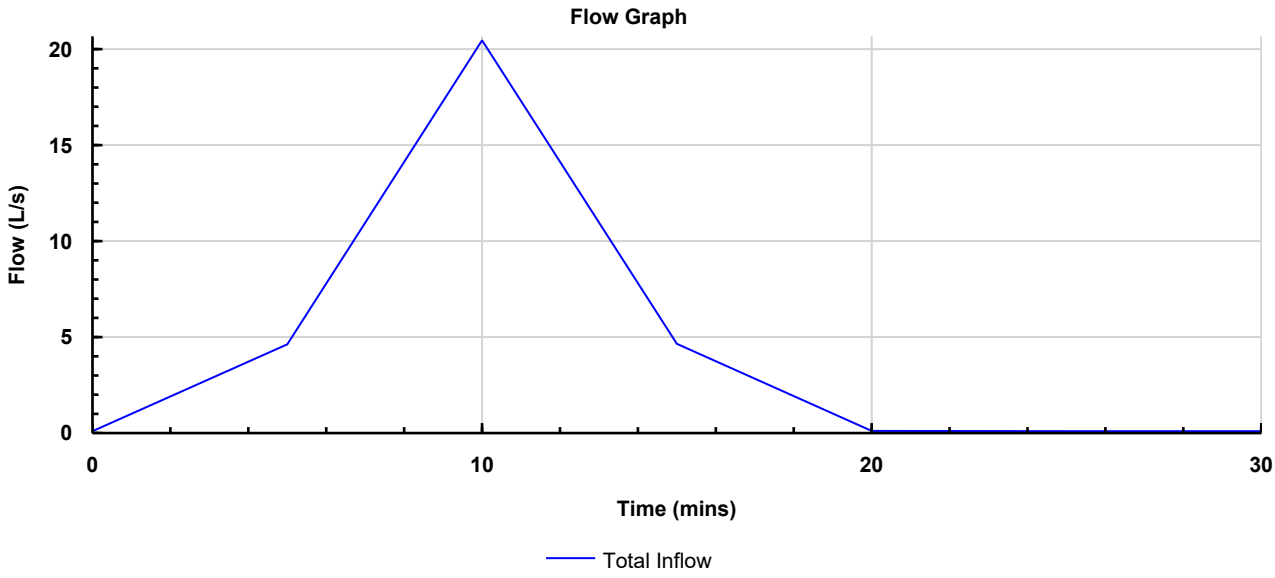
Catchment Area (18)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

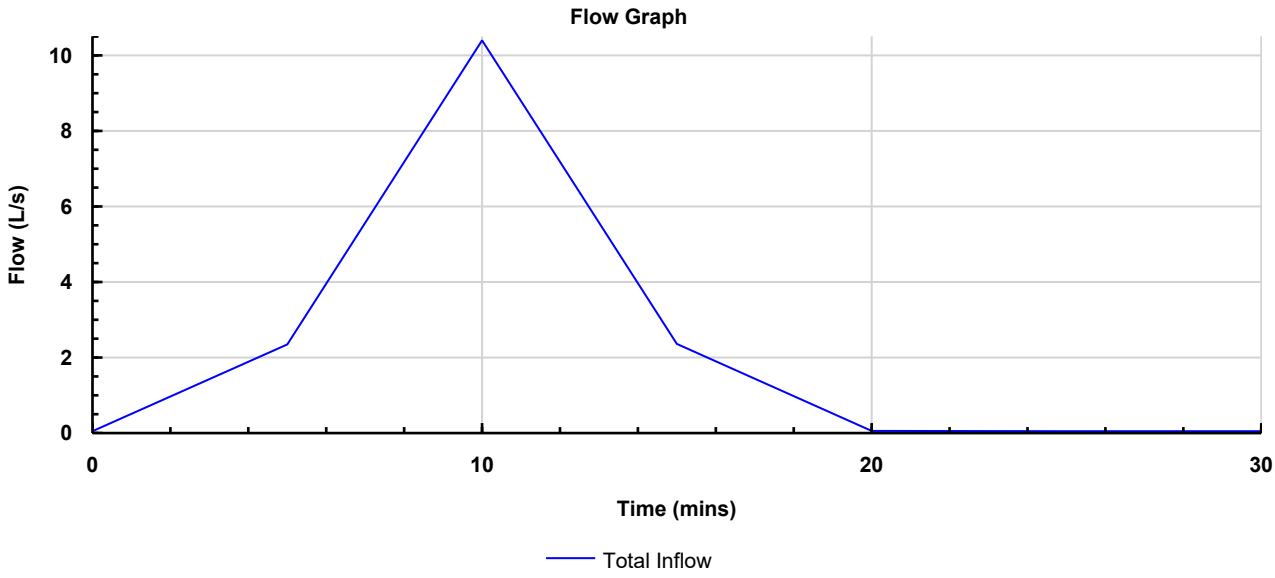
Catchment Area (22)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

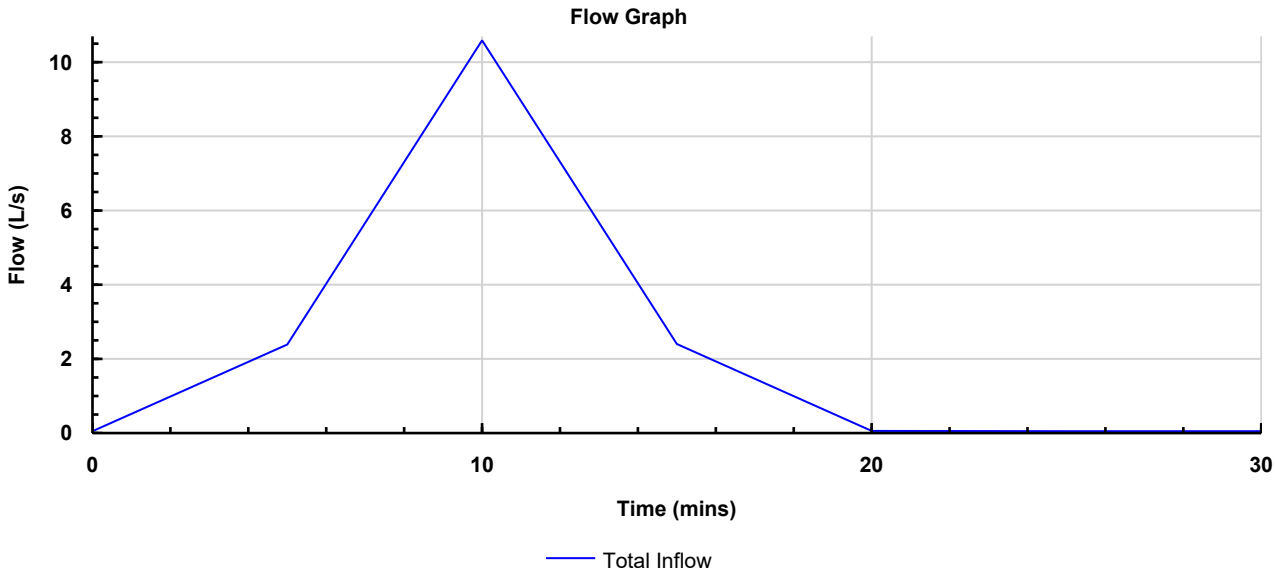
Catchment Area (23)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

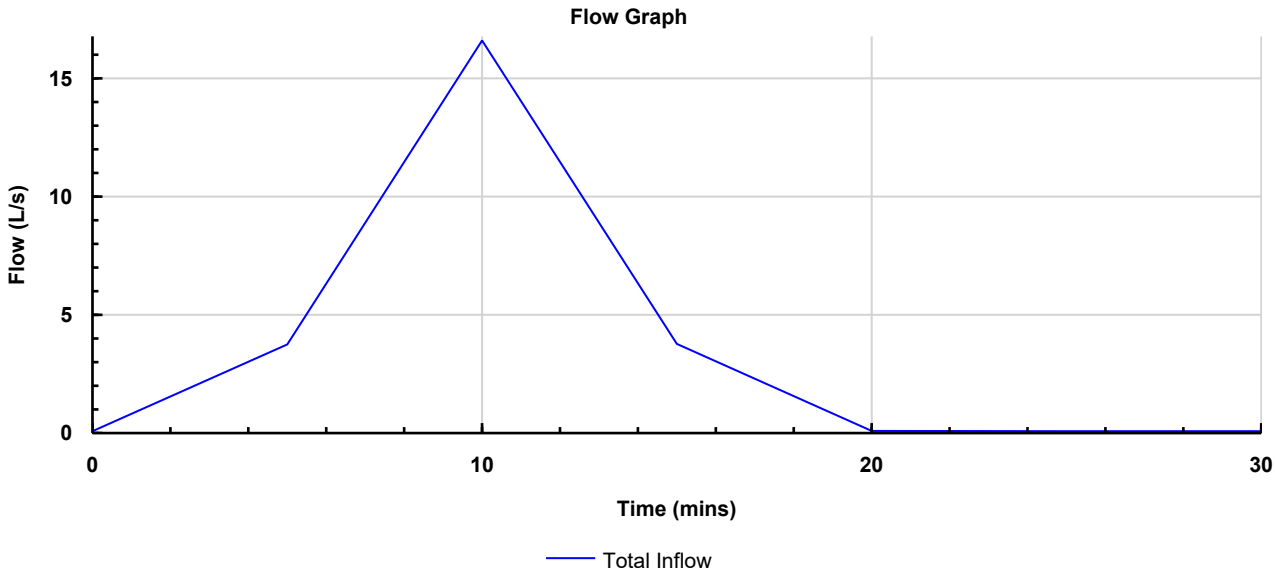
Catchment Area (24)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

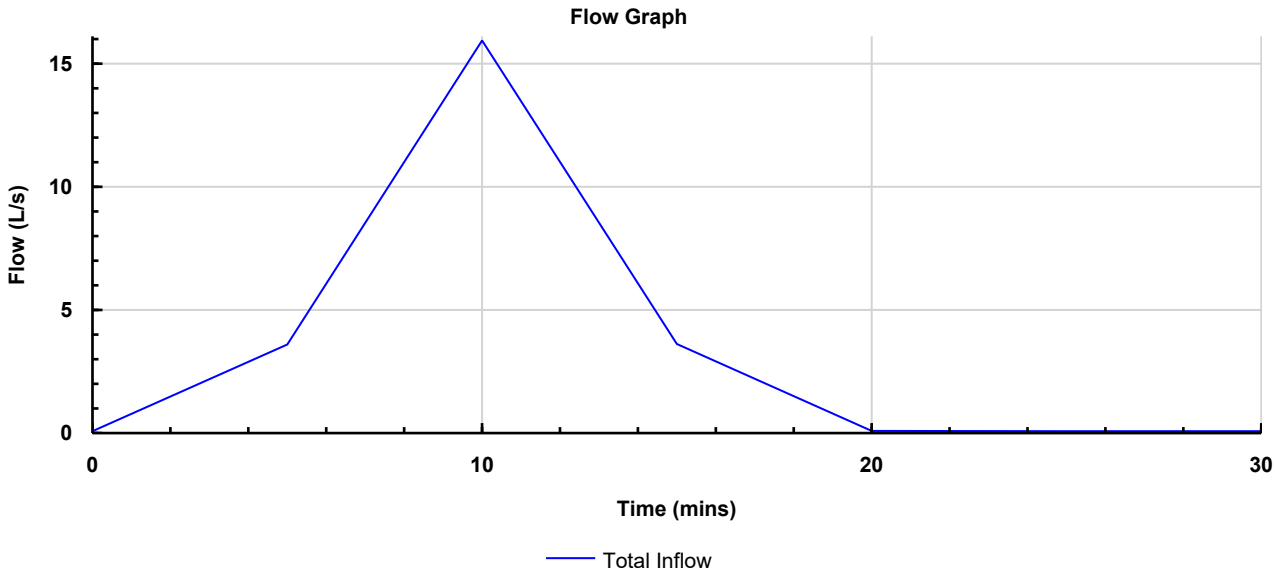
Catchment Area (13)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

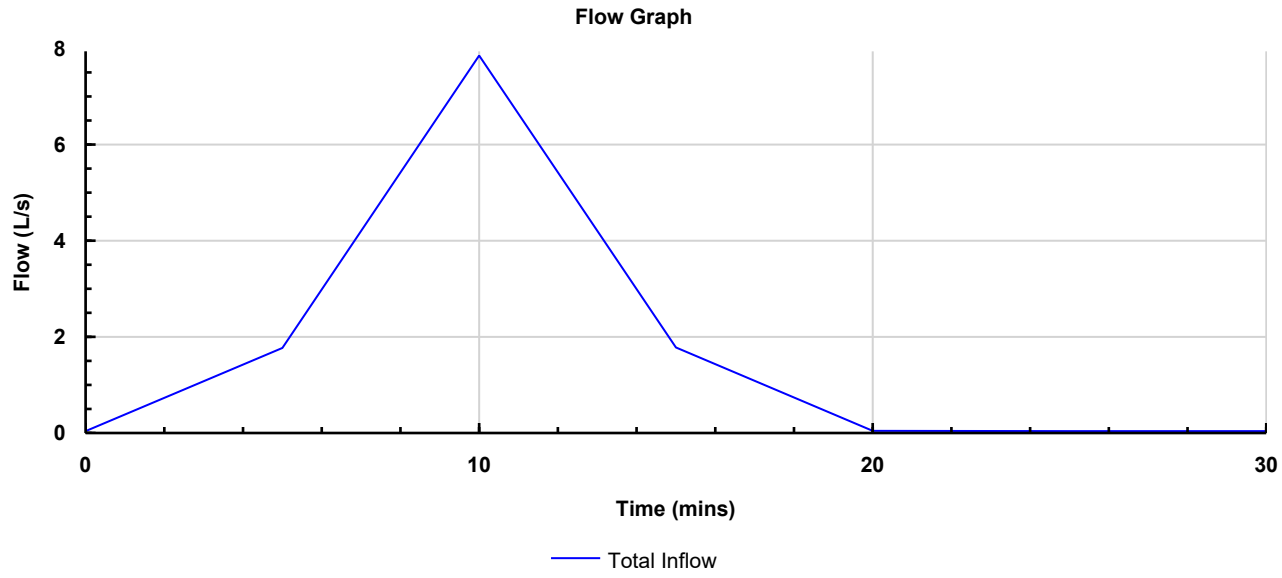
Catchment Area (14)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

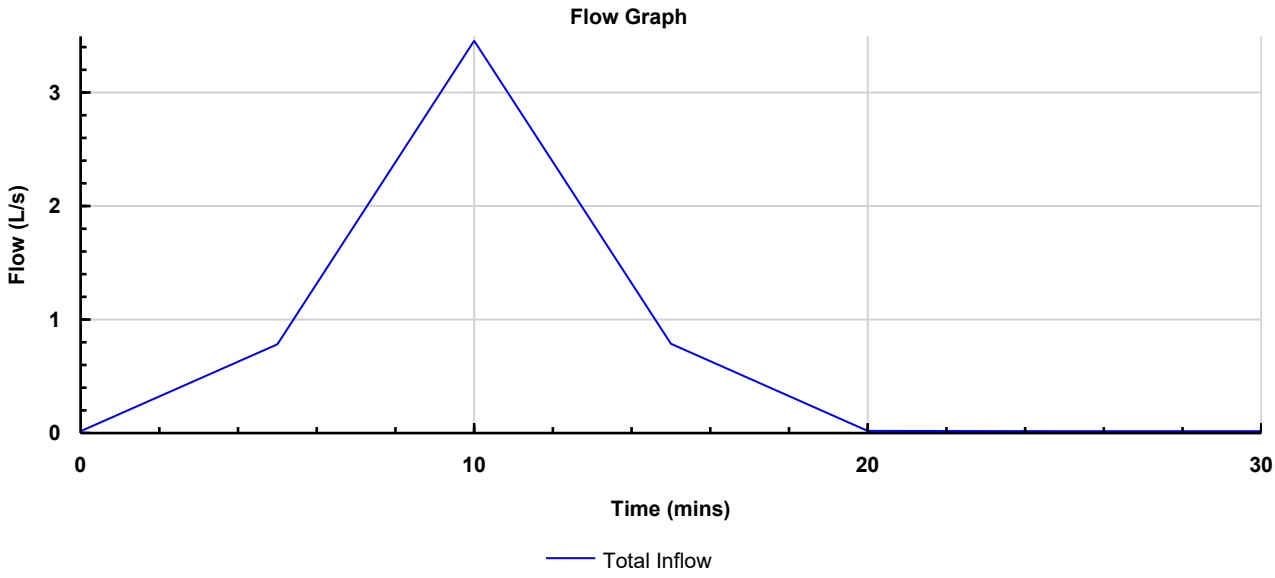
Catchment Area (15)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

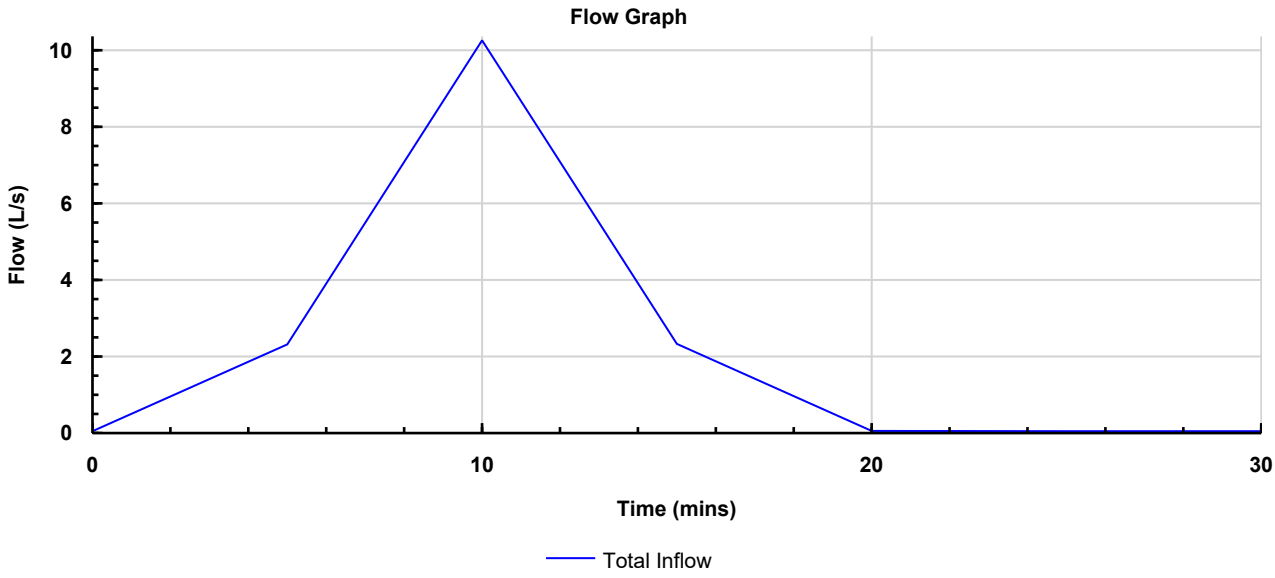
Catchment Area (16)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

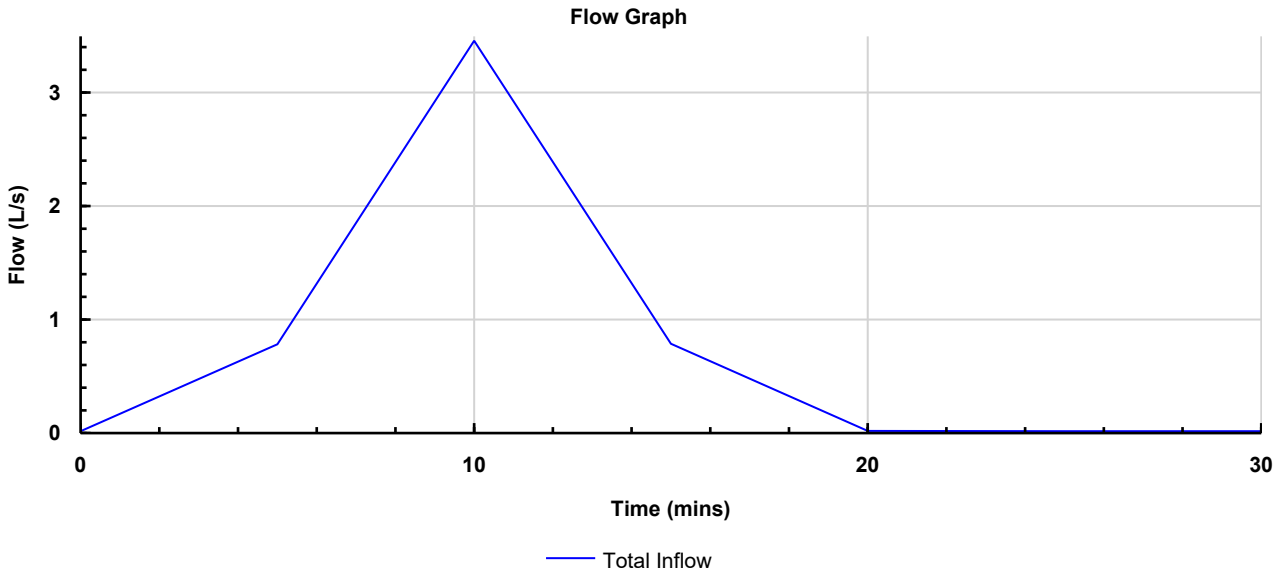
Catchment Area (17)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

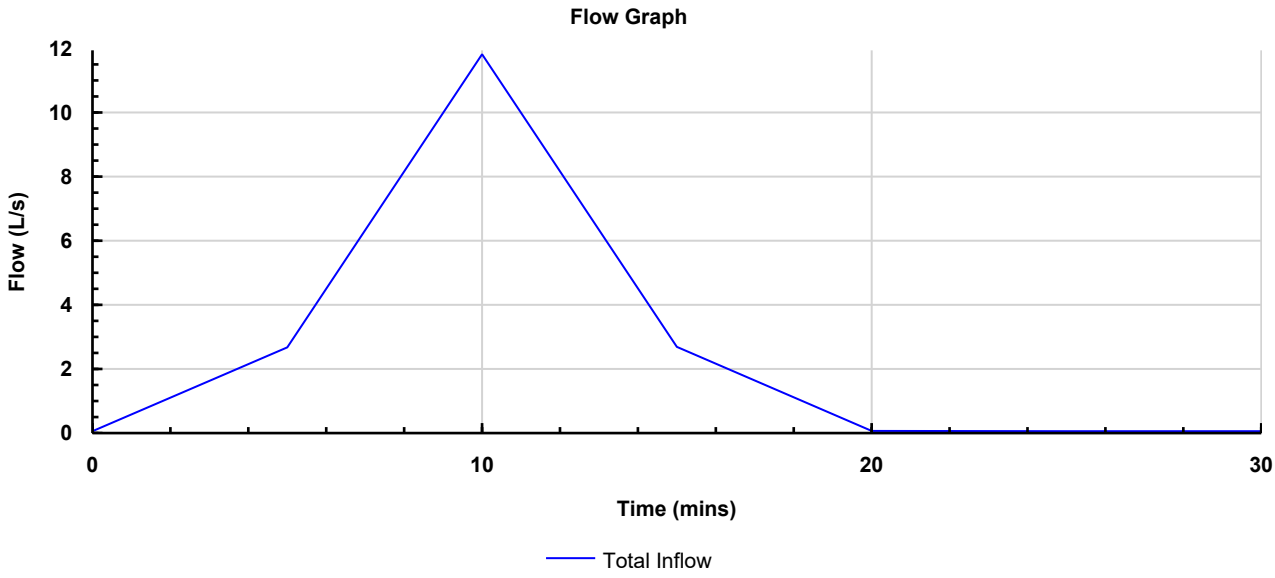
Catchment Area (25)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

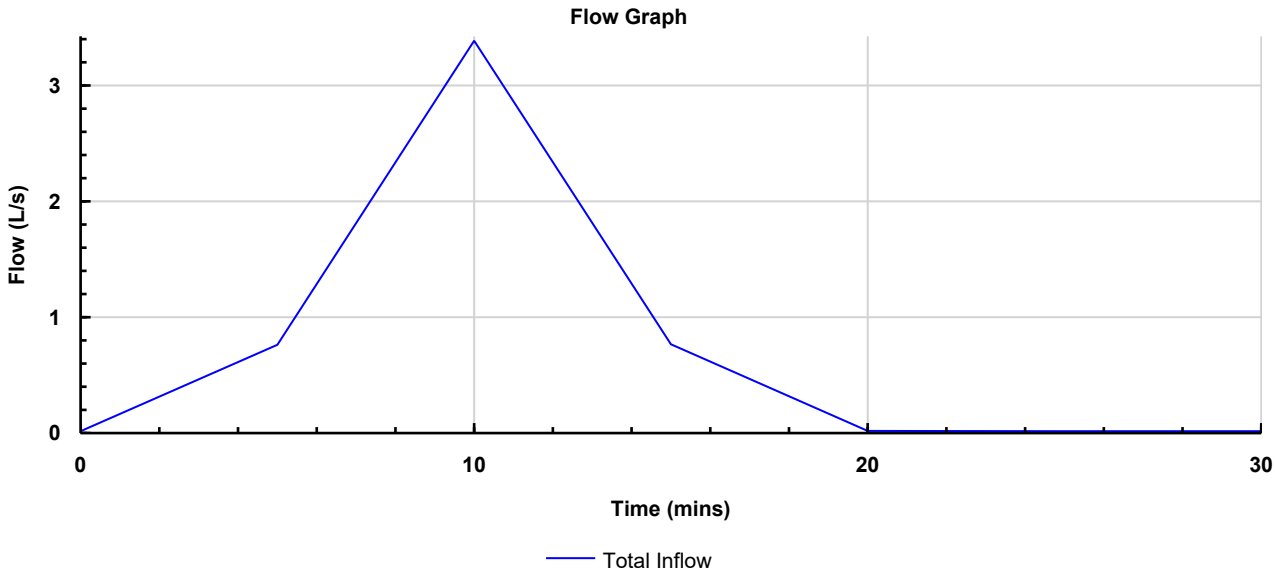
Catchment Area (26)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Catchment Area

Inflow

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

Graphs



Tables

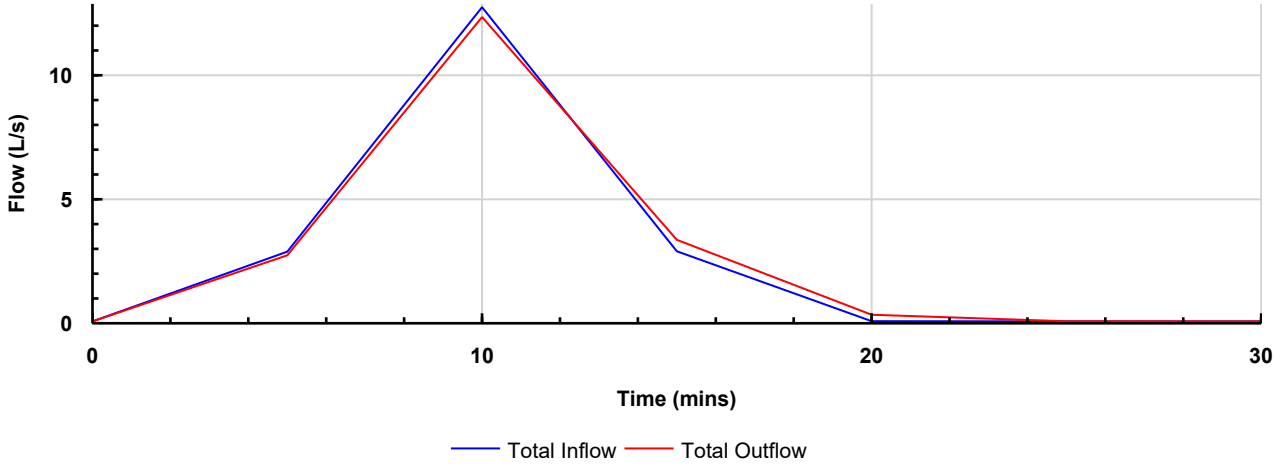
Time (mins)	Total Inflow (L/s)
0	0.0
5	0.7
10	3.4
15	0.8
20	0.0
25	0.0
30	0.0

SIC02 Type : Manhole

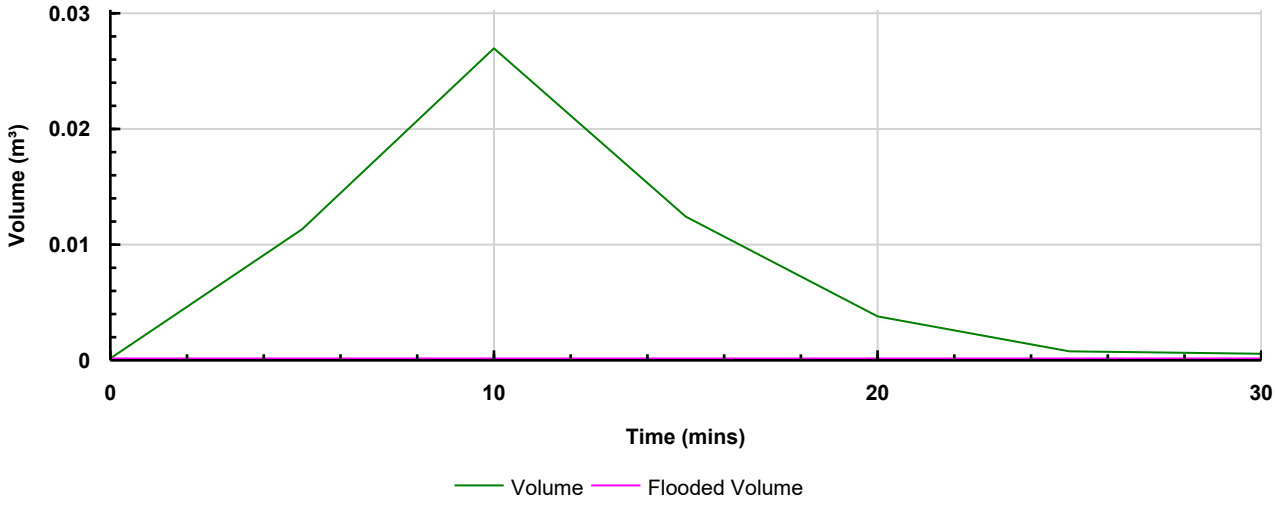
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs

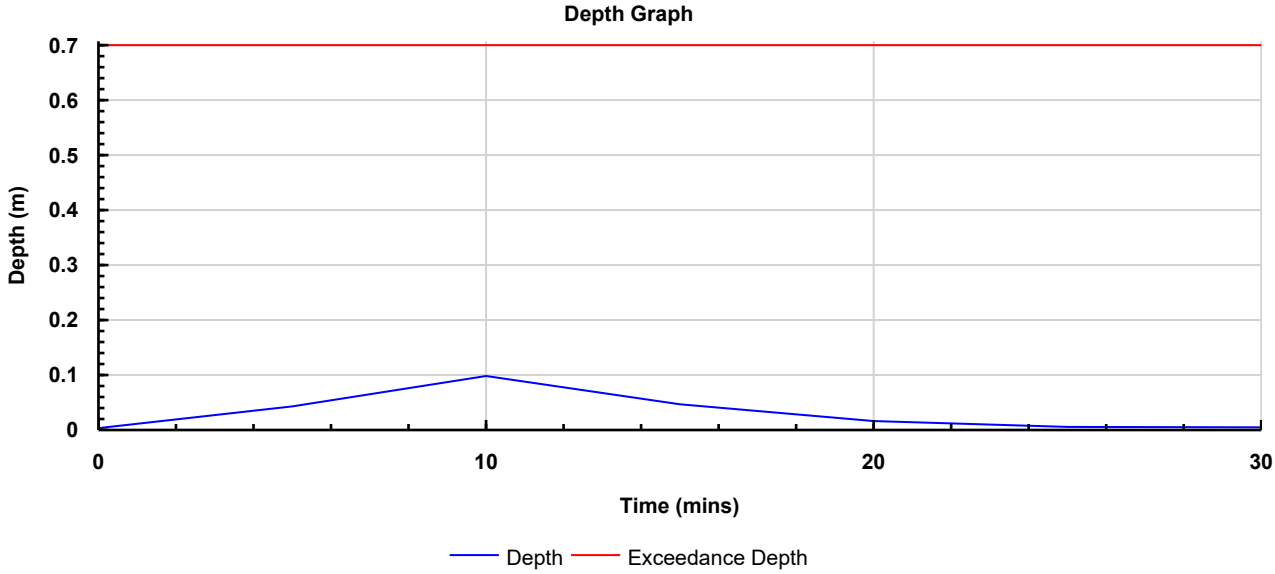
Flow Graph



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

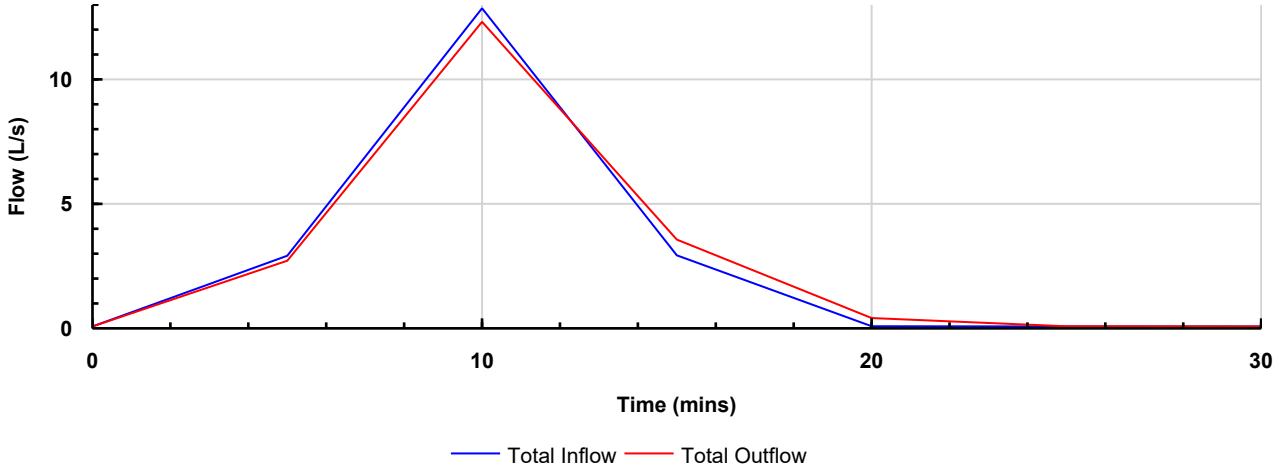
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	2.8	0.040	0.011	0.000	2.7
10	12.7	0.095	0.027	0.000	12.3
15	2.8	0.044	0.012	0.000	3.3
20	0.0	0.013	0.004	0.000	0.3
25	0.0	0.002	0.001	0.000	0.0
30	0.0	0.001	0.000	0.000	0.0

SIC01 Type : Manhole

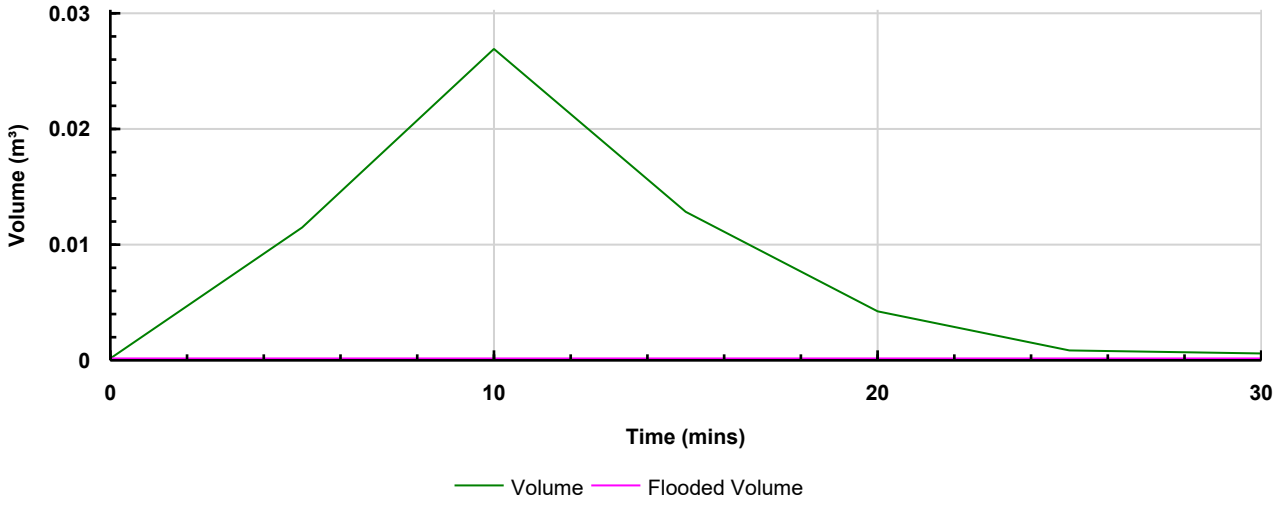
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs

Flow Graph

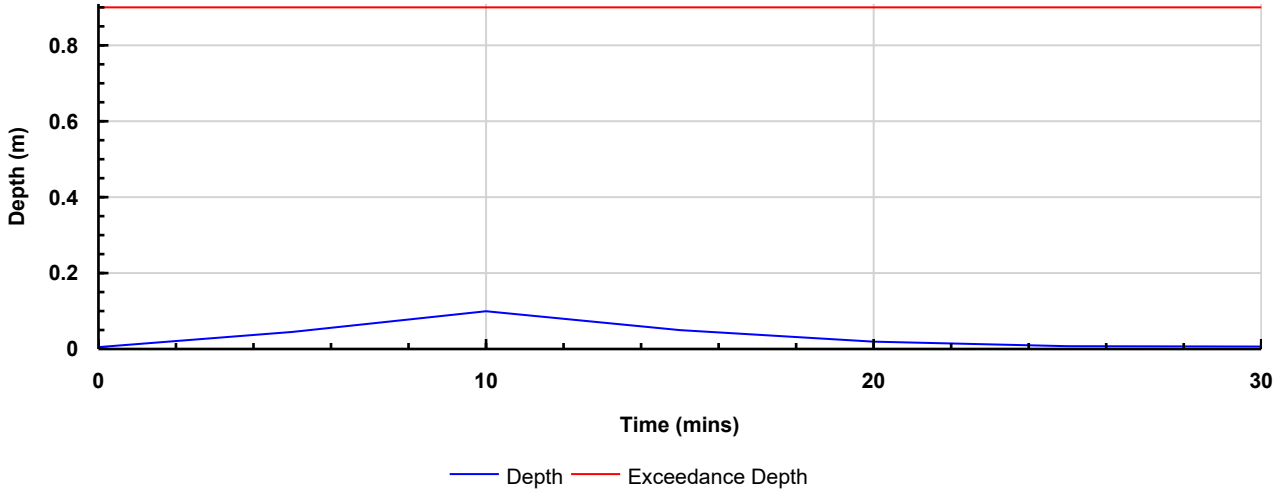


Volume Graph



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



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

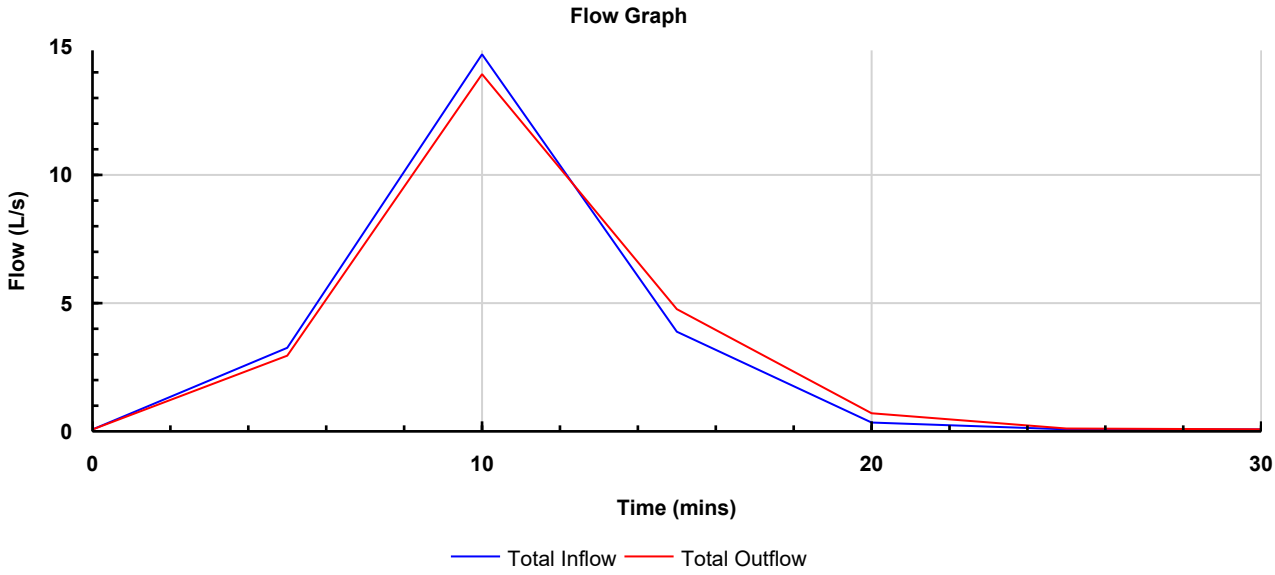
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	2.9	0.040	0.011	0.000	2.7
10	12.9	0.095	0.027	0.000	12.3
15	2.9	0.045	0.013	0.000	3.5
20	0.0	0.014	0.004	0.000	0.3
25	0.0	0.002	0.001	0.000	0.0
30	0.0	0.002	0.000	0.000	0.0

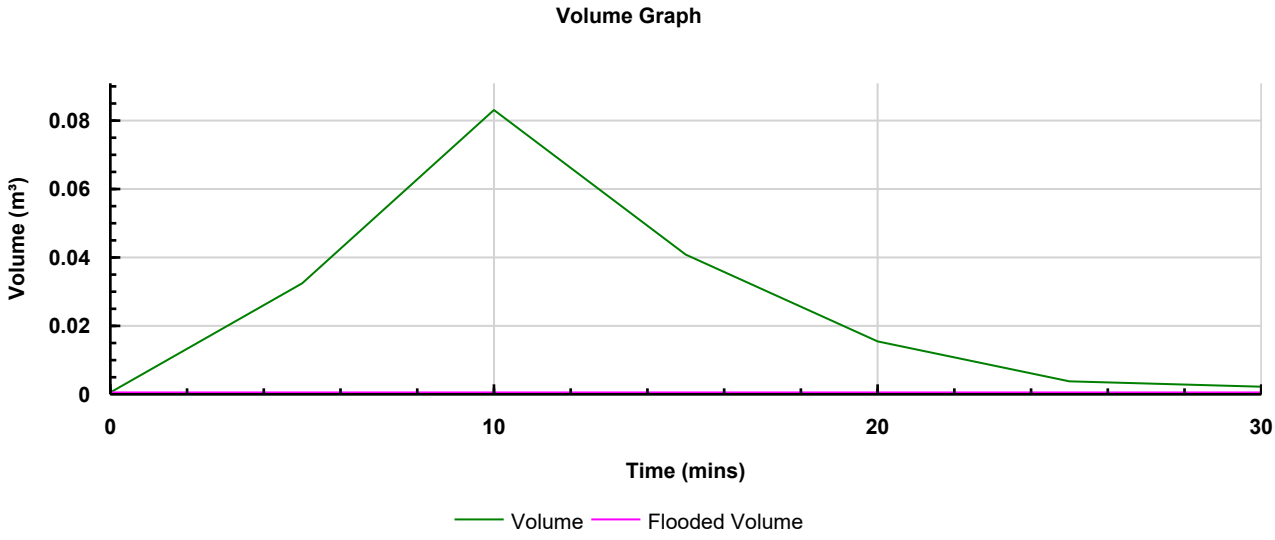
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH07 Type : Manhole

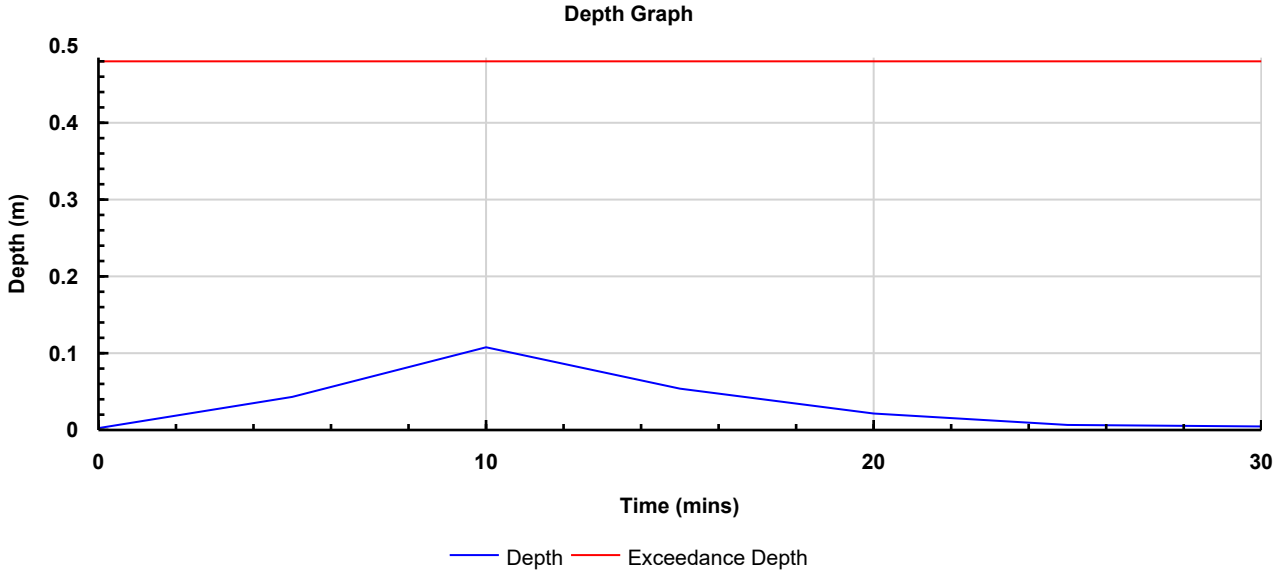
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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

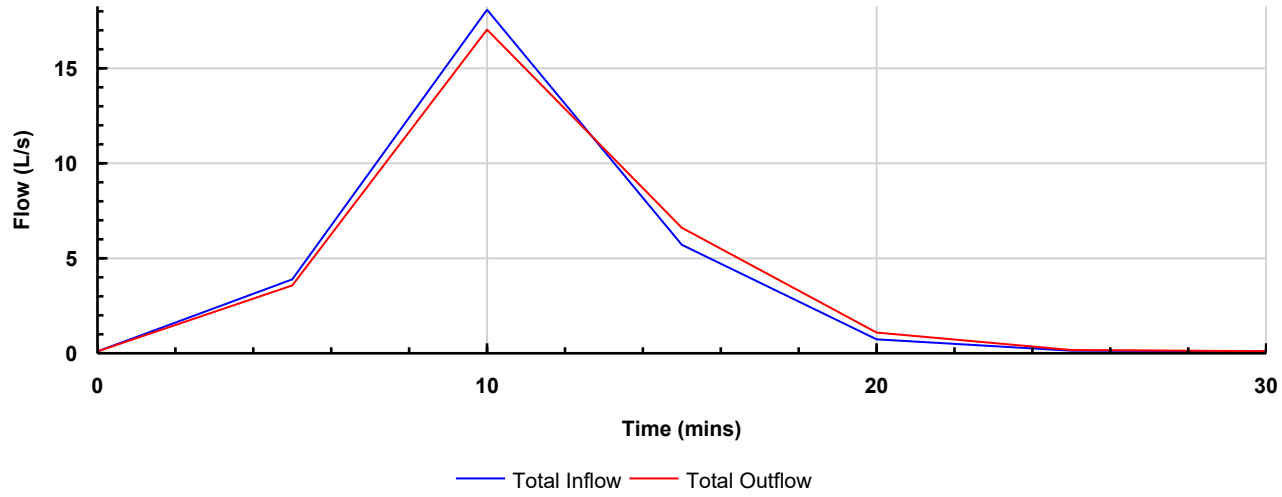
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH06 Type : Manhole

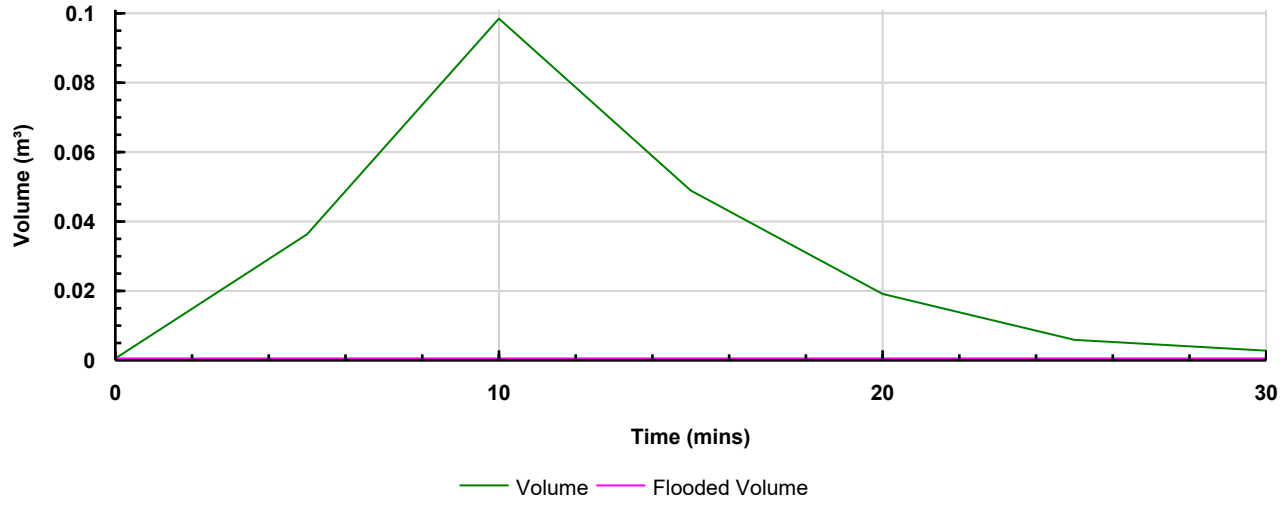
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs

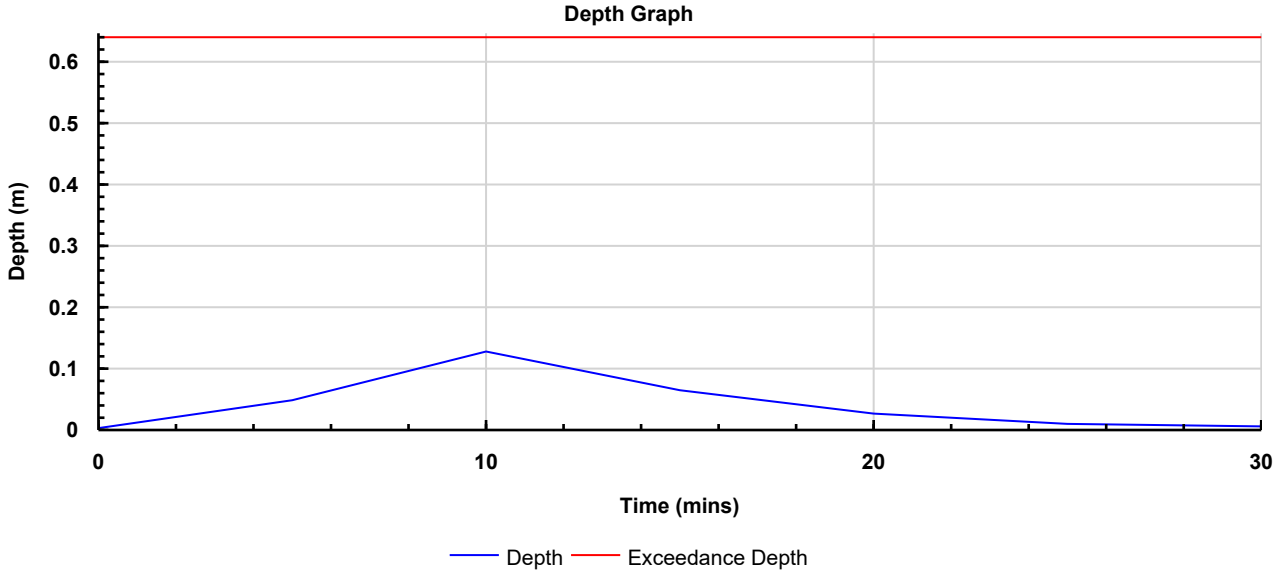
Flow Graph



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

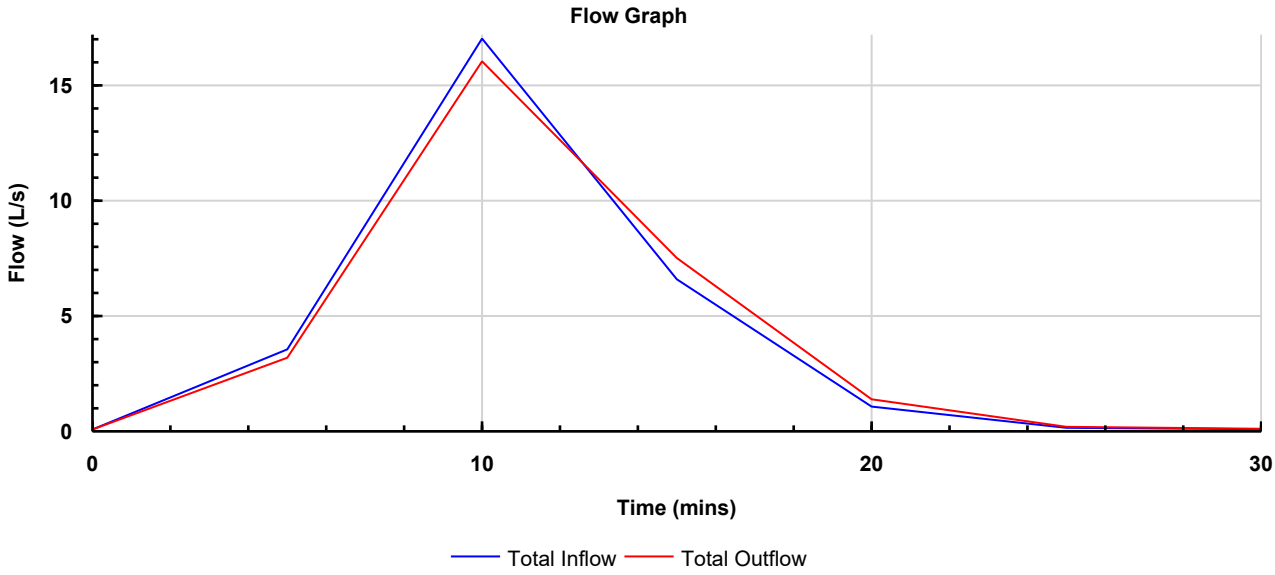
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	3.8	0.046	0.036	0.000	3.5
10	18.1	0.125	0.098	0.000	17.0
15	5.6	0.062	0.049	0.000	6.5
20	0.6	0.024	0.019	0.000	1.0
25	0.0	0.007	0.005	0.000	0.1
30	0.0	0.003	0.002	0.000	0.0

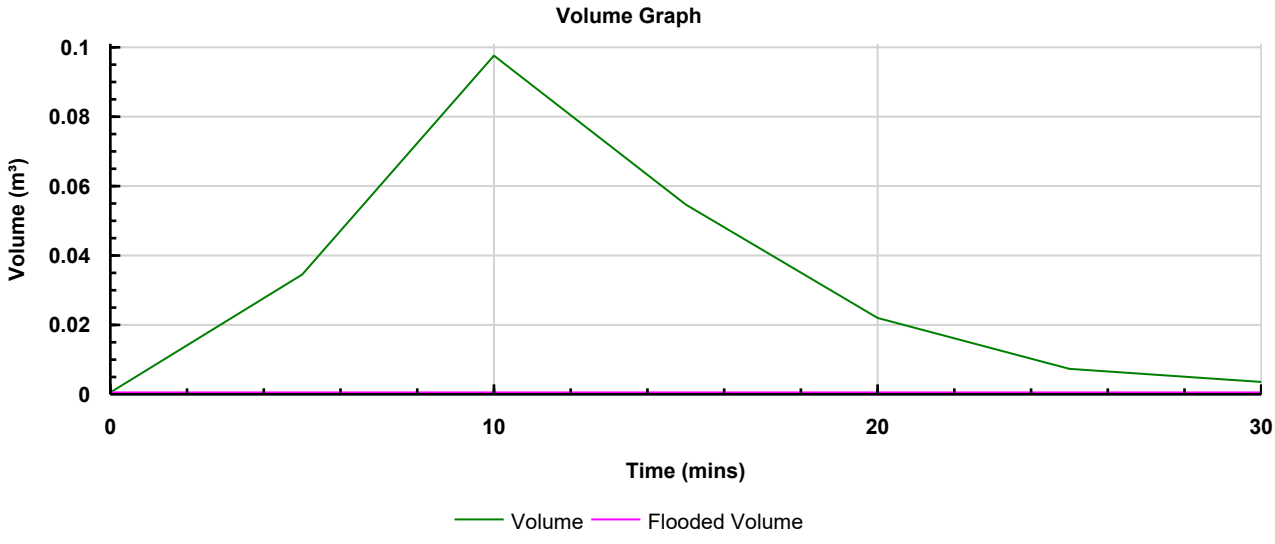
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH05 Type : Manhole

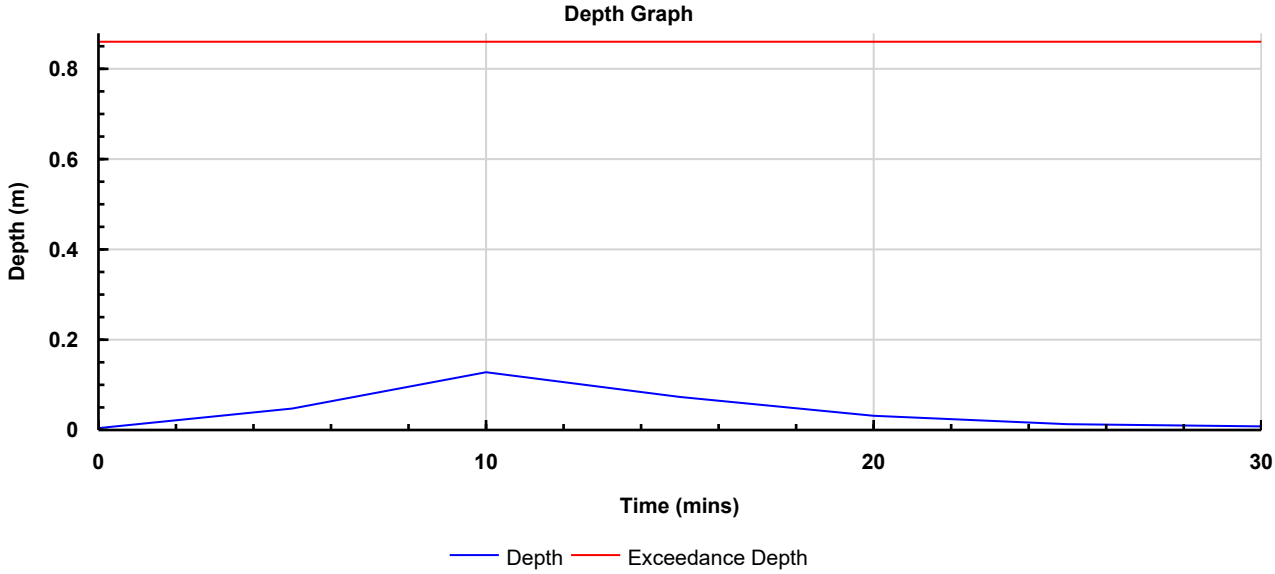
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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

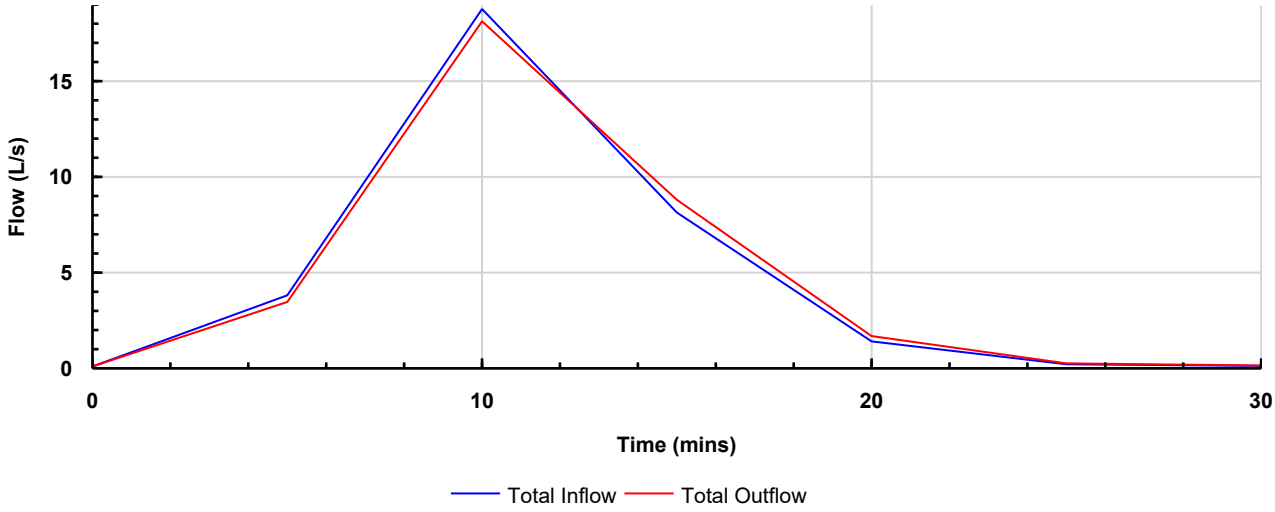
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	3.5	0.044	0.034	0.000	3.1
10	17.0	0.124	0.098	0.000	16.0
15	6.5	0.069	0.054	0.000	7.5
20	1.0	0.027	0.022	0.000	1.3
25	0.1	0.009	0.007	0.000	0.1
30	0.0	0.004	0.003	0.000	0.0

SMH04 Type : Manhole

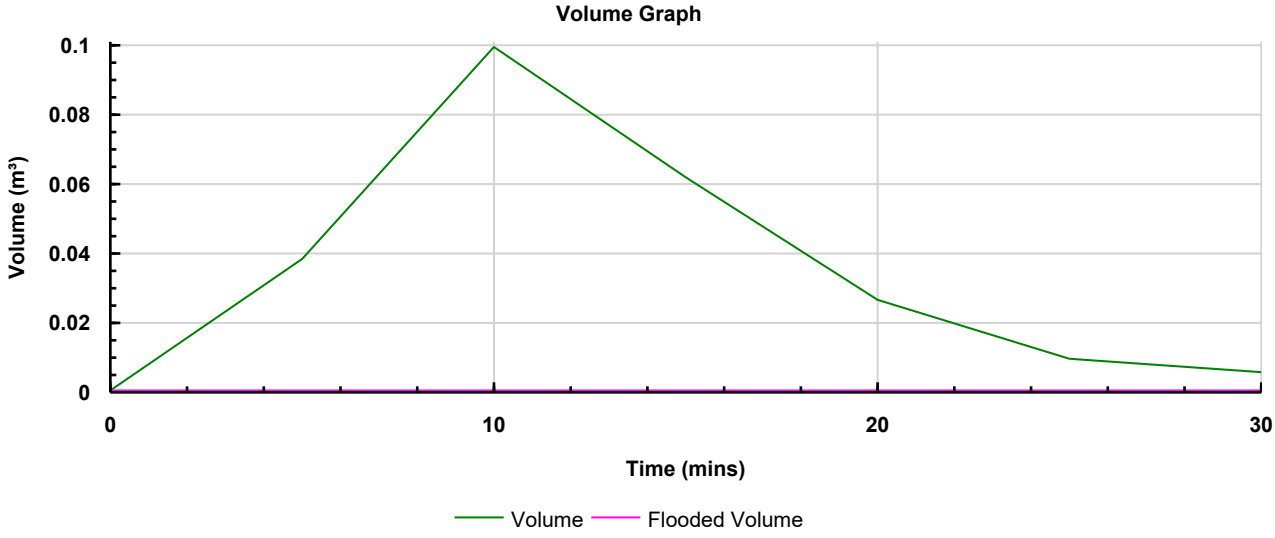
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs

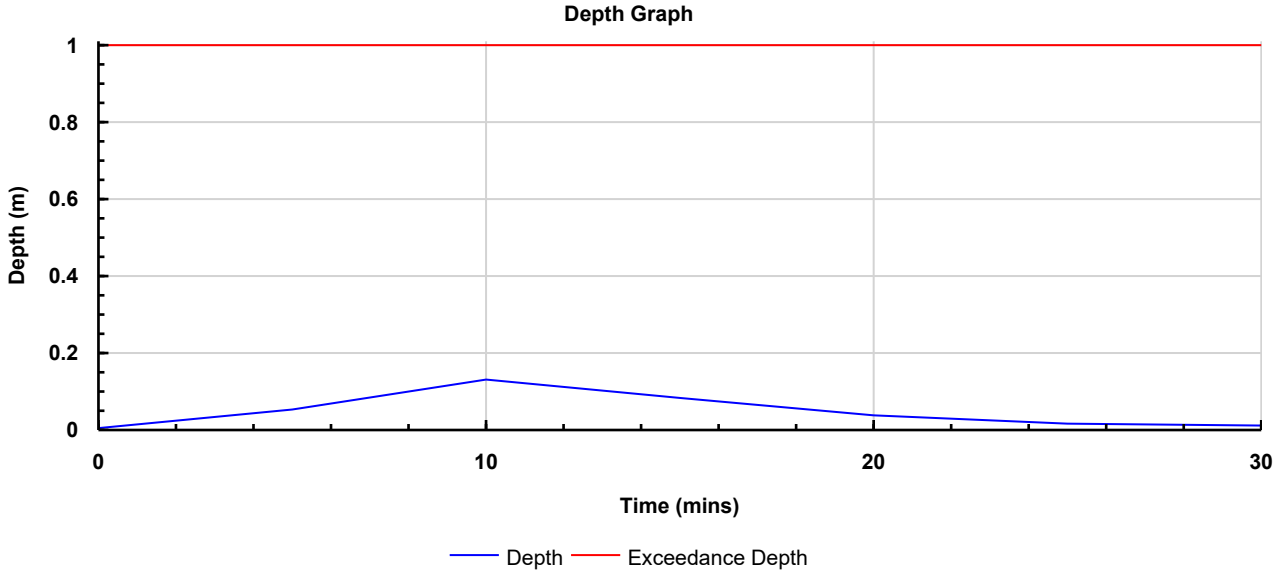
Flow Graph



Volume Graph



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Ramsbury Manor - Estate Yard	22/08/2025		
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Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		



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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

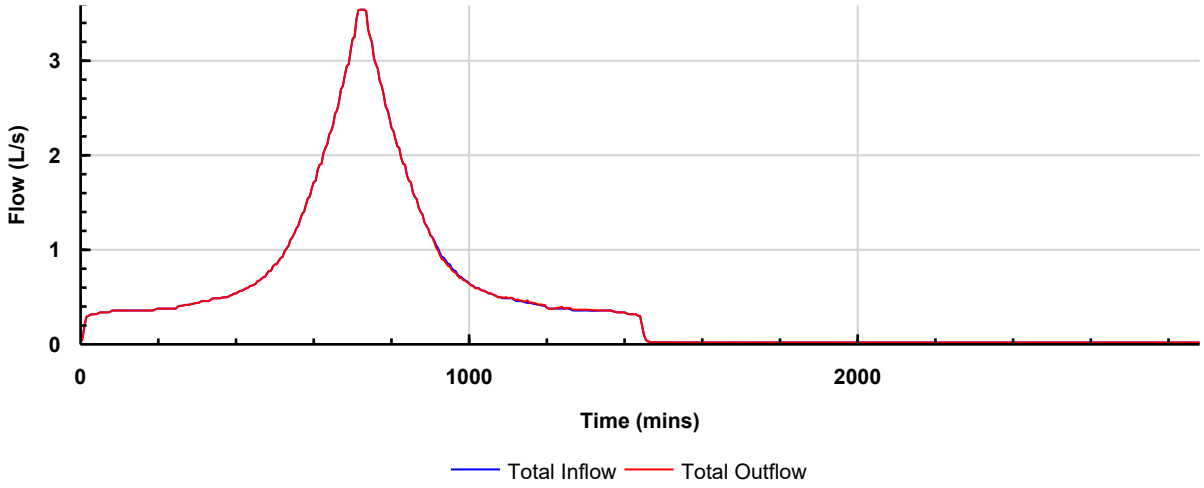
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	3.7	0.049	0.038	0.000	3.4
10	18.8	0.127	0.100	0.000	18.1
15	8.1	0.079	0.062	0.000	8.8
20	1.3	0.033	0.026	0.000	1.6
25	0.1	0.012	0.009	0.000	0.2
30	0.0	0.007	0.005	0.000	0.0

SMH03 Type : Manhole

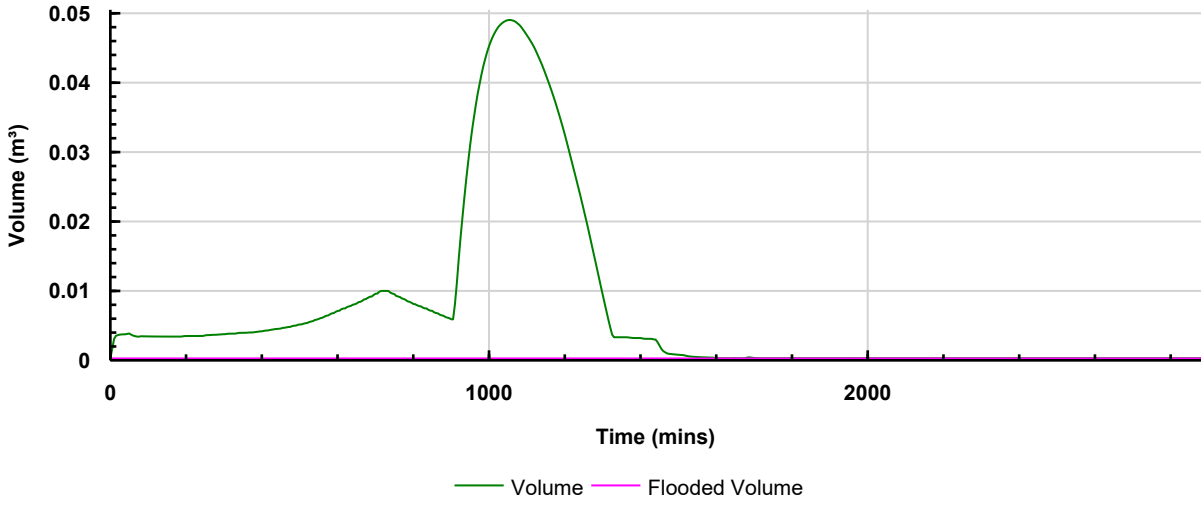
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

Graphs

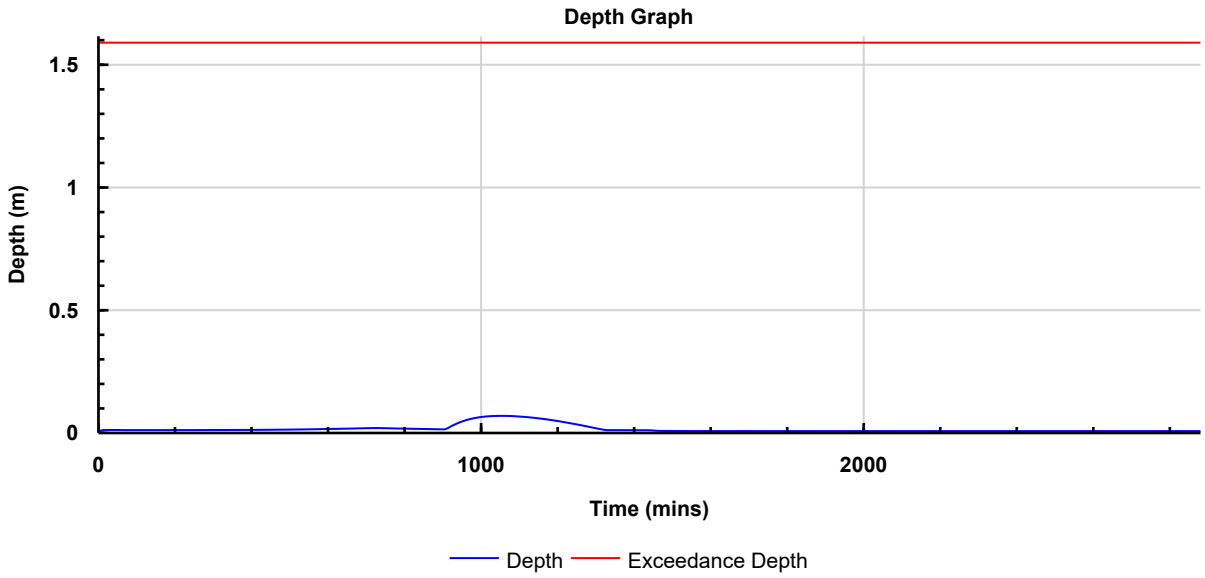
Flow Graph



Volume Graph



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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

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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		

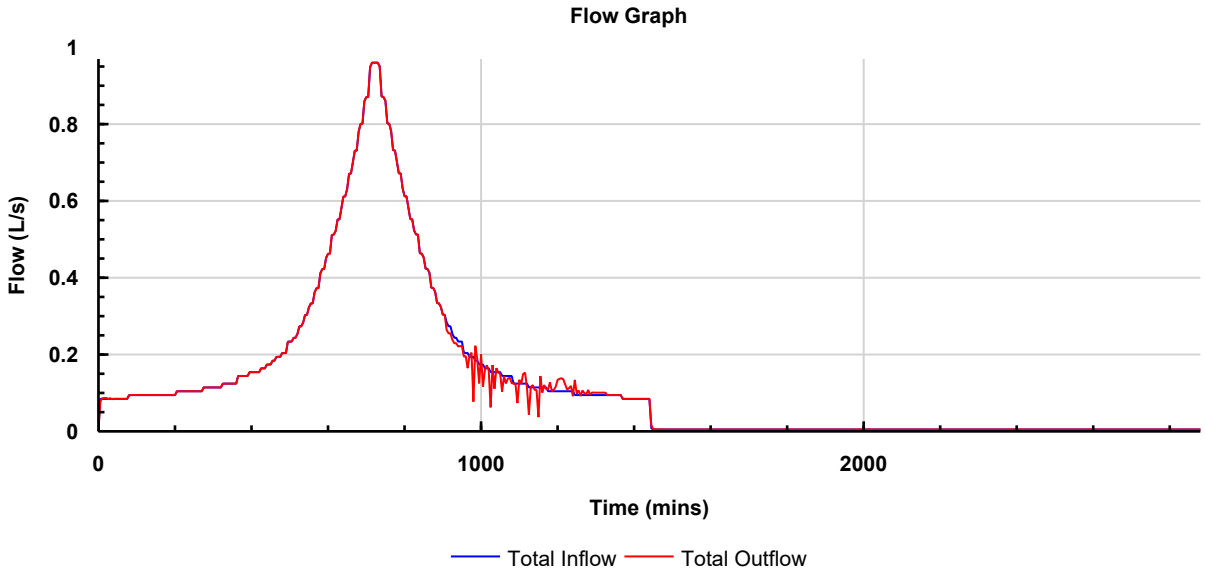
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2735	0.0	0.000	0.000	0.000	0.0
2740	0.0	0.000	0.000	0.000	0.0
2745	0.0	0.000	0.000	0.000	0.0
2750	0.0	0.000	0.000	0.000	0.0
2755	0.0	0.000	0.000	0.000	0.0
2760	0.0	0.000	0.000	0.000	0.0
2765	0.0	0.000	0.000	0.000	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

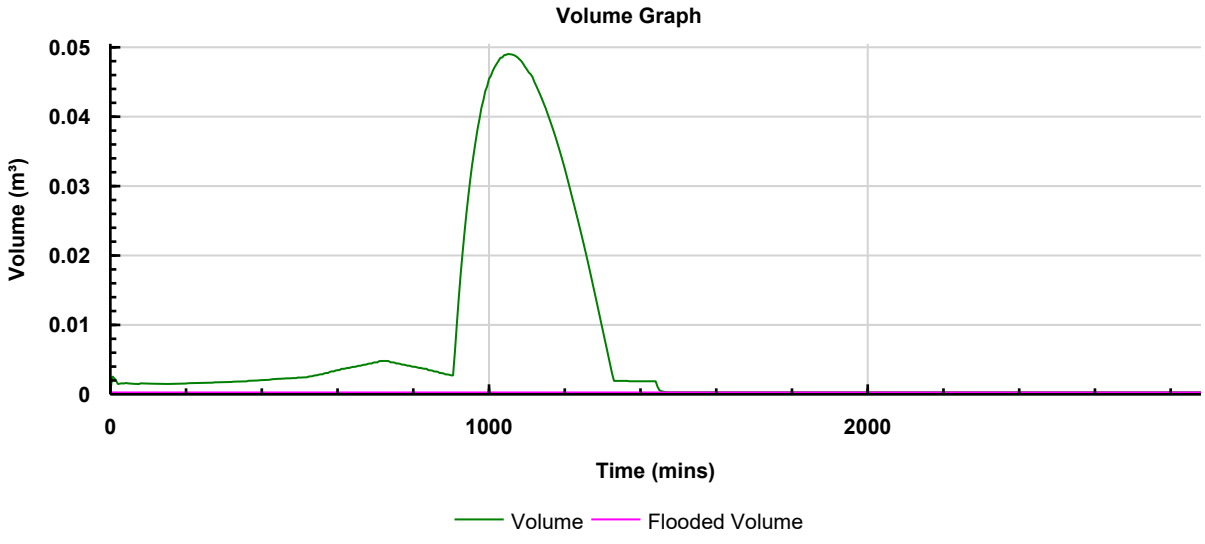
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH09 Type : Manhole

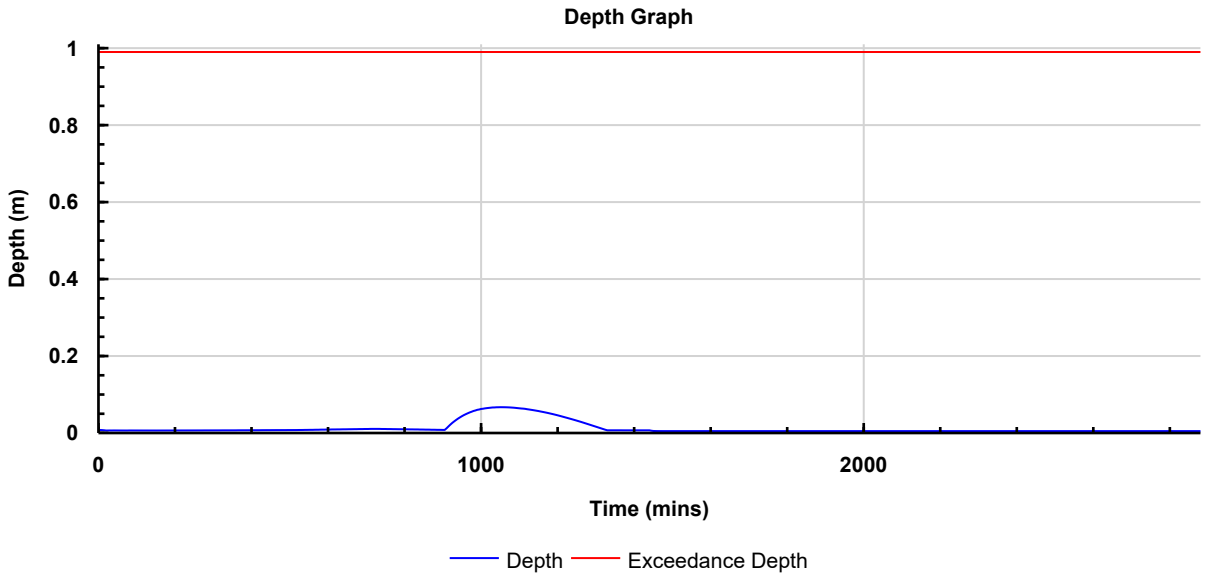
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

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		

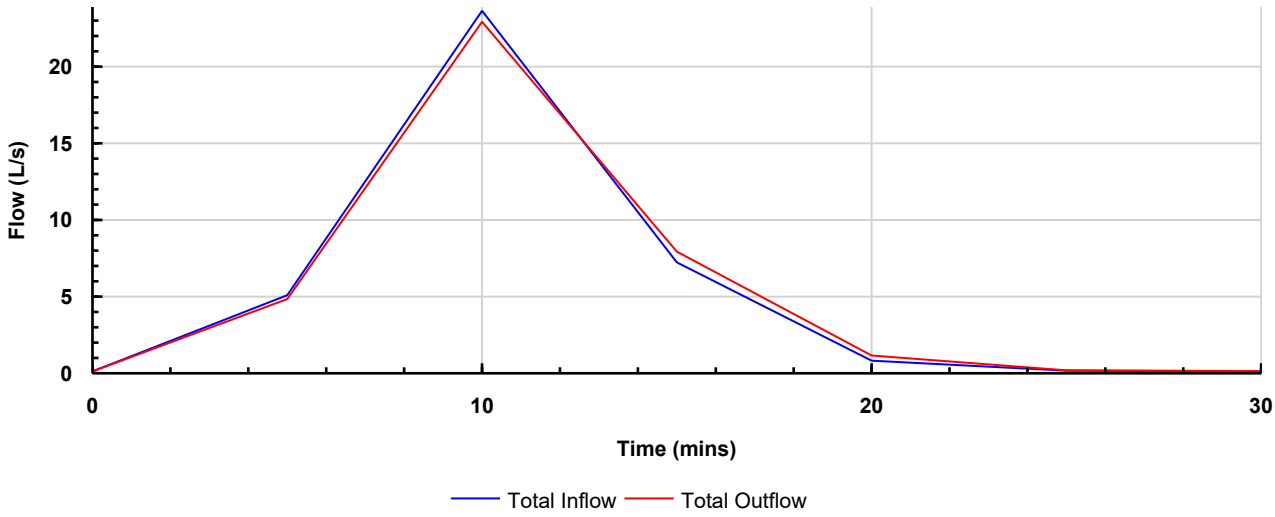
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2735	0.0	0.000	0.000	0.000	0.0
2740	0.0	0.000	0.000	0.000	0.0
2745	0.0	0.000	0.000	0.000	0.0
2750	0.0	0.000	0.000	0.000	0.0
2755	0.0	0.000	0.000	0.000	0.0
2760	0.0	0.000	0.000	0.000	0.0
2765	0.0	0.000	0.000	0.000	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

SMH02 Type : Manhole

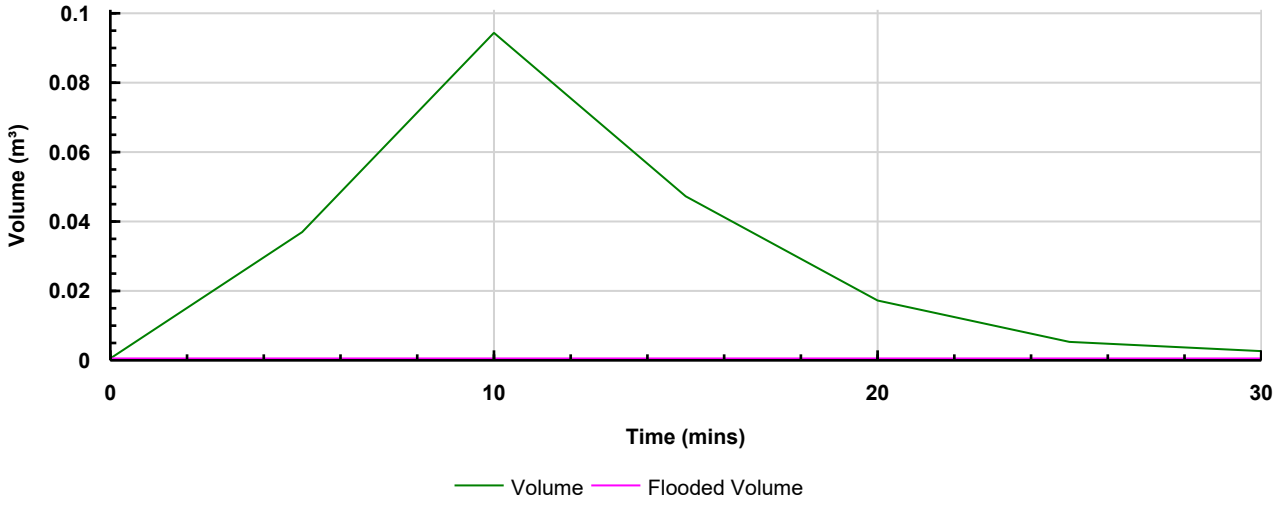
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs

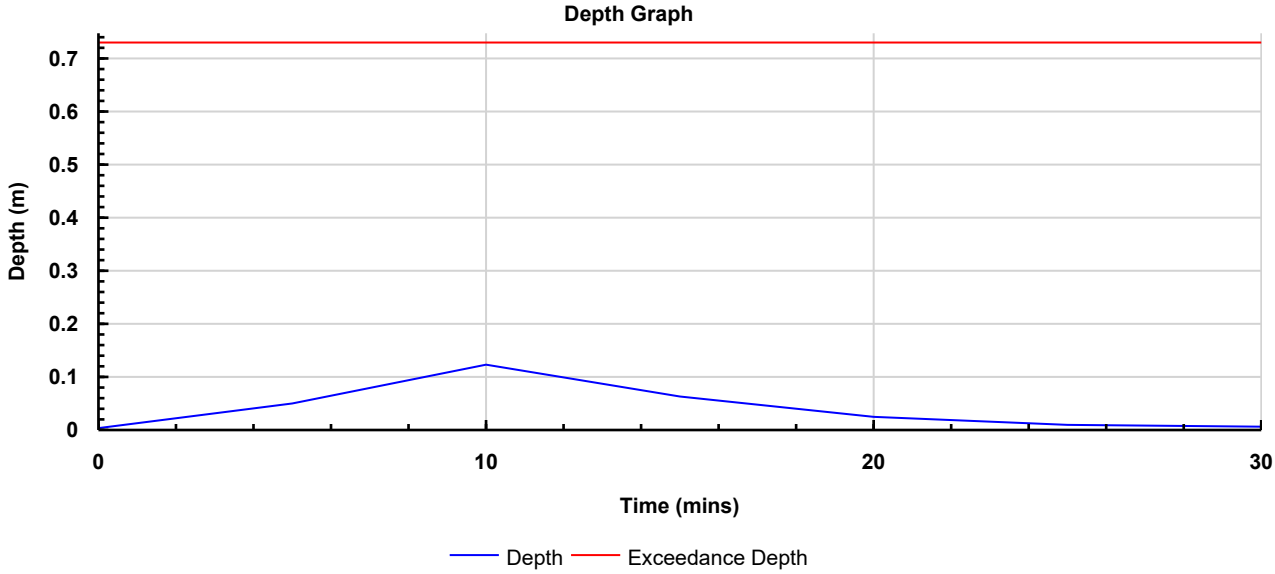
Flow Graph



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

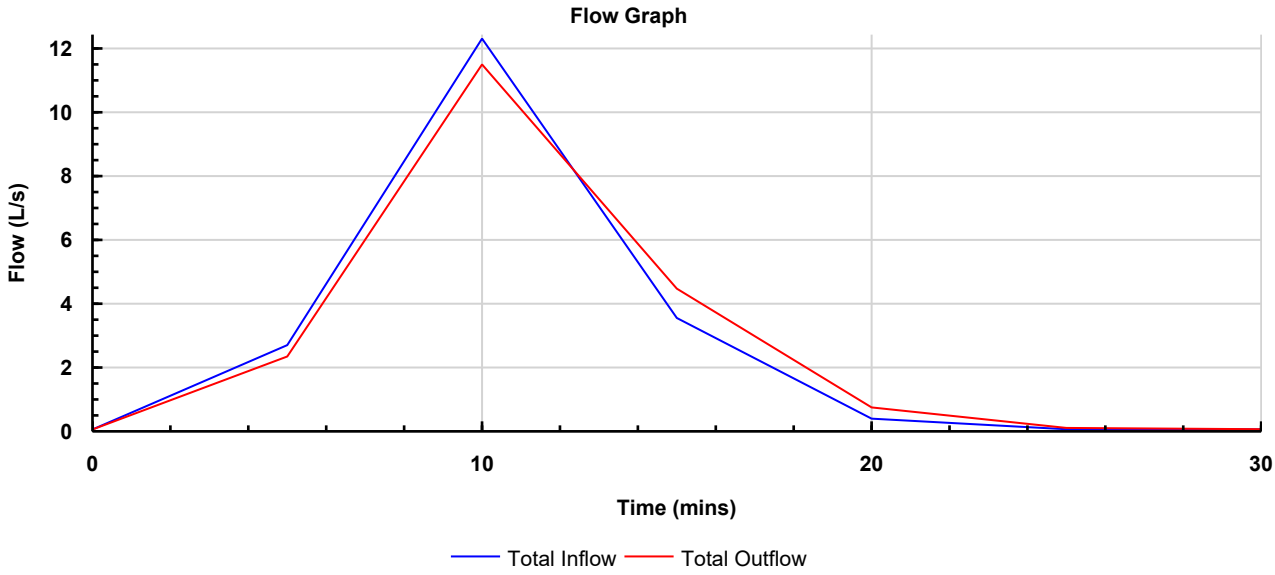
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	5.0	0.047	0.037	0.000	4.7
10	23.6	0.120	0.094	0.000	22.9
15	7.1	0.060	0.047	0.000	7.9
20	0.7	0.021	0.017	0.000	1.0
25	0.0	0.006	0.005	0.000	0.1
30	0.0	0.003	0.002	0.000	0.0

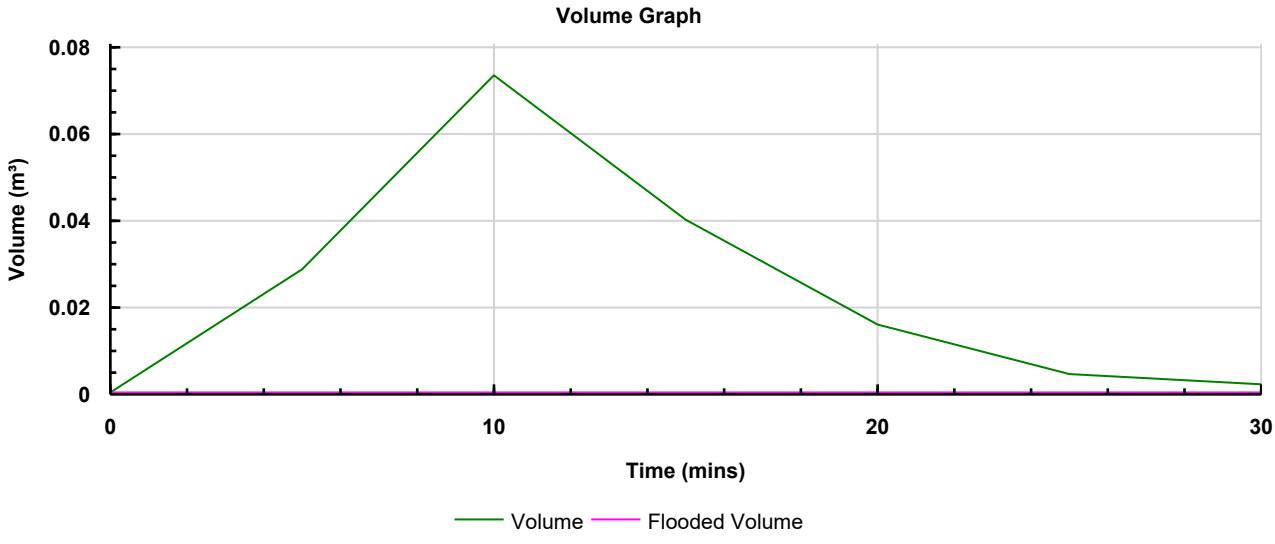
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH01 Type : Manhole

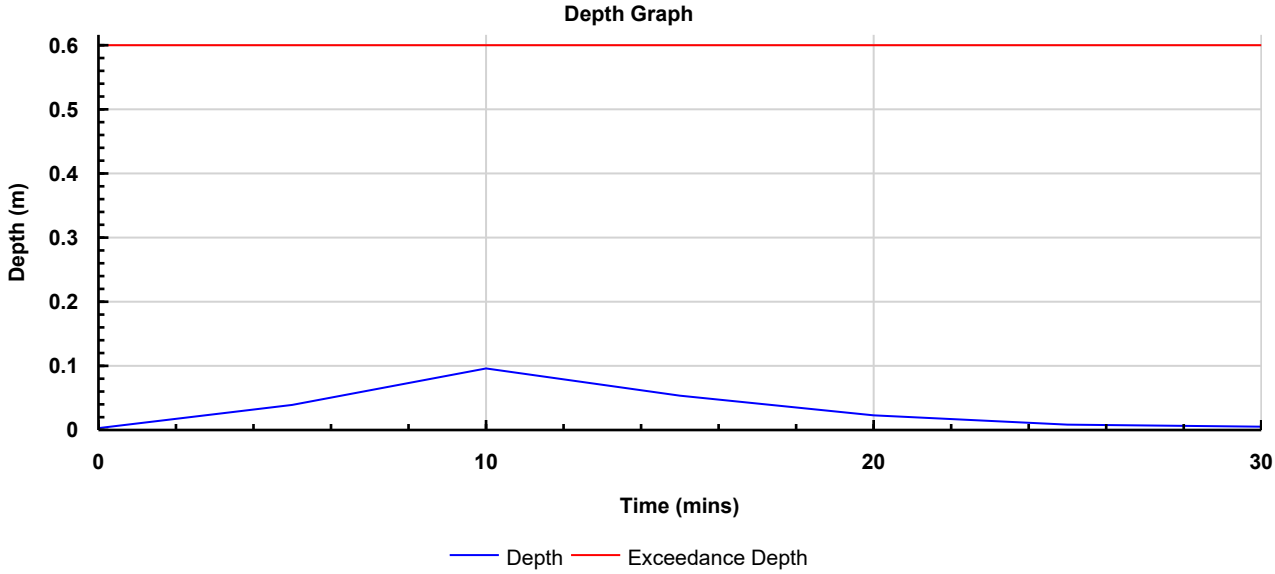
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

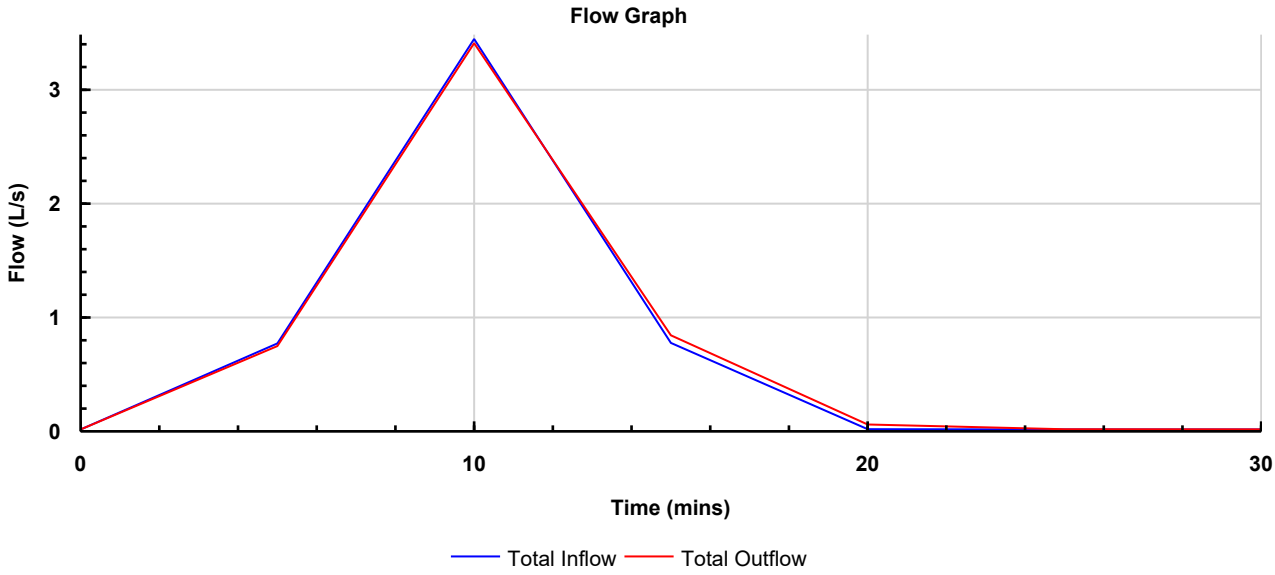
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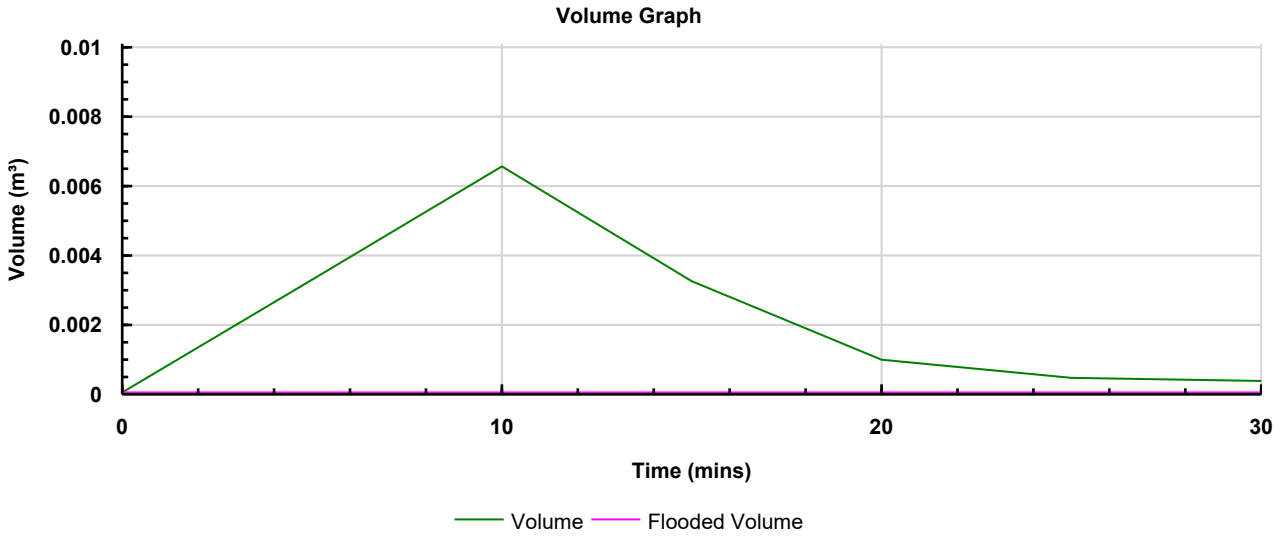
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	2.7	0.036	0.029	0.000	2.3
10	12.3	0.094	0.074	0.000	11.5
15	3.5	0.051	0.040	0.000	4.4
20	0.3	0.020	0.016	0.000	0.7
25	0.0	0.005	0.004	0.000	0.0
30	0.0	0.002	0.002	0.000	0.0

SWIC01 Type : Manhole

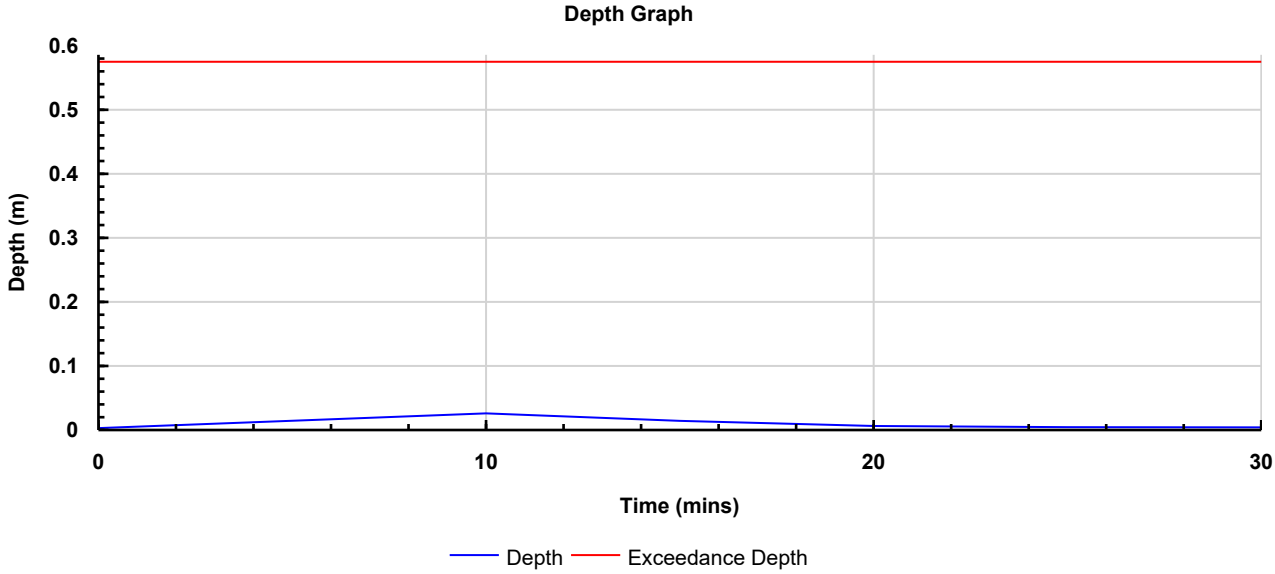
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

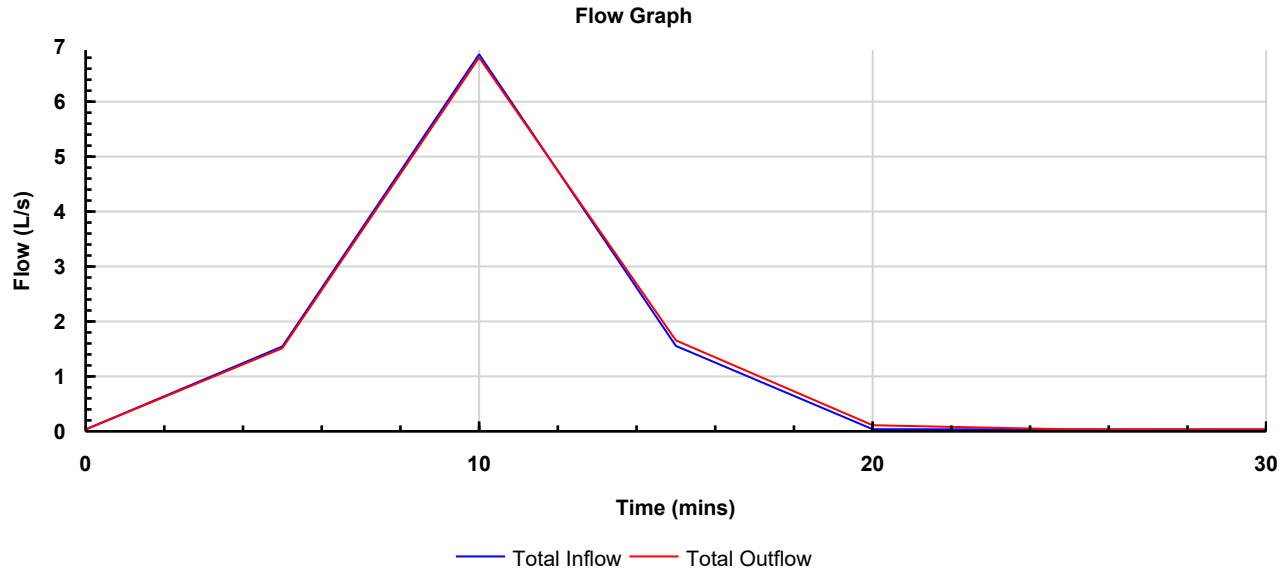
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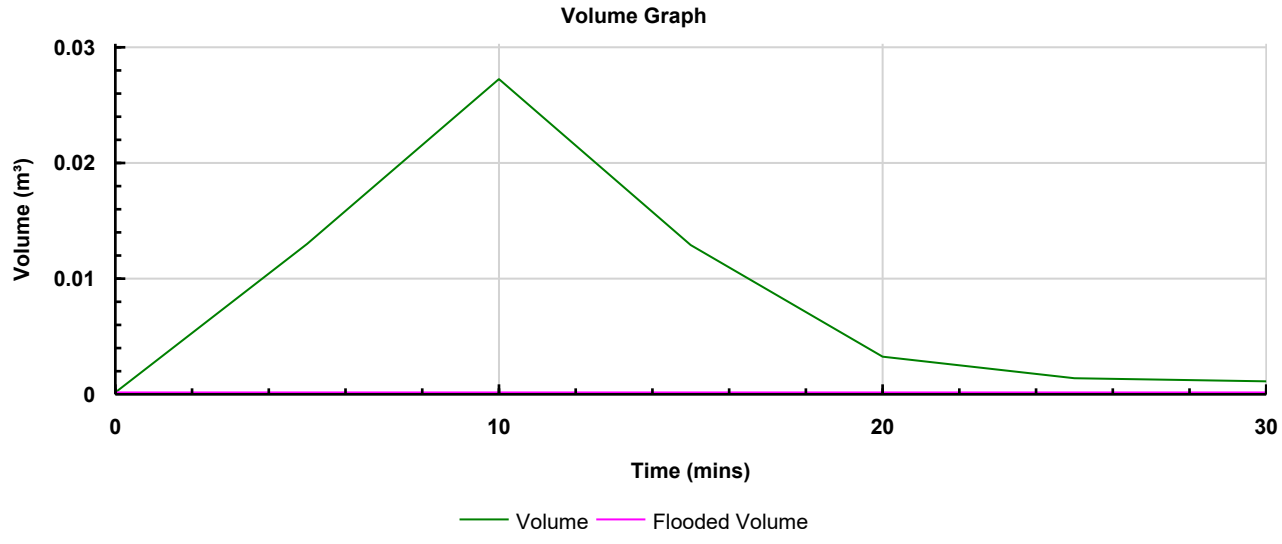
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.8	0.012	0.003	0.000	0.7
10	3.4	0.023	0.007	0.000	3.4
15	0.8	0.011	0.003	0.000	0.8
20	0.0	0.003	0.001	0.000	0.0
25	0.0	0.001	0.000	0.000	0.0
30	0.0	0.001	0.000	0.000	0.0

SMH11 Type : Manhole

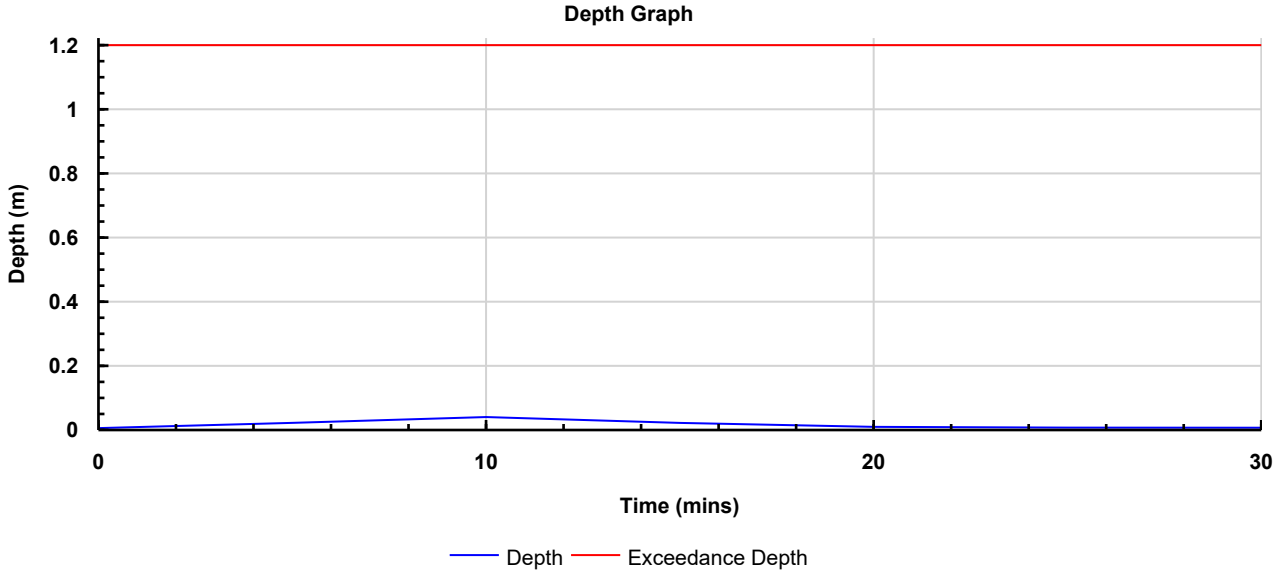
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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

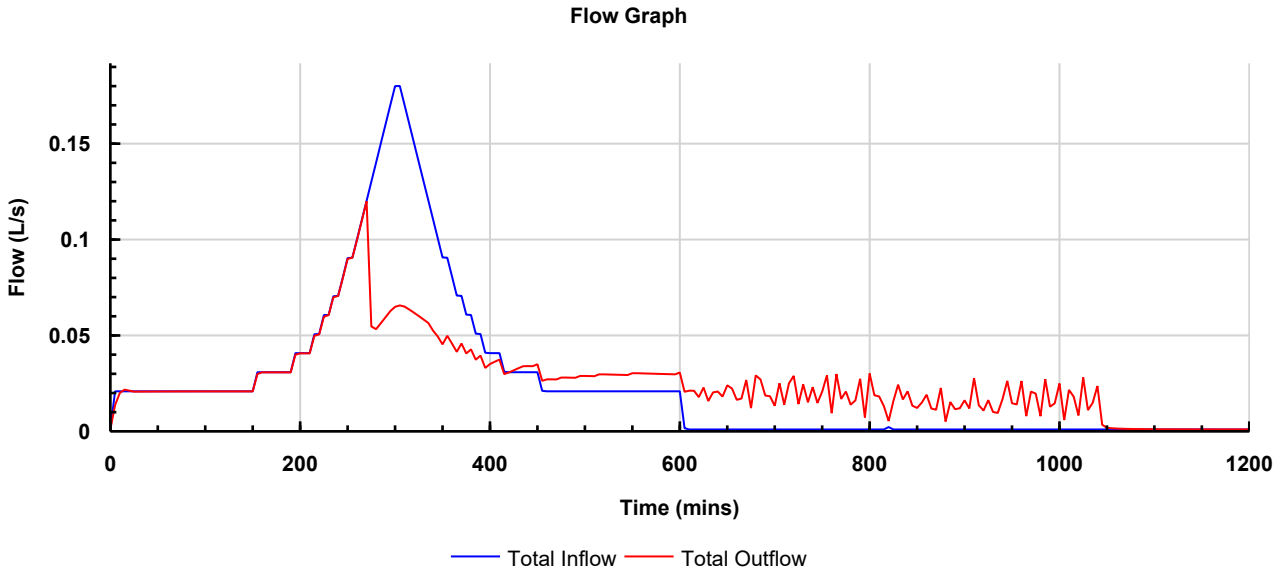
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	1.5	0.016	0.013	0.000	1.5
10	6.9	0.035	0.027	0.000	6.8
15	1.5	0.016	0.013	0.000	1.6
20	0.0	0.004	0.003	0.000	0.1
25	0.0	0.002	0.001	0.000	0.0
30	0.0	0.001	0.001	0.000	0.0

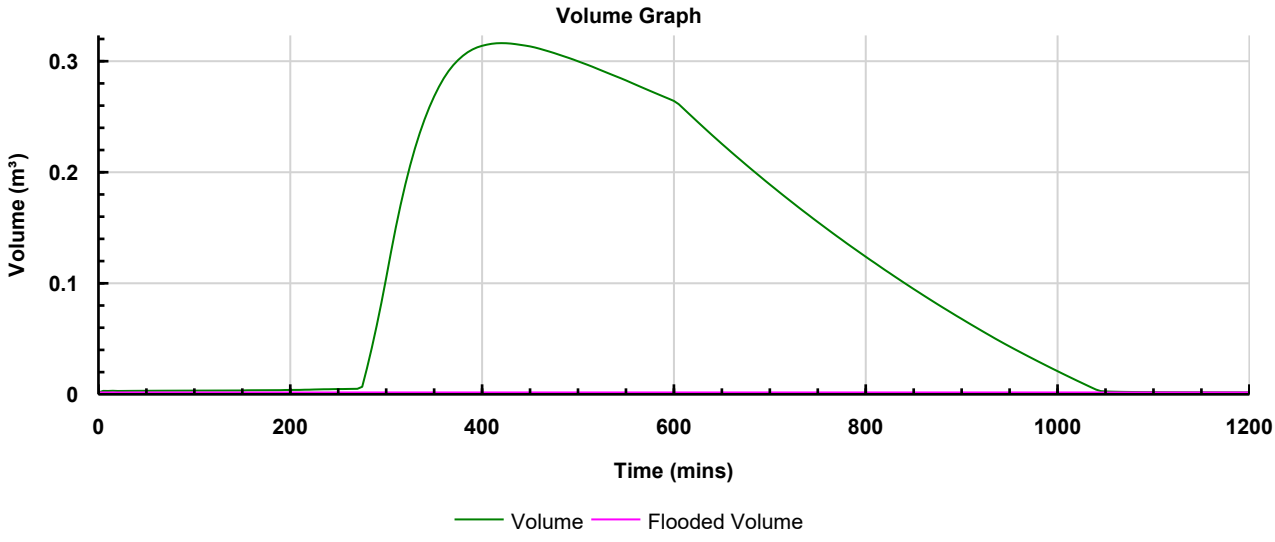
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH12 Type : Manhole

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

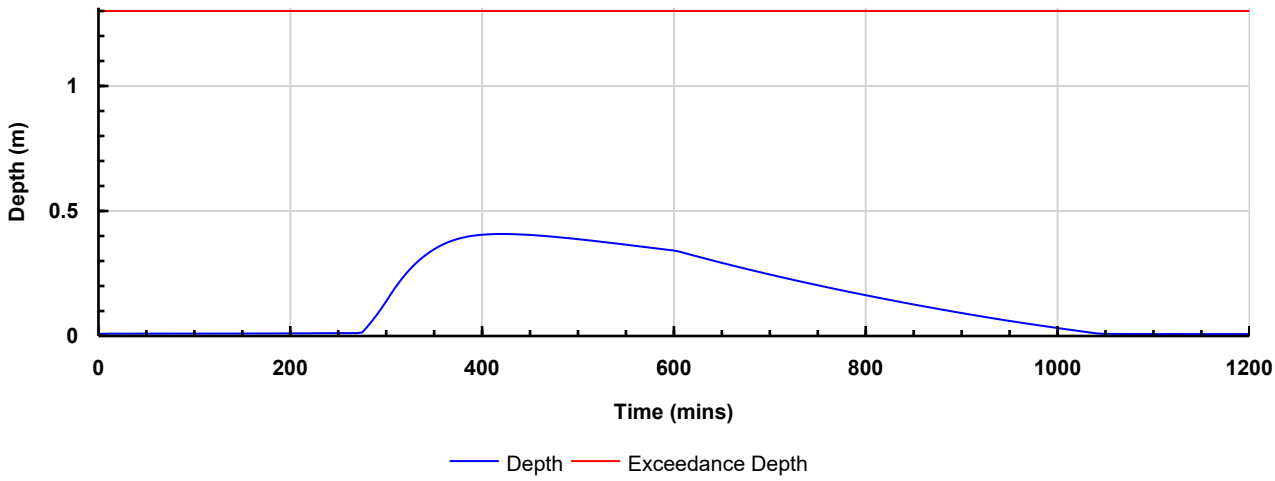
Graphs





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



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	0.0	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		

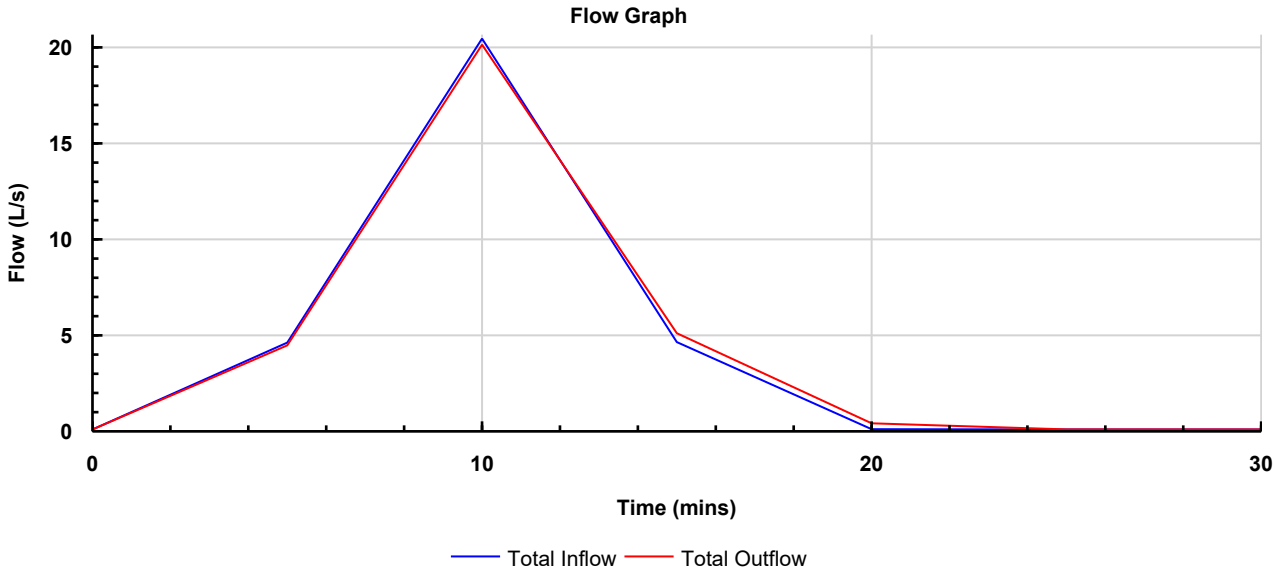
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1085	0.0	0.000	0.000	0.000	0.0
1090	0.0	0.000	0.000	0.000	0.0
1095	0.0	0.000	0.000	0.000	0.0
1100	0.0	0.000	0.000	0.000	0.0
1105	0.0	0.000	0.000	0.000	0.0
1110	0.0	0.000	0.000	0.000	0.0
1115	0.0	0.000	0.000	0.000	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

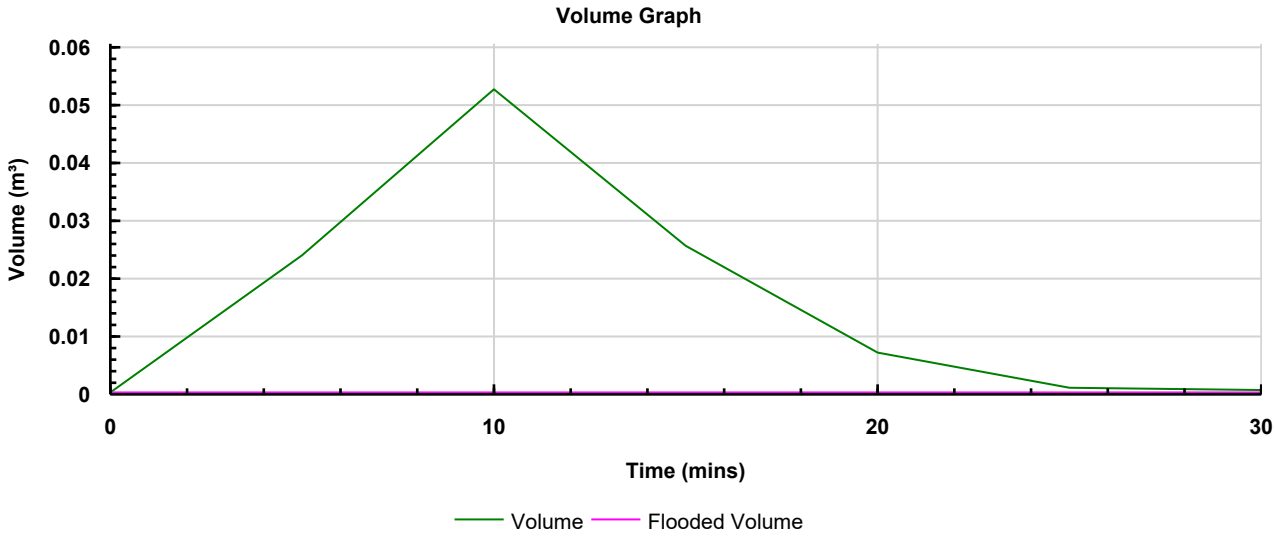
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

RMH05 Type : Manhole

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

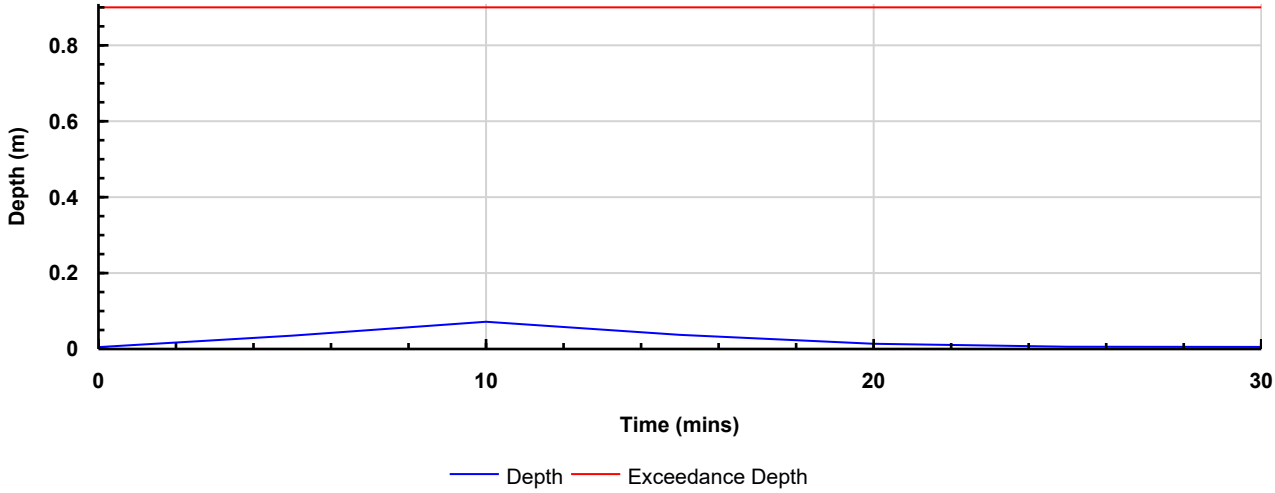
Graphs





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		

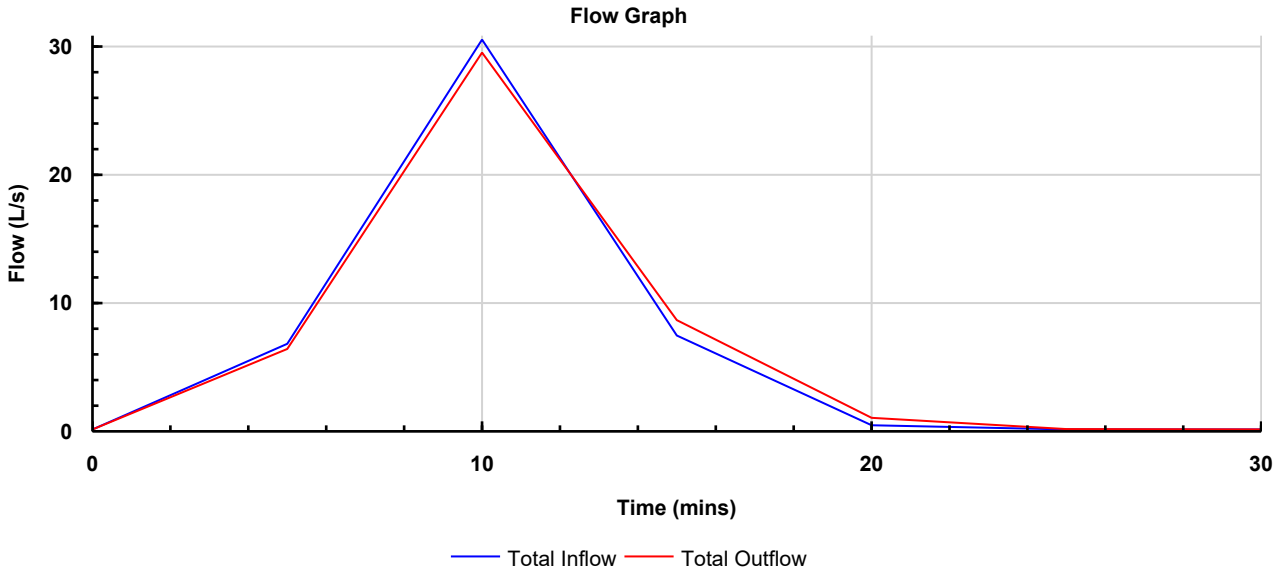
Tables

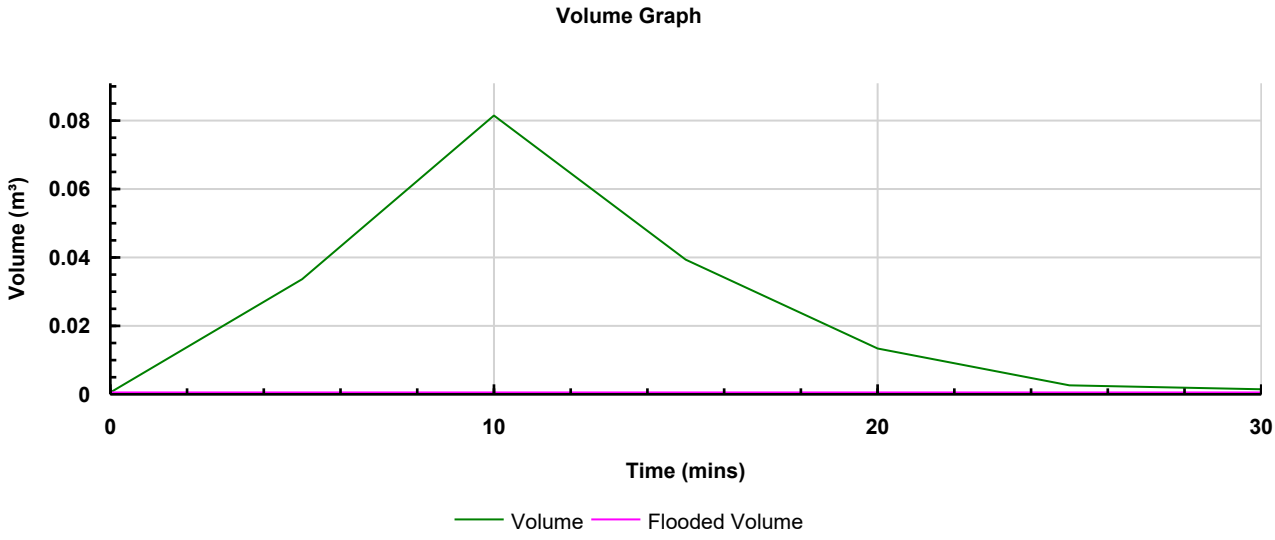
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	4.5	0.030	0.024	0.000	4.4
10	20.5	0.067	0.053	0.000	20.1
15	4.6	0.032	0.025	0.000	5.0
20	0.0	0.009	0.007	0.000	0.3
25	0.0	0.001	0.001	0.000	0.0
30	0.0	0.001	0.000	0.000	0.0

RMH04 Type : Manhole

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

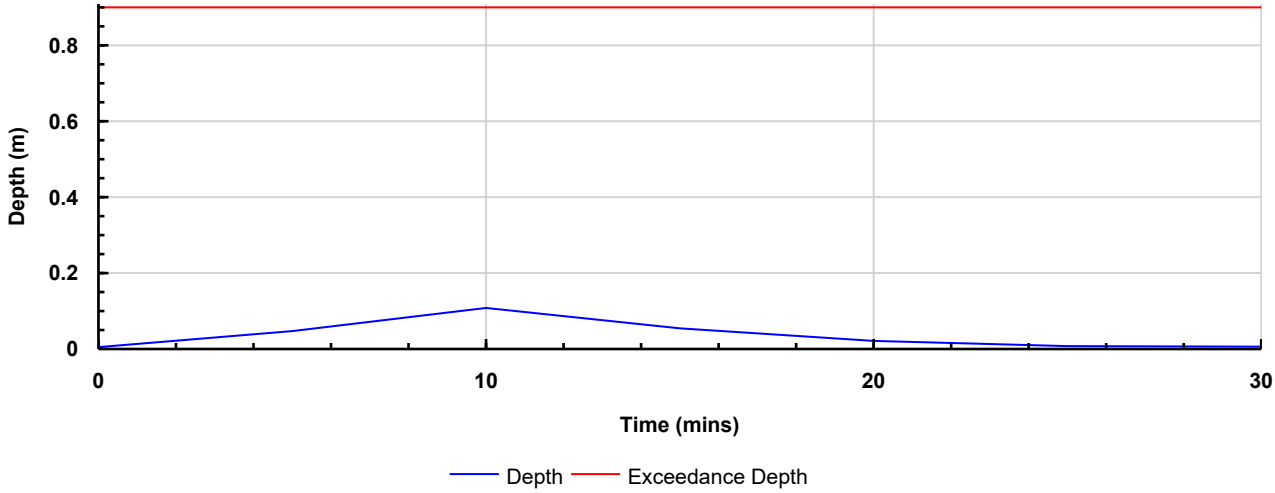
Graphs





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

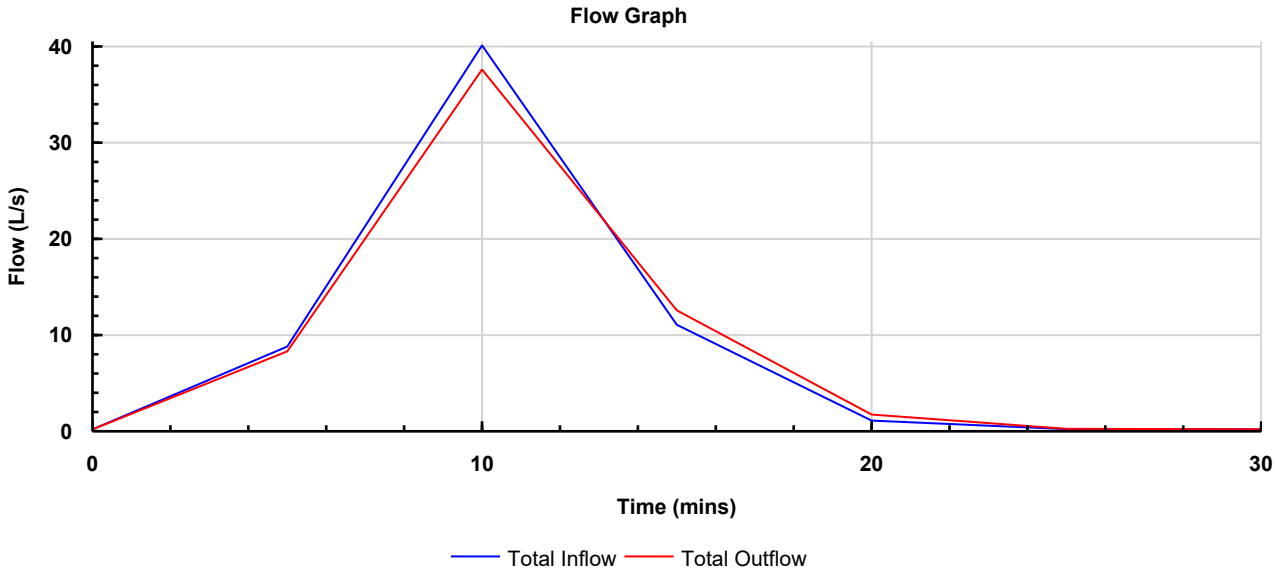
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	6.7	0.042	0.033	0.000	6.3
10	30.5	0.104	0.081	0.000	29.5
15	7.4	0.050	0.039	0.000	8.6
20	0.3	0.016	0.013	0.000	0.9
25	0.0	0.003	0.002	0.000	0.0
30	0.0	0.001	0.001	0.000	0.0

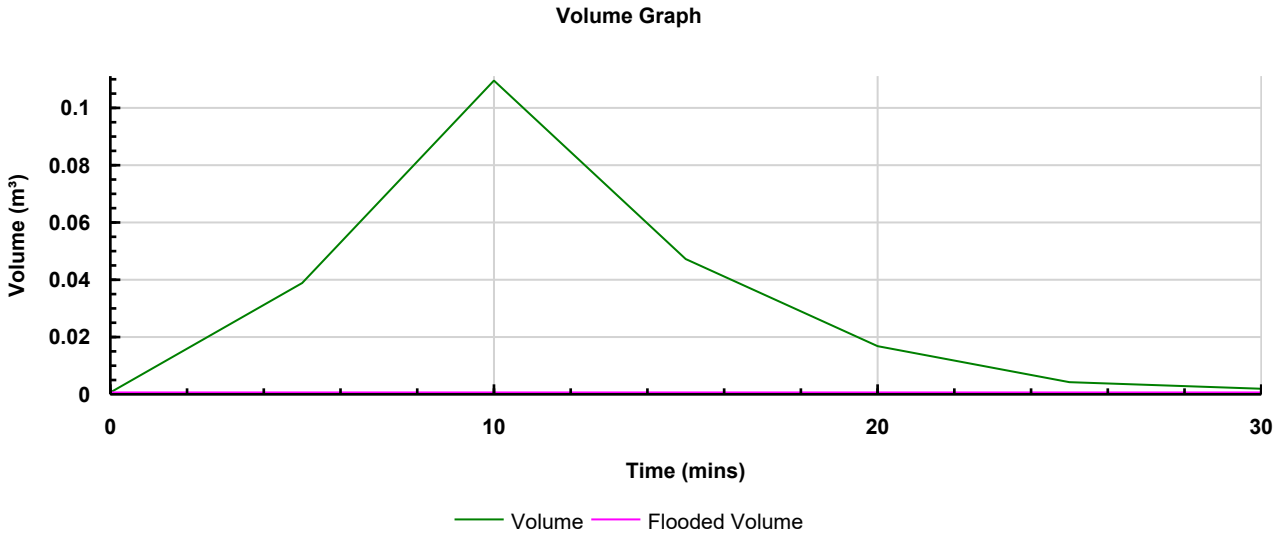
Project - 2080: Ramsbury Manor - Estate Yard	Date: 22/08/2025		
	Designed by: GB	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Company Address: AFA Consulting Engineers Ltd		

RMH03 Type : Manhole

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

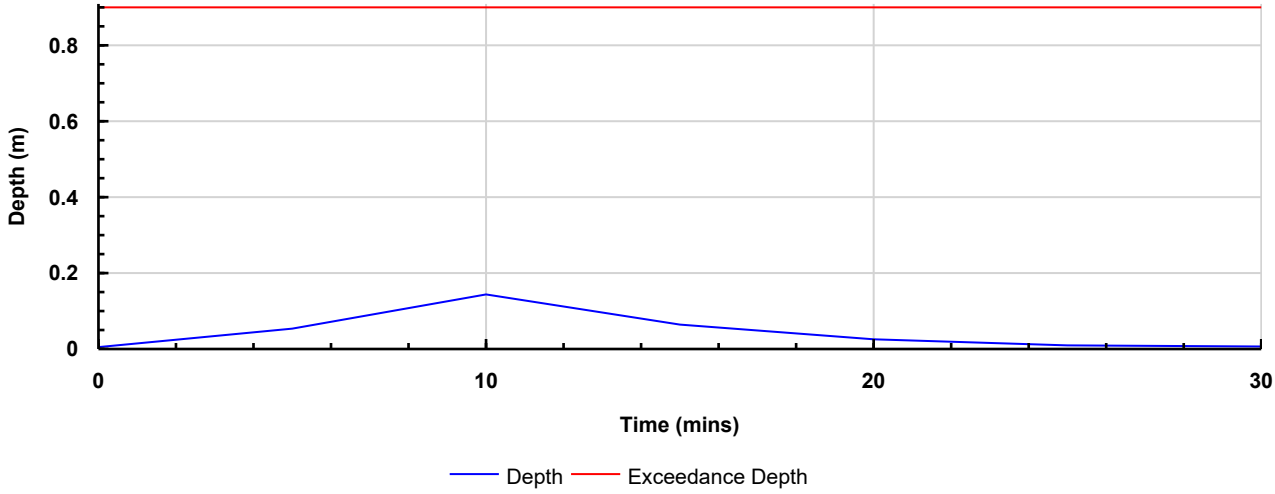
Graphs





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

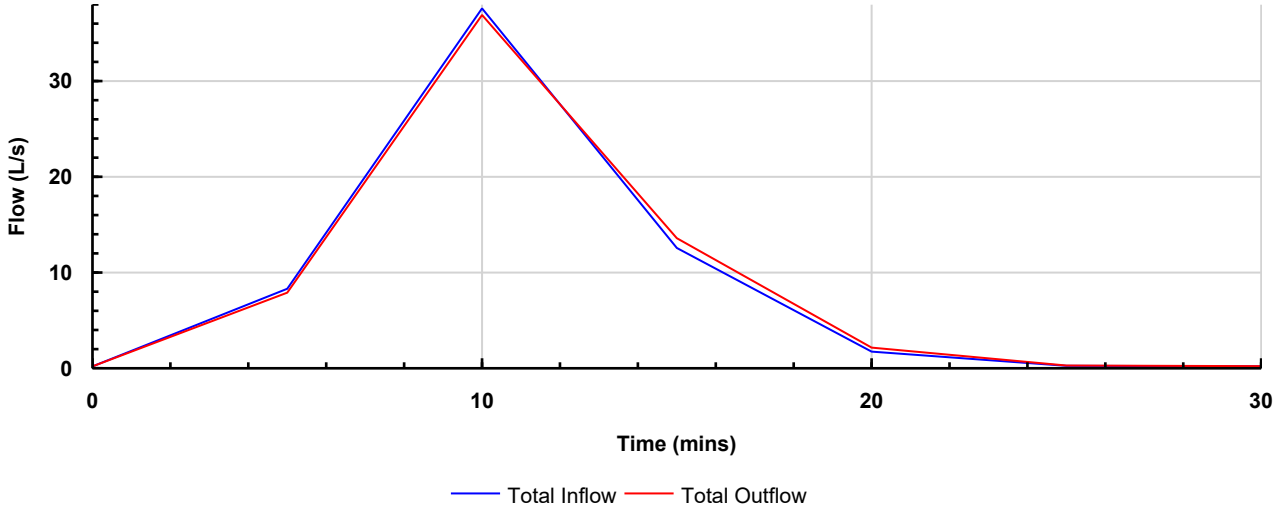
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	8.7	0.049	0.038	0.000	8.2
10	40.1	0.140	0.110	0.000	37.6
15	10.9	0.060	0.047	0.000	12.4
20	0.9	0.021	0.016	0.000	1.6
25	0.0	0.005	0.004	0.000	0.1
30	0.0	0.002	0.001	0.000	0.0

RMH02 Type : Manhole

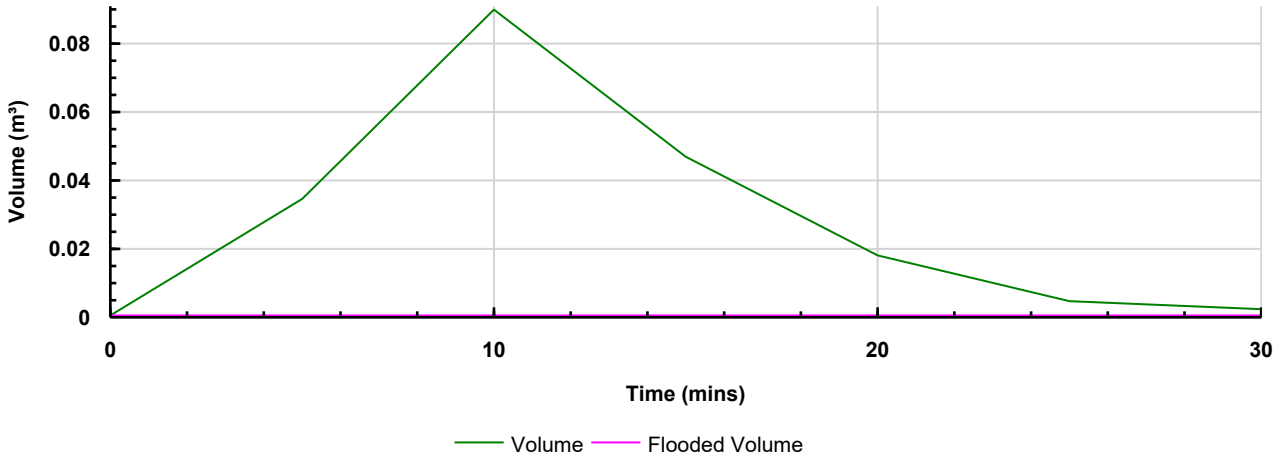
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs

Flow Graph

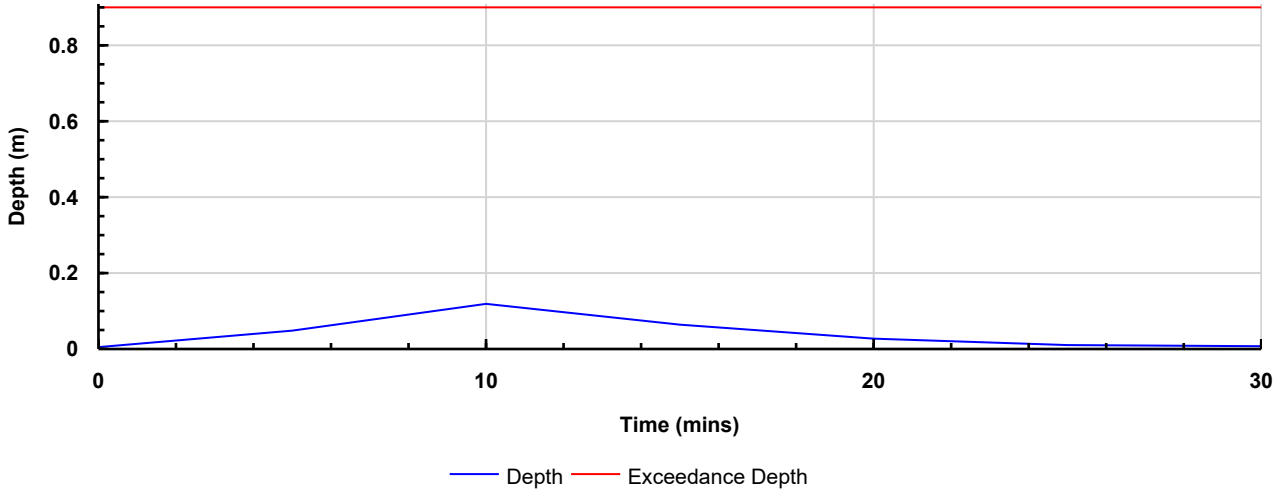


Volume Graph



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

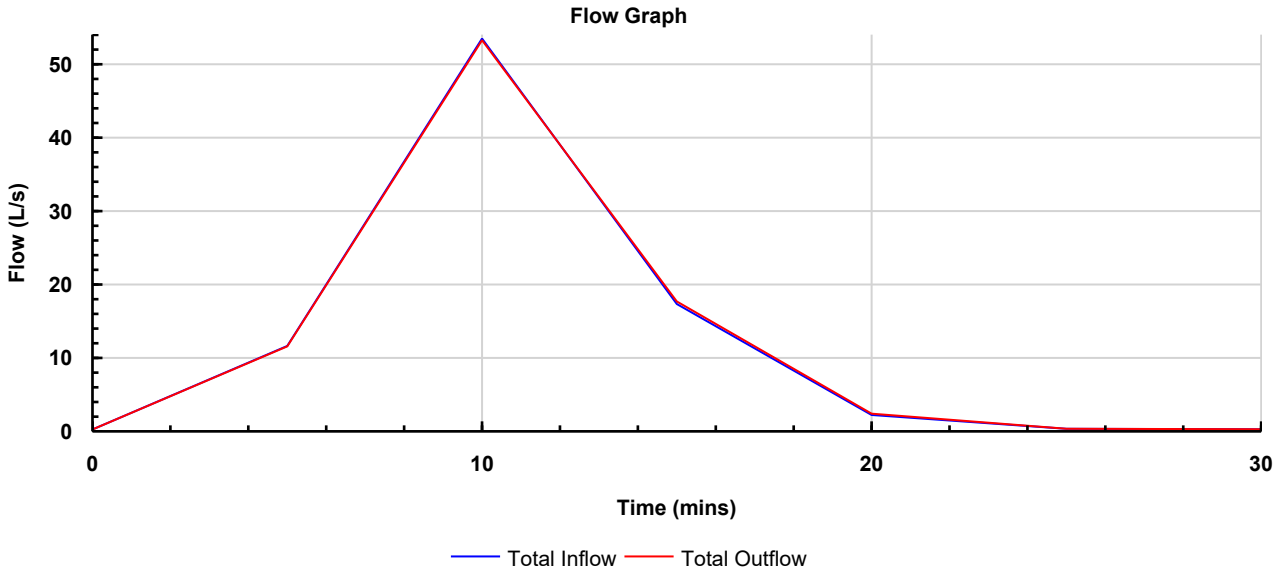
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	8.2	0.044	0.034	0.000	7.7
10	37.6	0.115	0.090	0.000	36.9
15	12.4	0.059	0.047	0.000	13.5
20	1.6	0.022	0.018	0.000	2.0
25	0.1	0.005	0.004	0.000	0.1
30	0.0	0.002	0.002	0.000	0.0

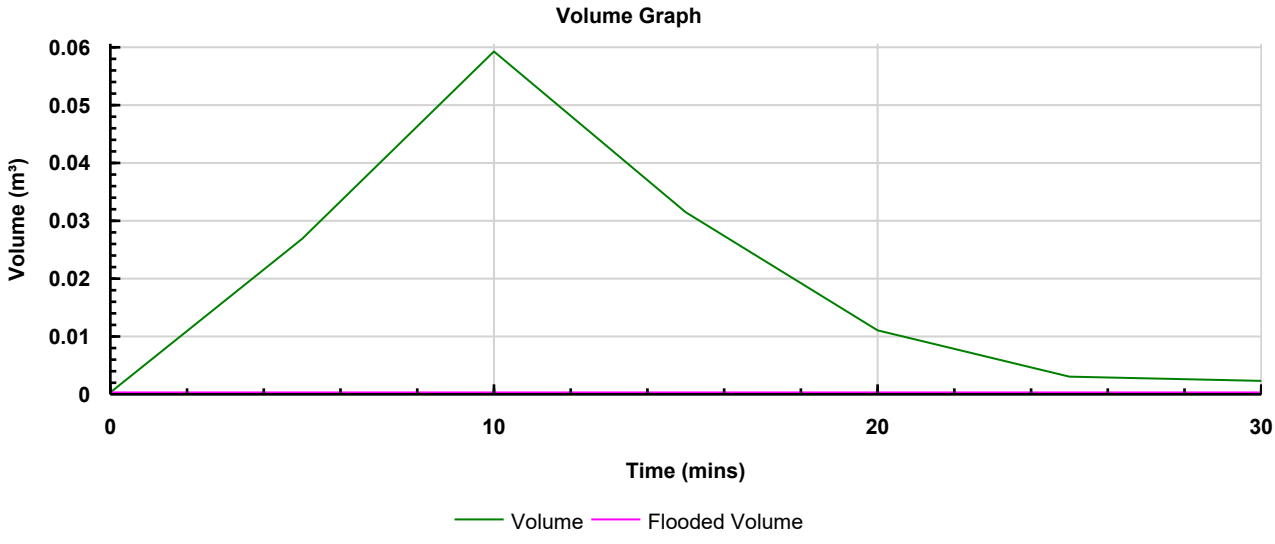
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

RMH01 Type : Manhole

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

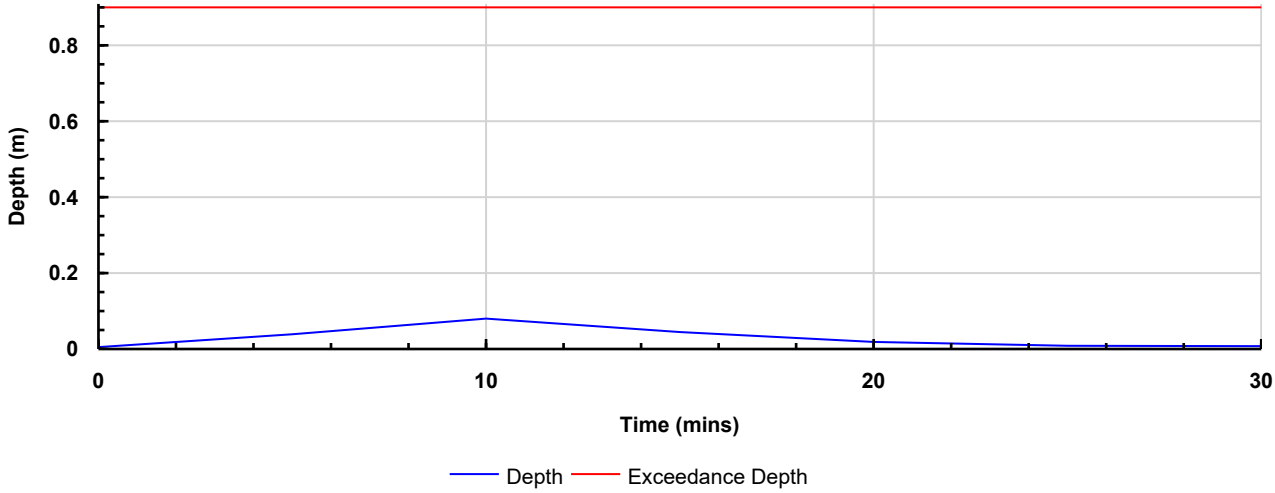
Graphs





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		

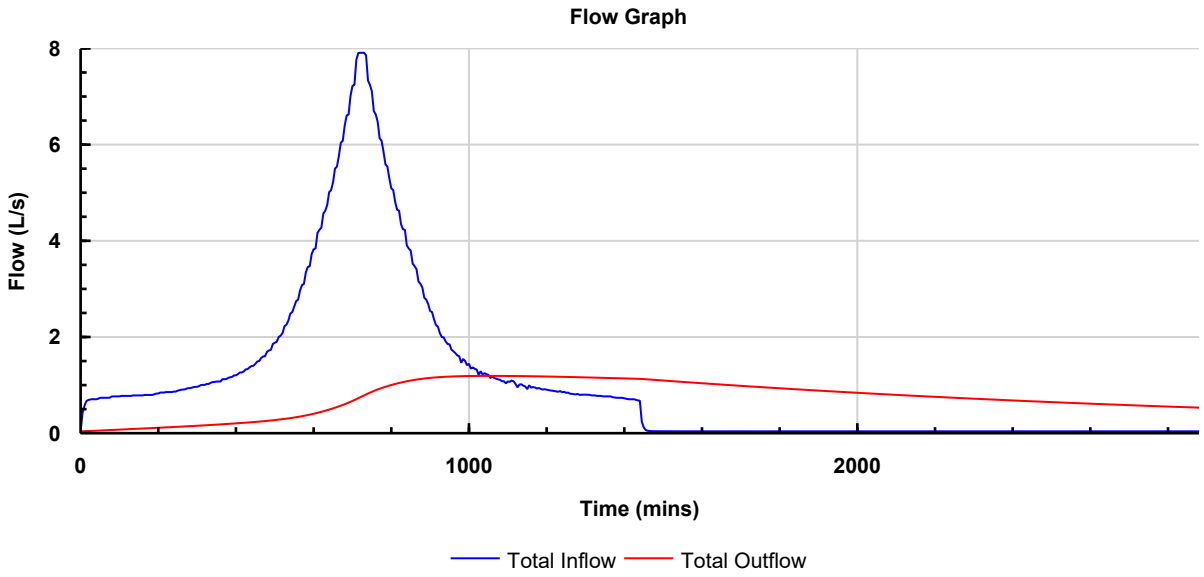
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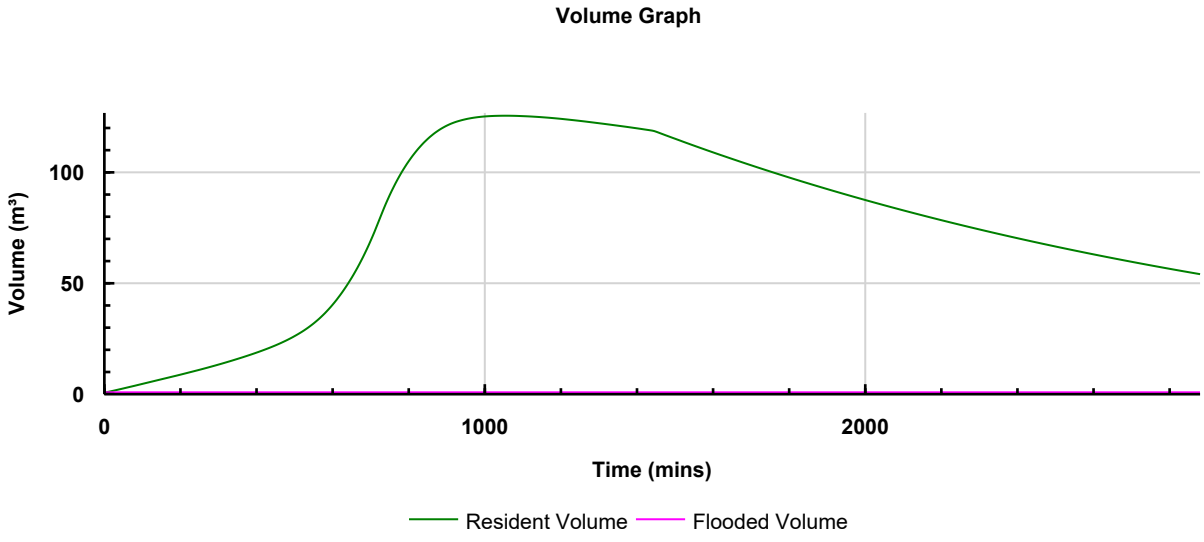
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	11.4	0.034	0.027	0.000	11.4
10	53.5	0.076	0.059	0.000	53.3
15	17.2	0.040	0.031	0.000	17.5
20	2.0	0.014	0.011	0.000	2.2
25	0.1	0.004	0.003	0.000	0.1
30	0.0	0.003	0.002	0.000	0.0

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

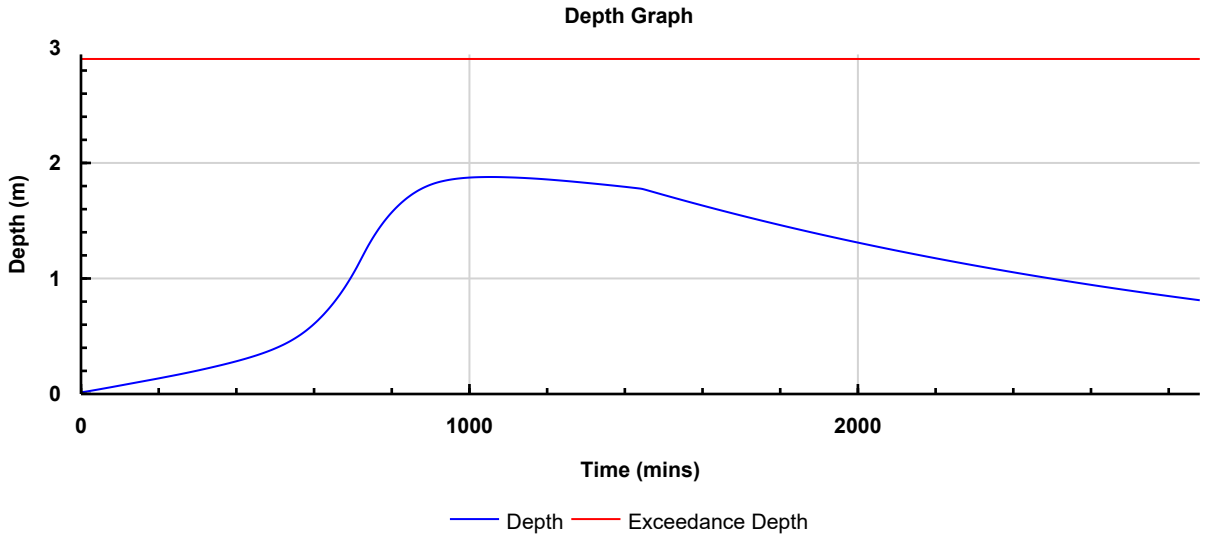
Type : Soakaway

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		

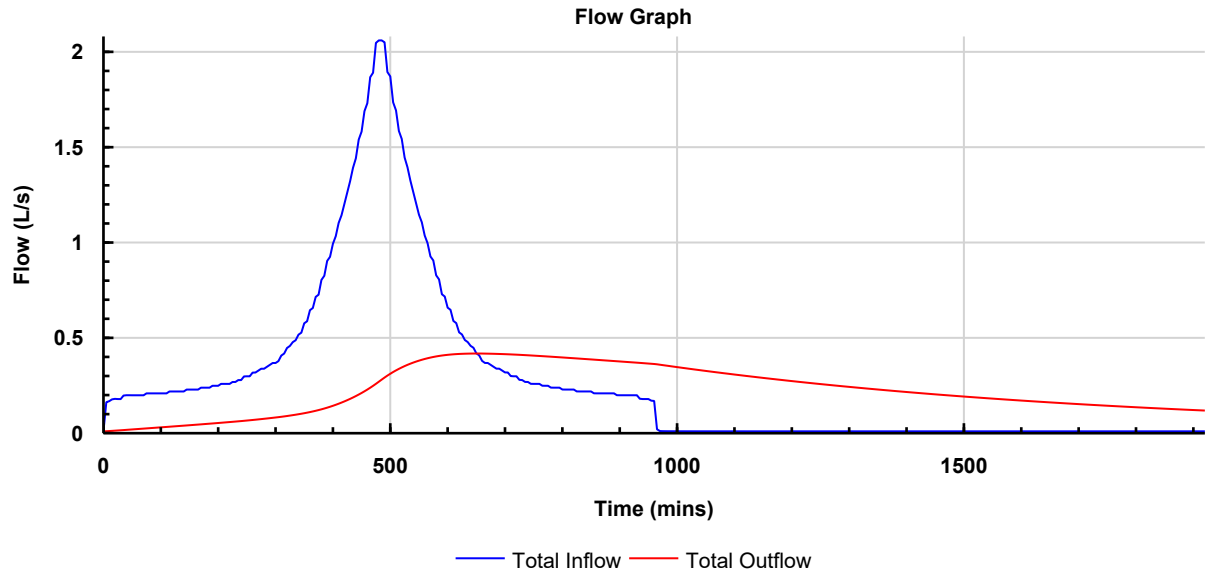
Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
2595	0.0	0.936	62.777	0.000	0.6
2600	0.0	0.934	62.604	0.000	0.6
2605	0.0	0.931	62.431	0.000	0.6
2610	0.0	0.929	62.258	0.000	0.6
2615	0.0	0.926	62.086	0.000	0.6
2620	0.0	0.923	61.915	0.000	0.6
2625	0.0	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

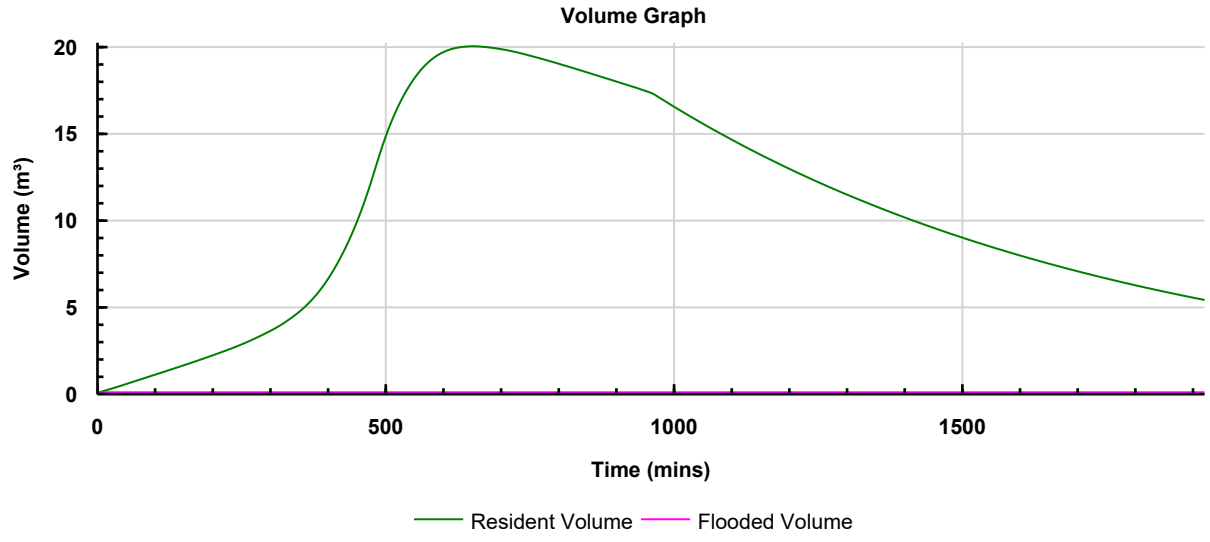
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

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

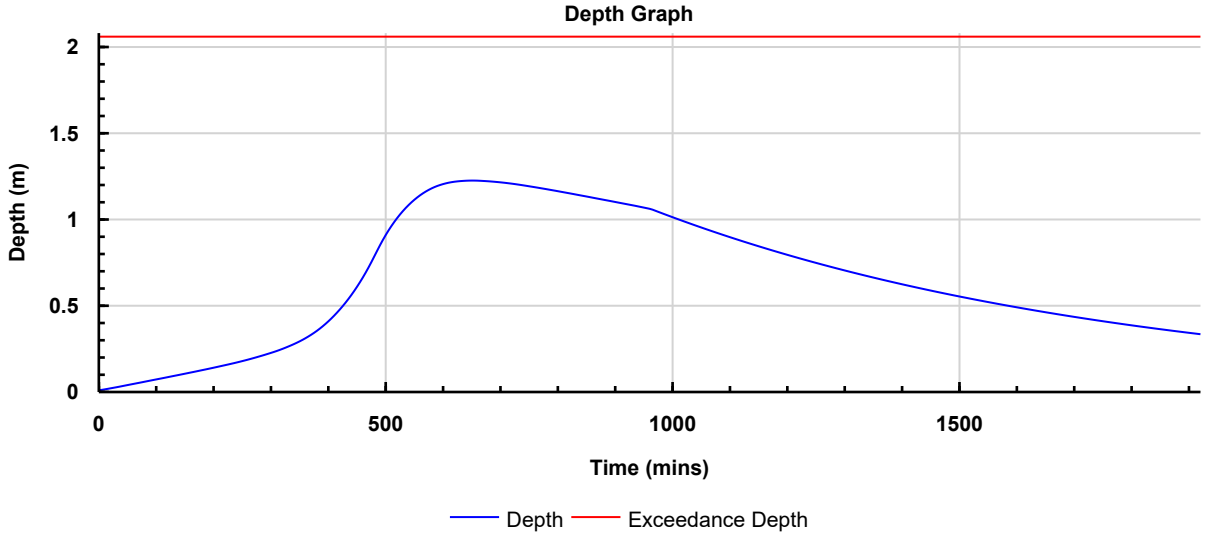
Type : Soakaway

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		

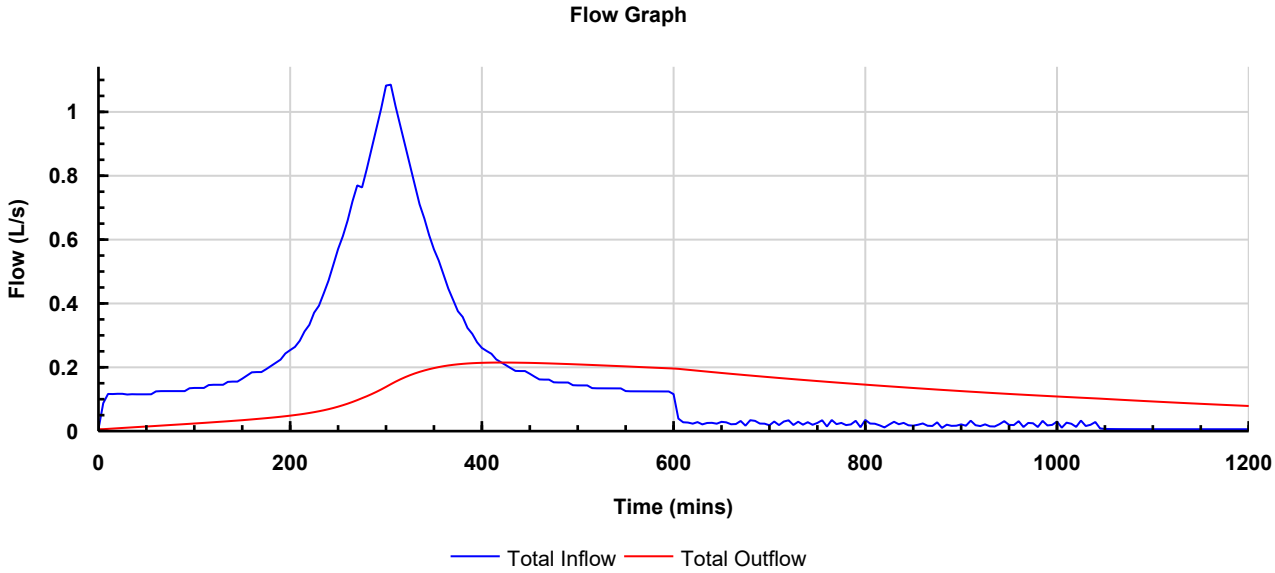
Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1725	0.0	0.414	6.798	0.000	0.1
1730	0.0	0.411	6.757	0.000	0.1
1735	0.0	0.409	6.715	0.000	0.1
1740	0.0	0.406	6.674	0.000	0.1
1745	0.0	0.404	6.633	0.000	0.1
1750	0.0	0.401	6.593	0.000	0.1
1755	0.0	0.399	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

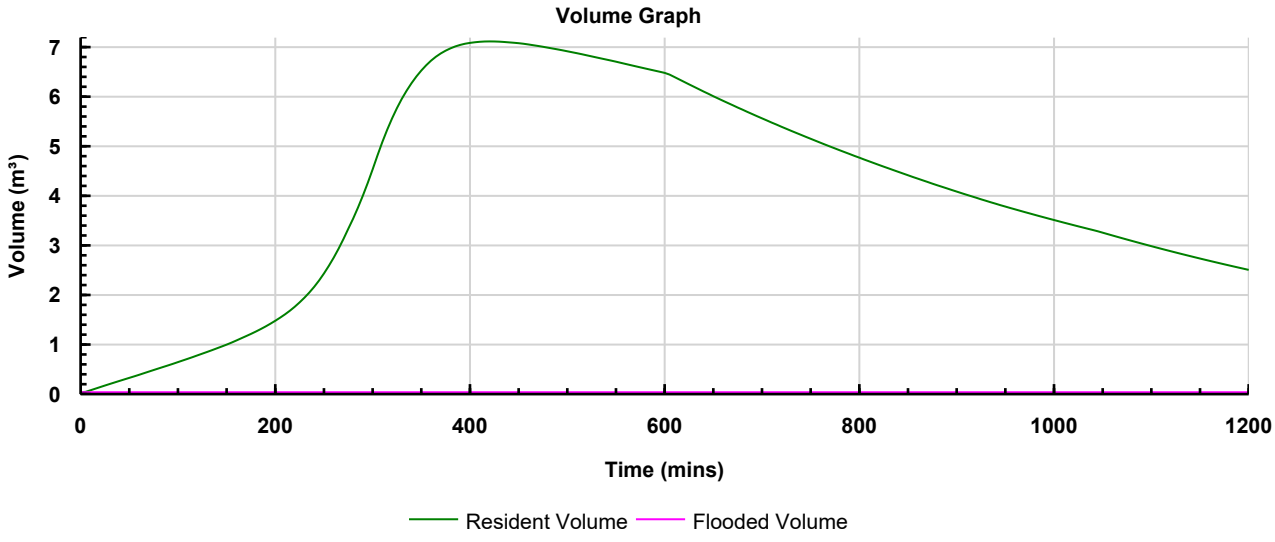
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

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

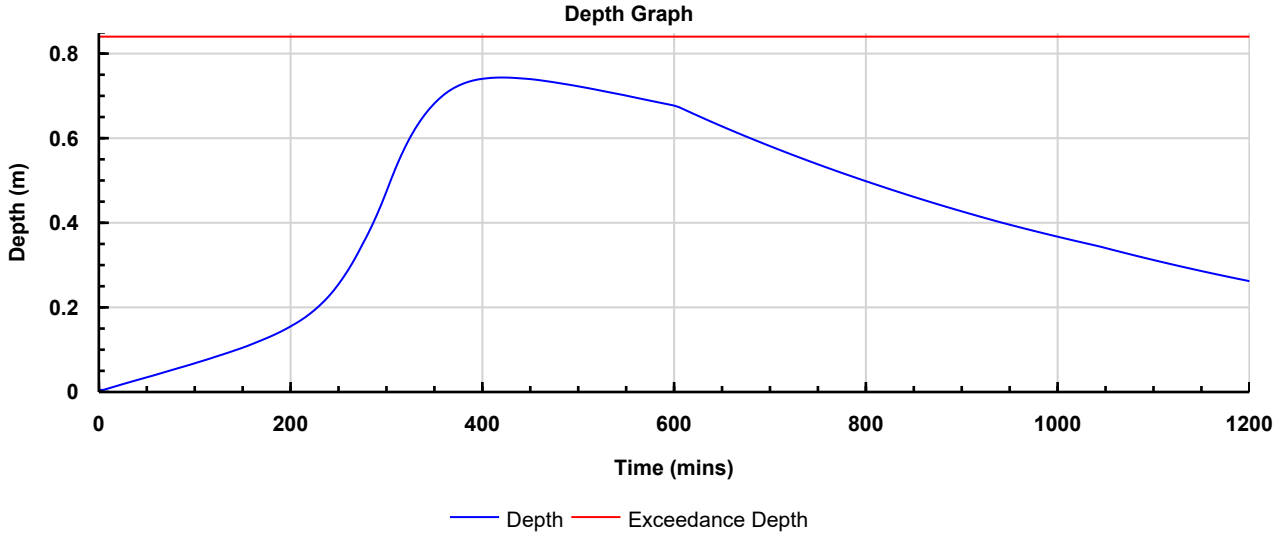
Type : Soakaway

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		

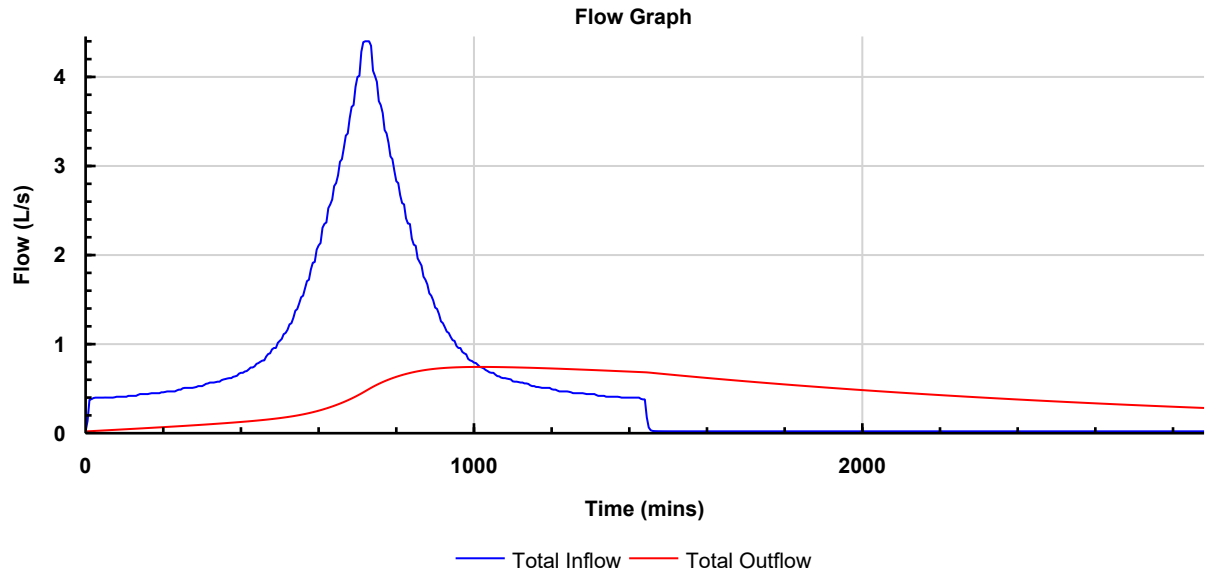
Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1145	0.0	0.285	2.735	0.000	0.1
1150	0.0	0.283	2.711	0.000	0.1
1155	0.0	0.280	2.687	0.000	0.1
1160	0.0	0.278	2.664	0.000	0.1
1165	0.0	0.276	2.640	0.000	0.1
1170	0.0	0.273	2.617	0.000	0.1
1175	0.0	0.271	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

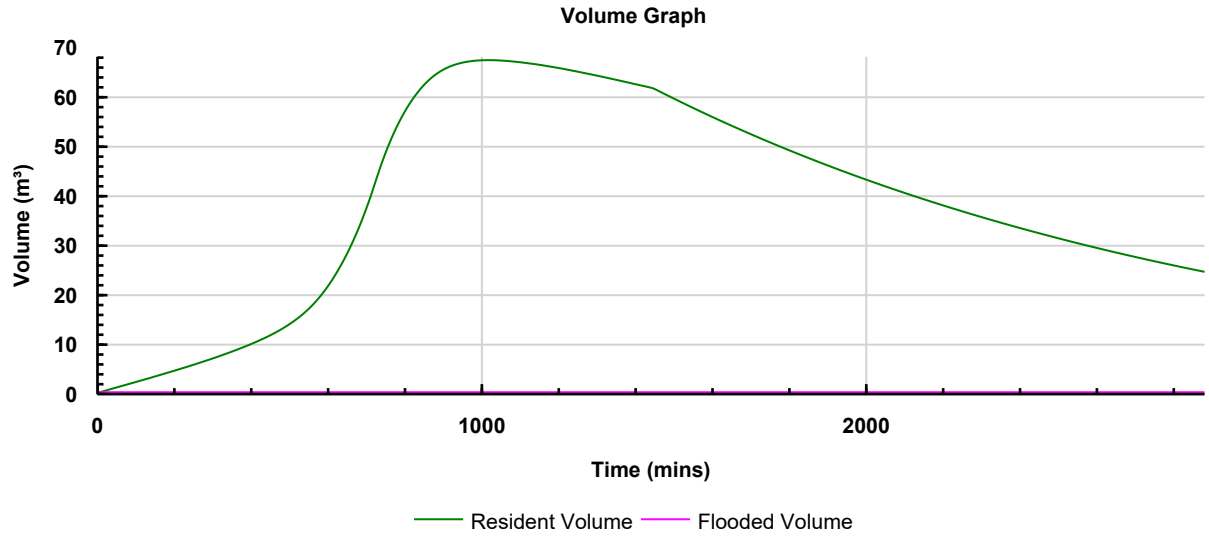
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

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

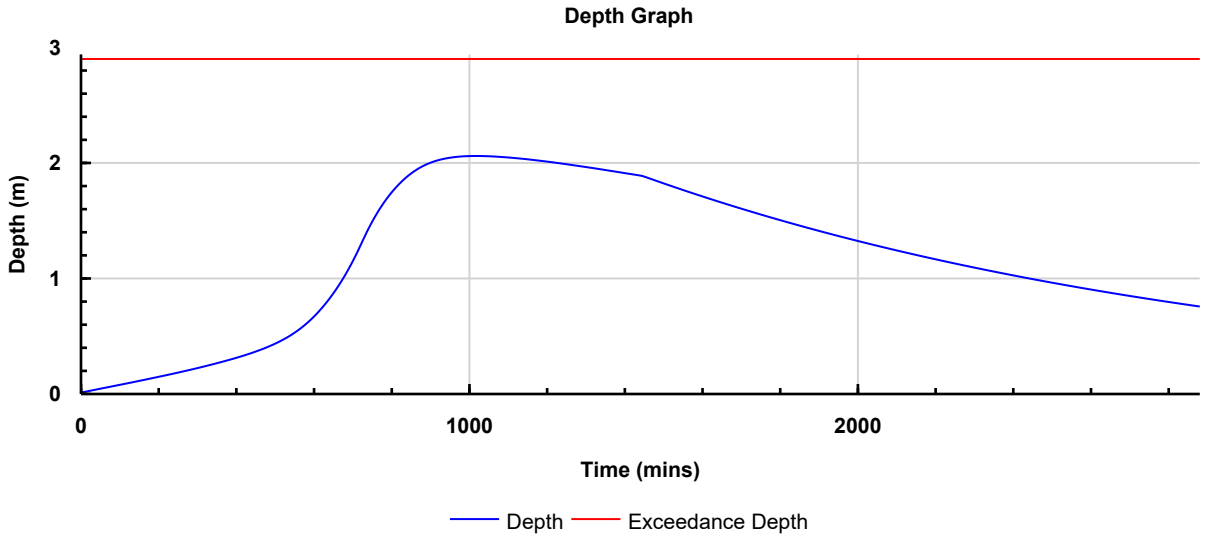
Type : Soakaway

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	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	0.000	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		
	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	1.6	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:		
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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)
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

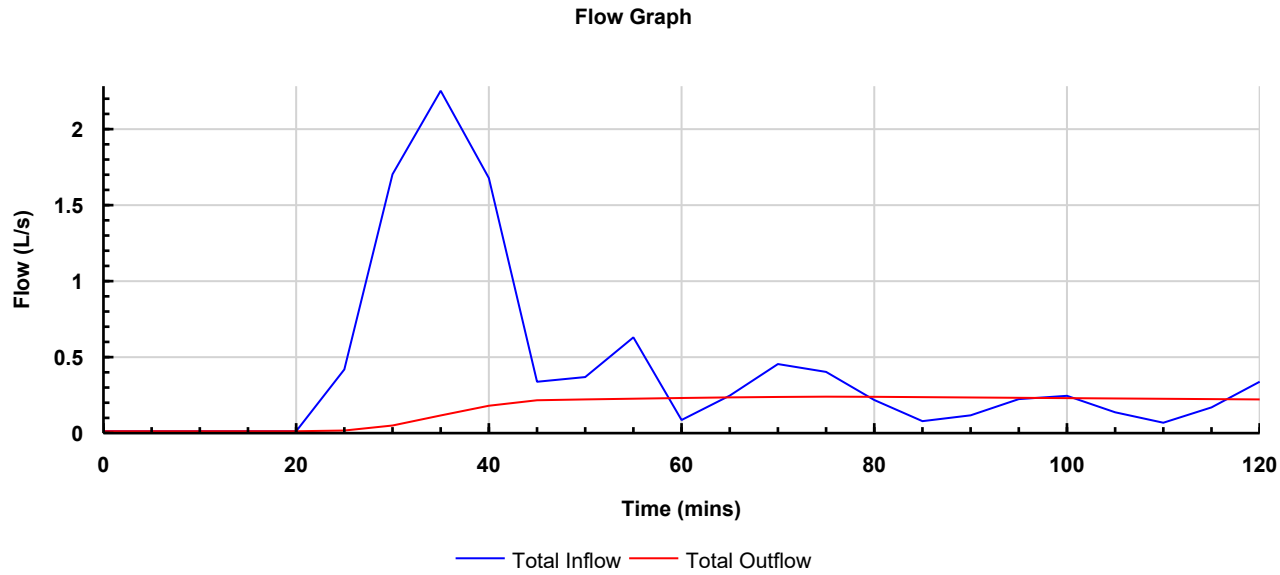
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

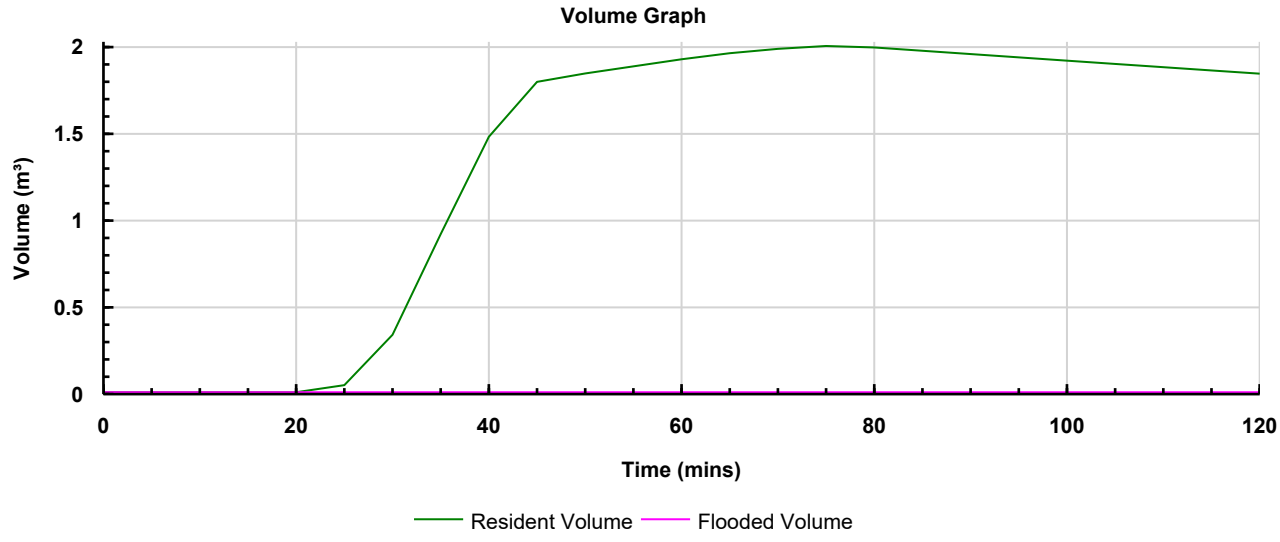
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

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

Type : Infiltration Trench

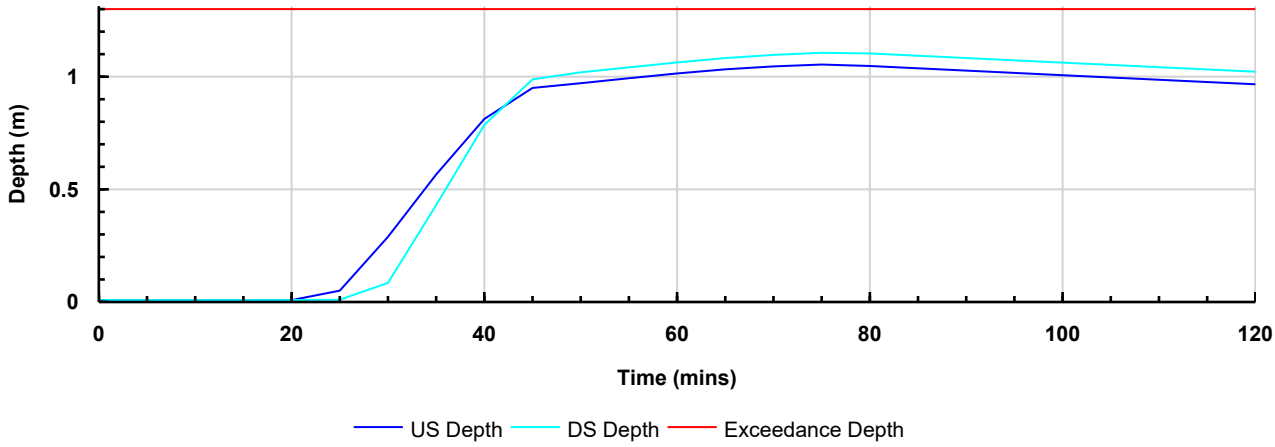
Graphs





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		

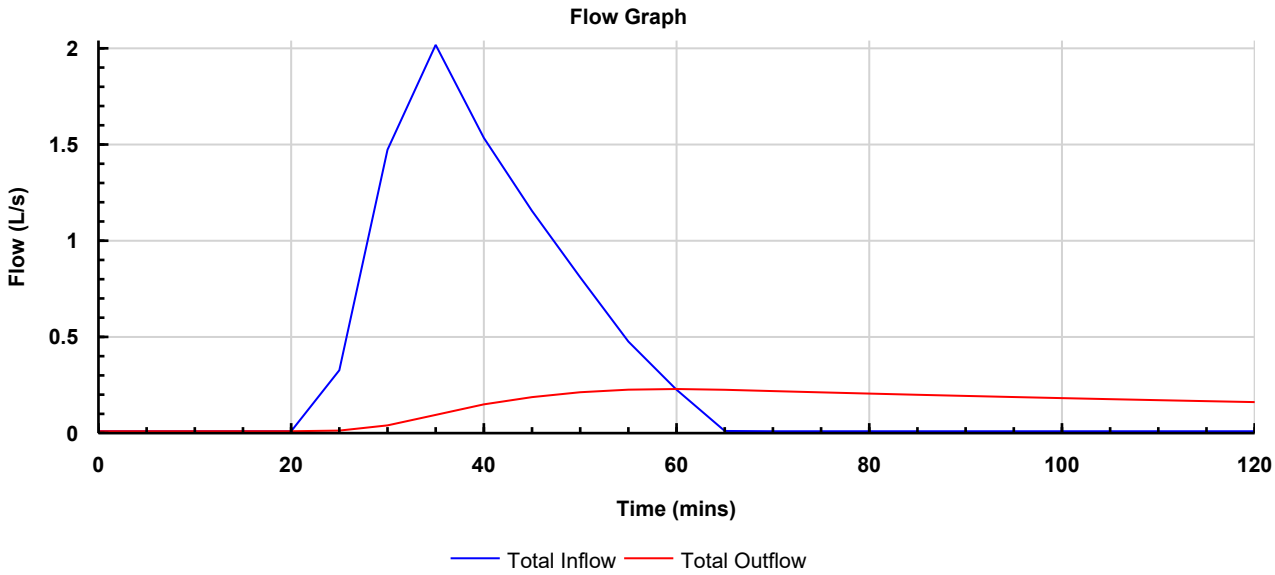
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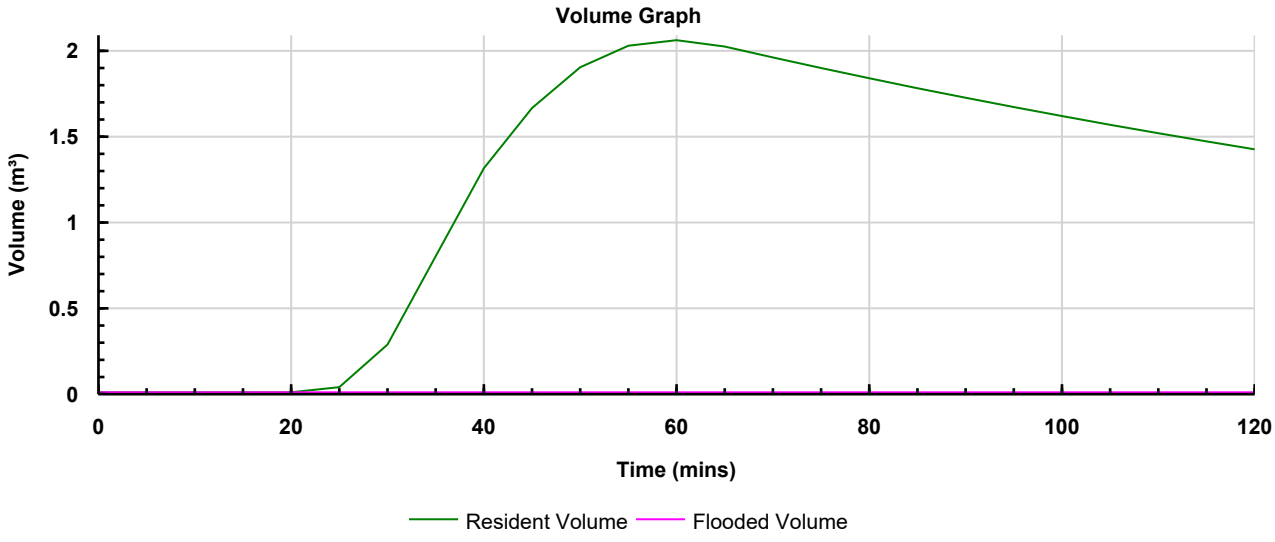
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.0	0.000	0.000	0.000	0.000	0.0
10	0.0	0.000	0.000	0.000	0.000	0.0
15	0.0	0.000	0.000	0.000	0.000	0.0
20	0.0	0.000	0.000	0.000	0.000	0.0
25	0.4	0.042	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

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

Type : Infiltration Trench

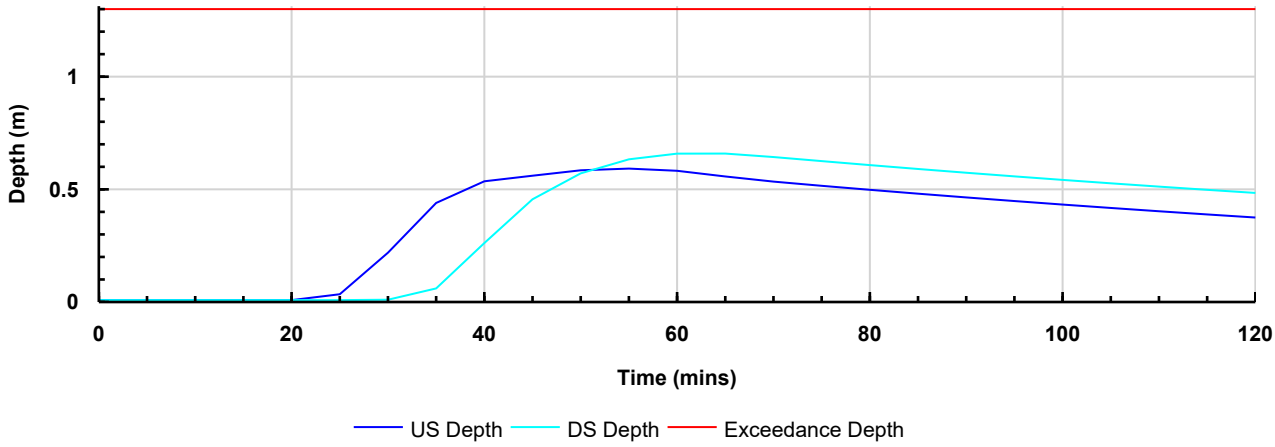
Graphs





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

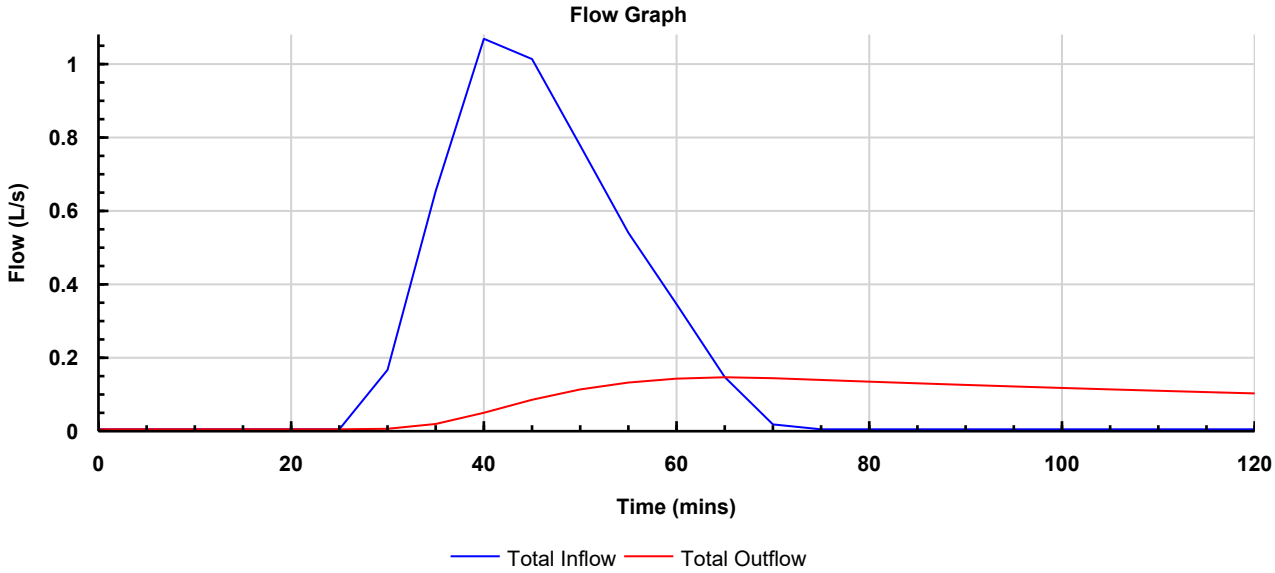
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.0	0.000	0.000	0.000	0.000	0.0
10	0.0	0.000	0.000	0.000	0.000	0.0
15	0.0	0.000	0.000	0.000	0.000	0.0
20	0.0	0.000	0.000	0.000	0.000	0.0
25	0.3	0.026	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

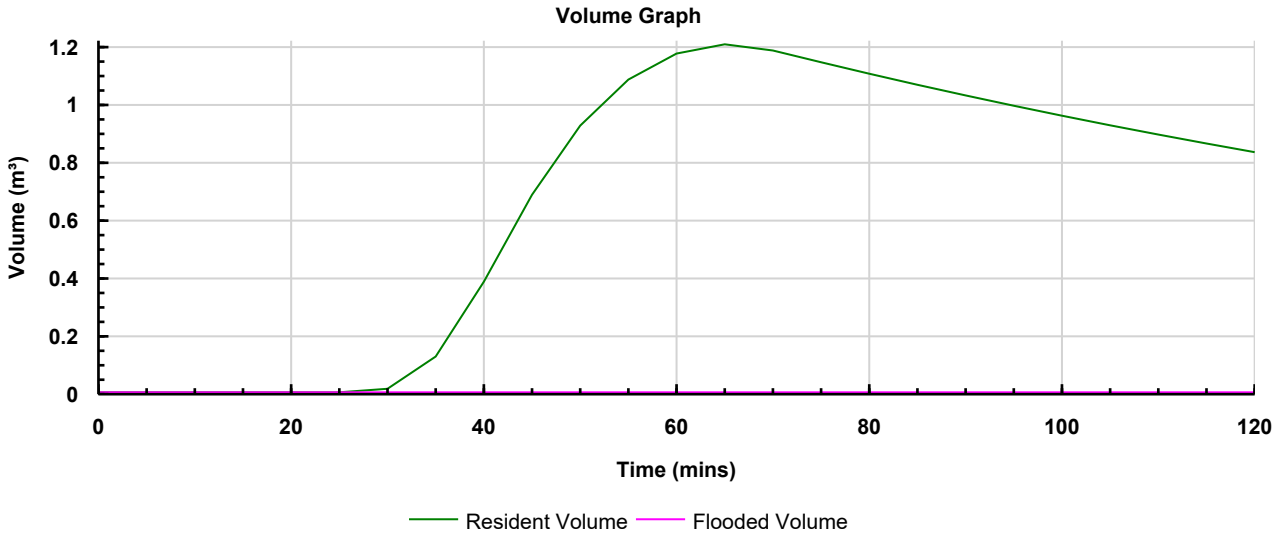
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

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

Type : Infiltration Trench

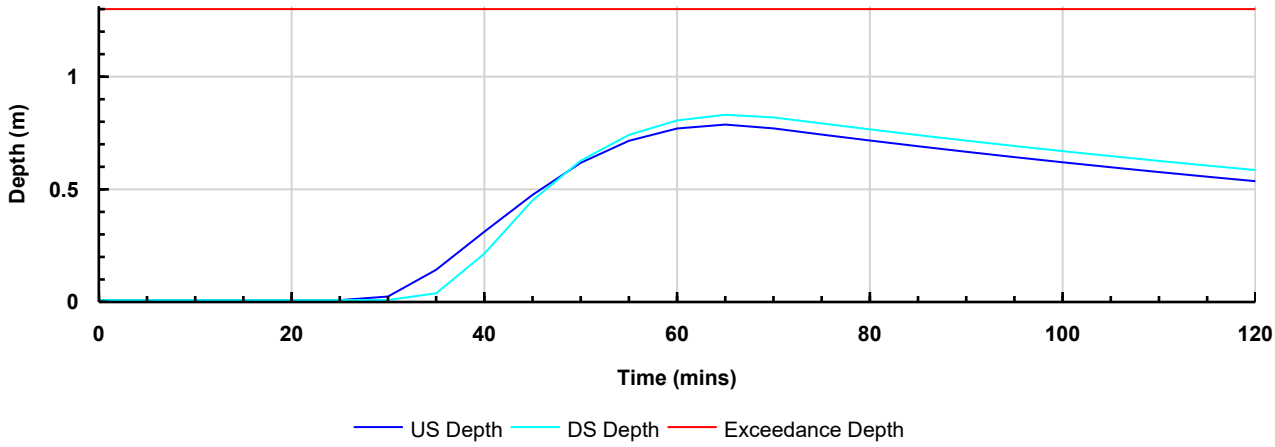
Graphs





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

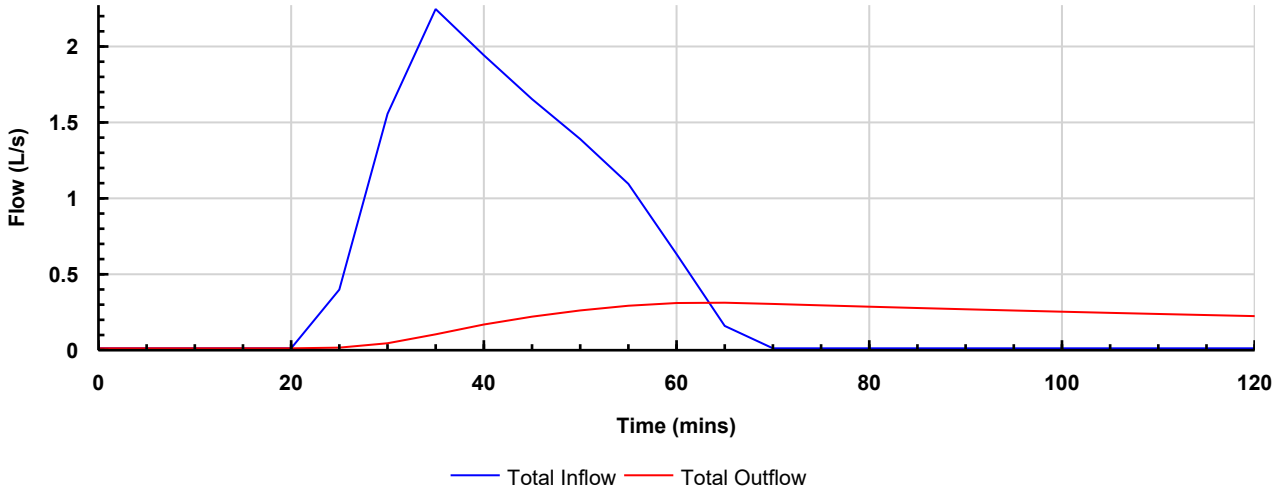
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

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

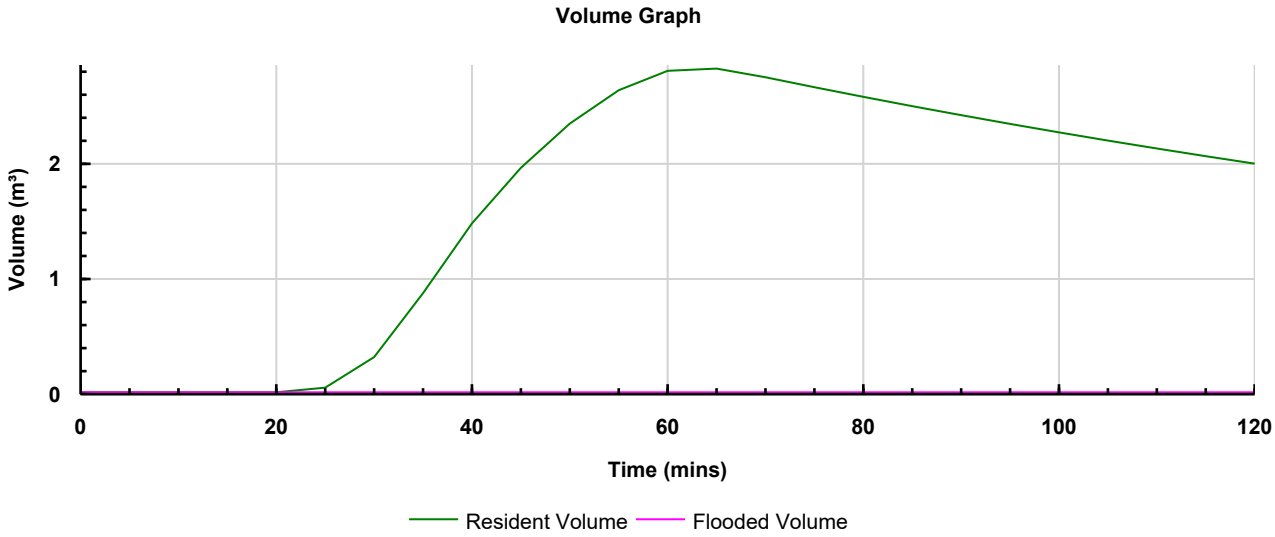
Type : Infiltration Trench

Graphs

Flow Graph

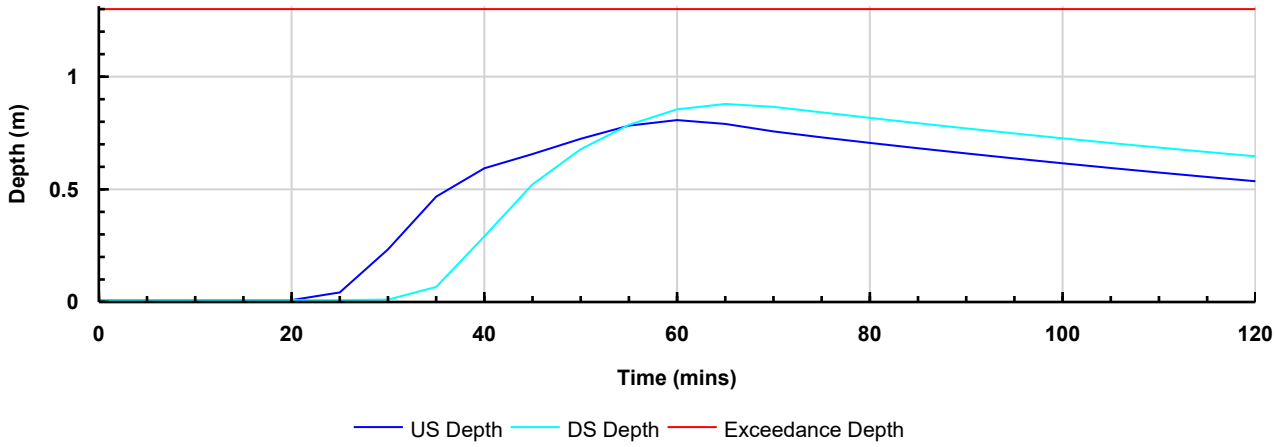


Volume Graph



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

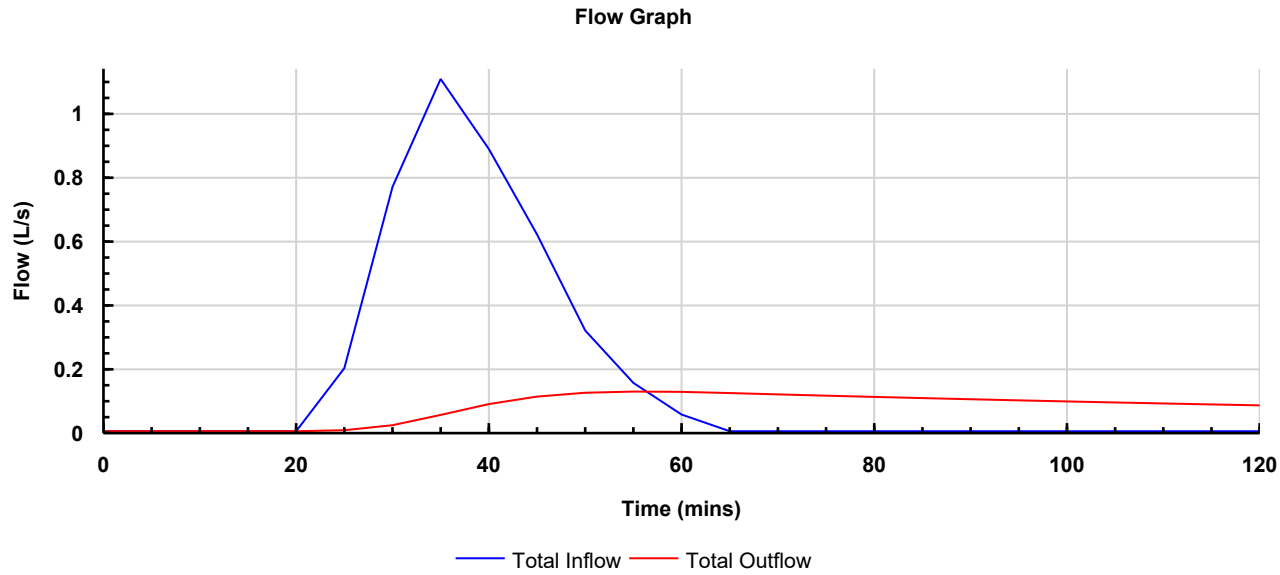
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.0	0.000	0.000	0.000	0.000	0.0
10	0.0	0.000	0.000	0.000	0.000	0.0
15	0.0	0.000	0.000	0.000	0.000	0.0
20	0.0	0.000	0.000	0.000	0.000	0.0
25	0.4	0.034	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

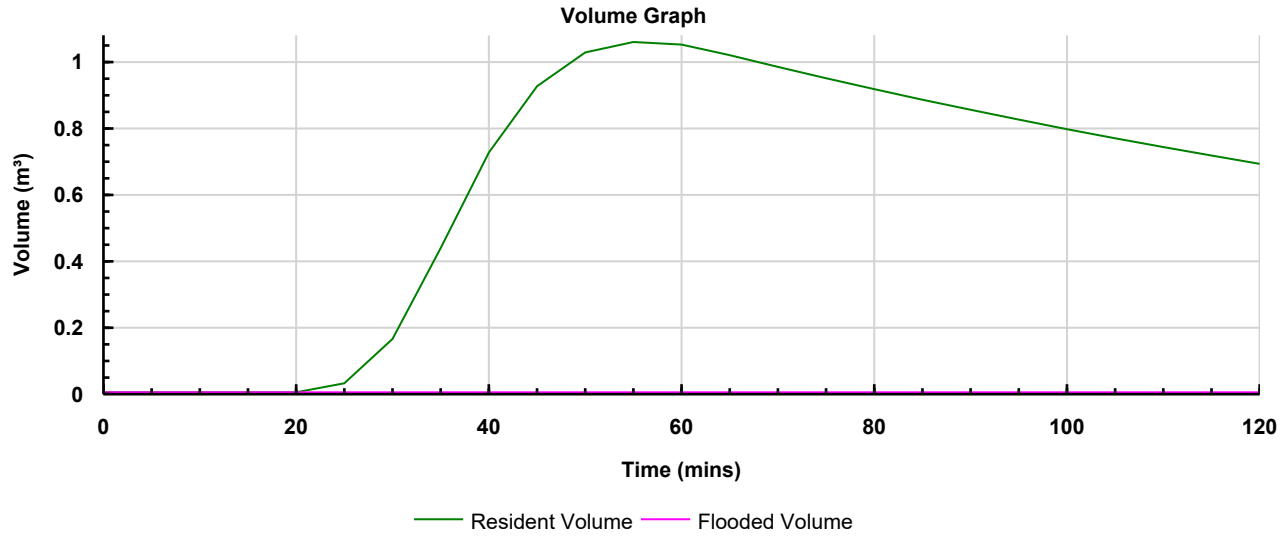
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

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

Type : Infiltration Trench

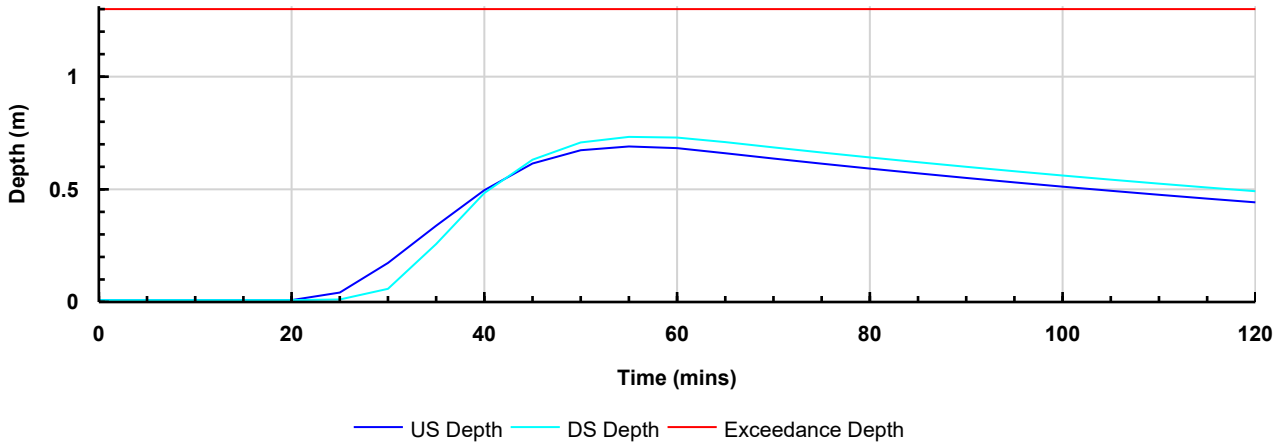
Graphs





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

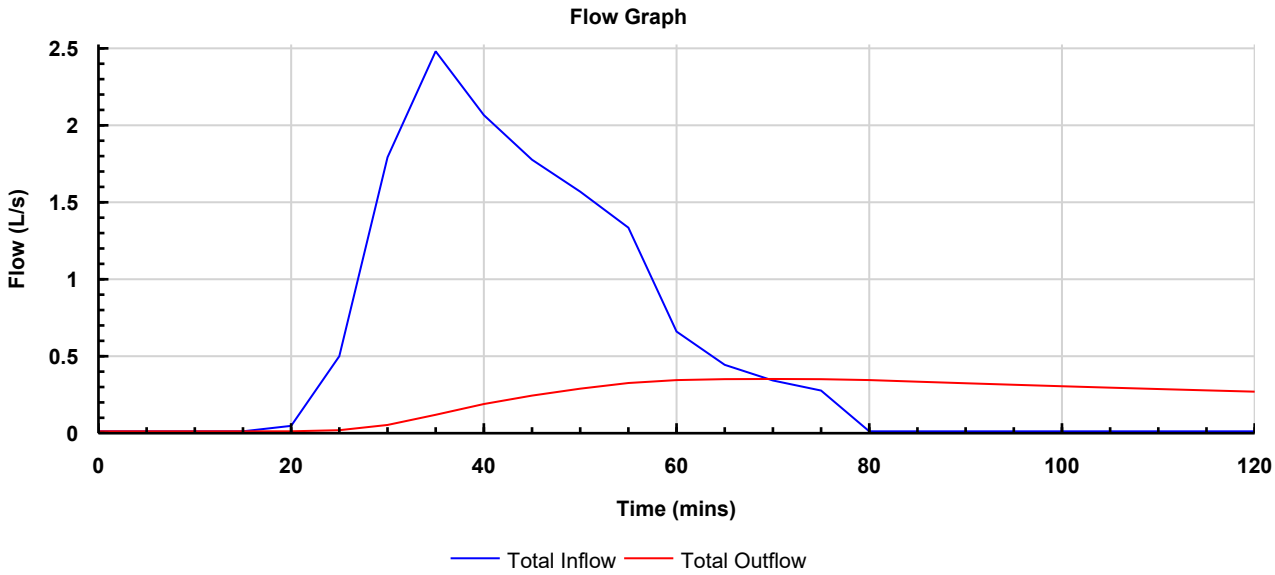
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.0	0.000	0.000	0.000	0.000	0.0
10	0.0	0.000	0.000	0.000	0.000	0.0
15	0.0	0.000	0.000	0.000	0.000	0.0
20	0.0	0.000	0.000	0.000	0.000	0.0
25	0.2	0.034	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

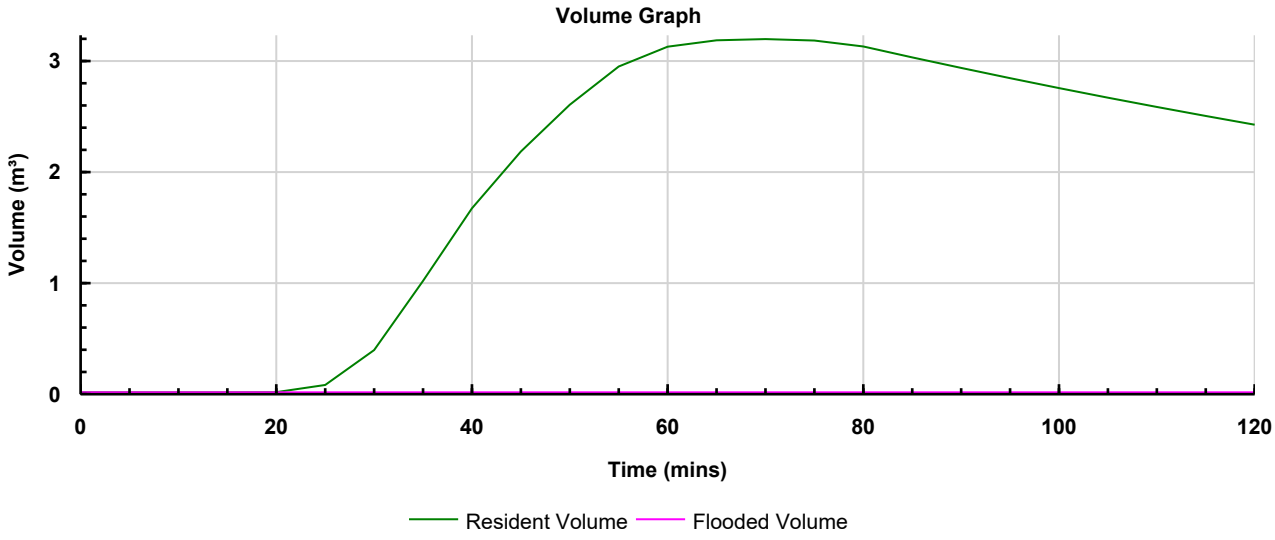
Project - 2080: Ramsbury Manor - Estate Yard	Date: 22/08/2025		
	Designed by: GB	Checked by:	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Phase	Company Address: AFA Consulting Engineers Ltd		

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

Type : Infiltration Trench

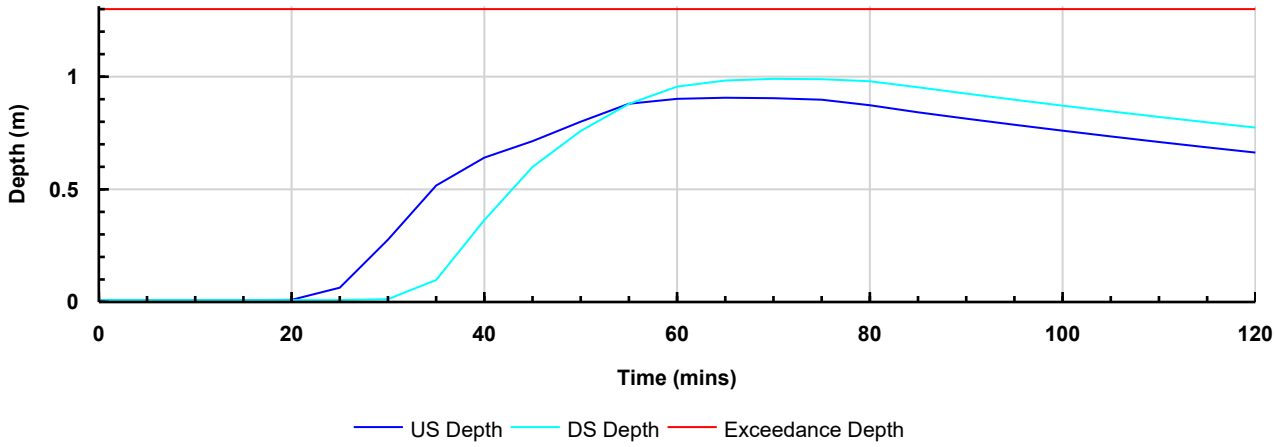
Graphs





Project - 2080:	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

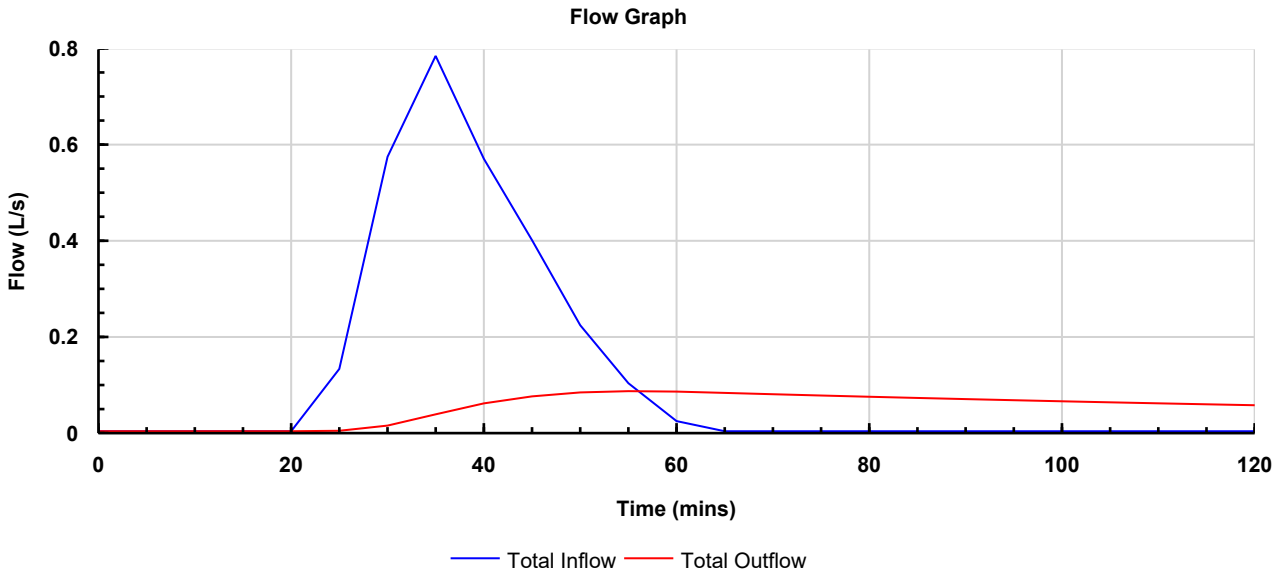
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.0	0.000	0.000	0.000	0.000	0.0
10	0.0	0.000	0.000	0.000	0.000	0.0
15	0.0	0.000	0.000	0.000	0.000	0.0
20	0.0	0.001	0.000	0.001	0.000	0.0
25	0.5	0.056	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

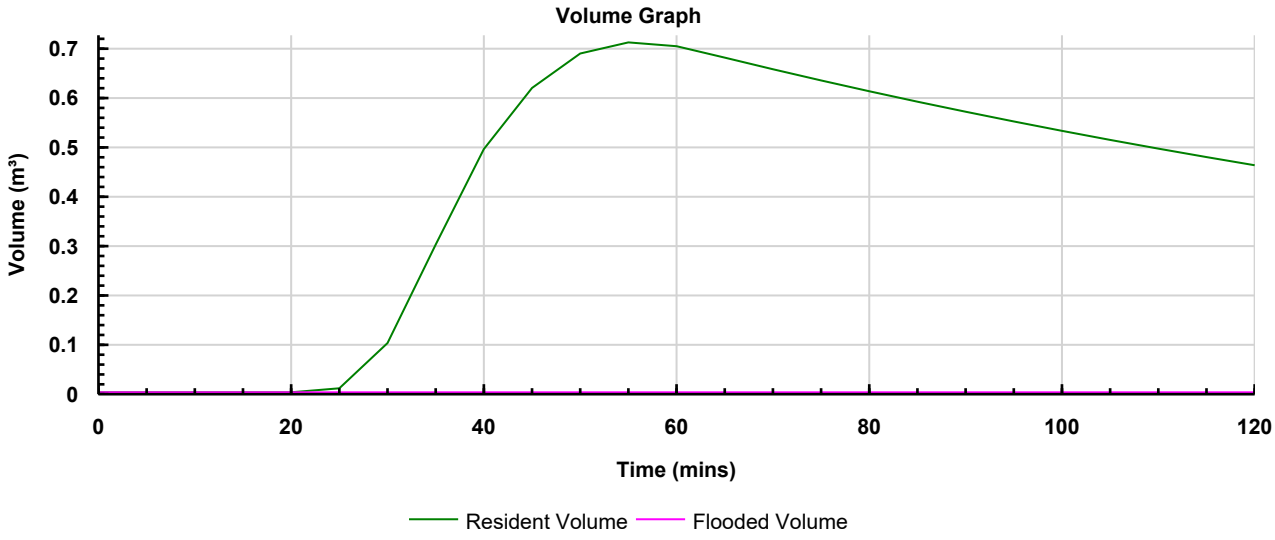
Project - 2080: Ramsbury Manor - Estate Yard	Date: 22/08/2025		
	Designed by: GB	Checked by:	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Phase	Company Address: AFA Consulting Engineers Ltd		

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

Type : Infiltration Trench

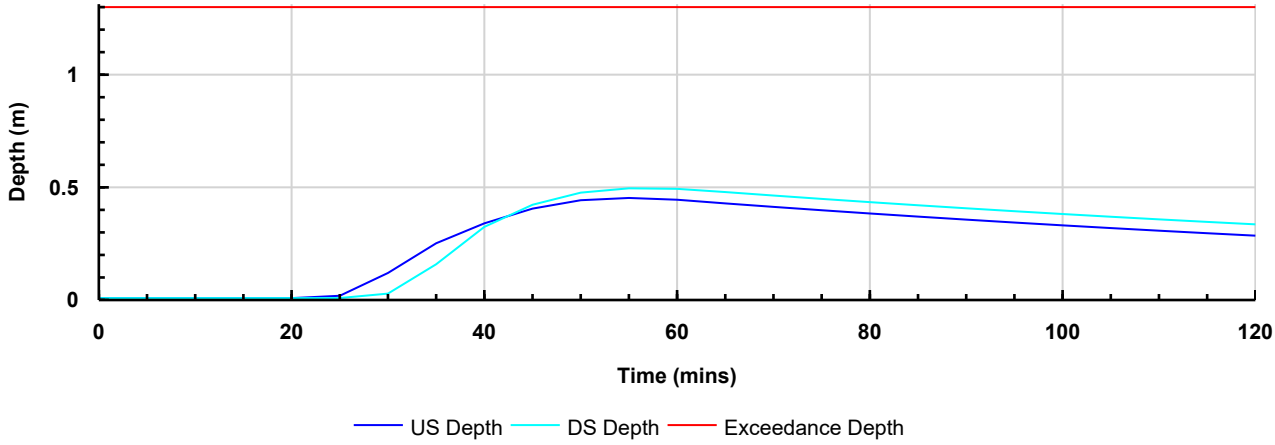
Graphs





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

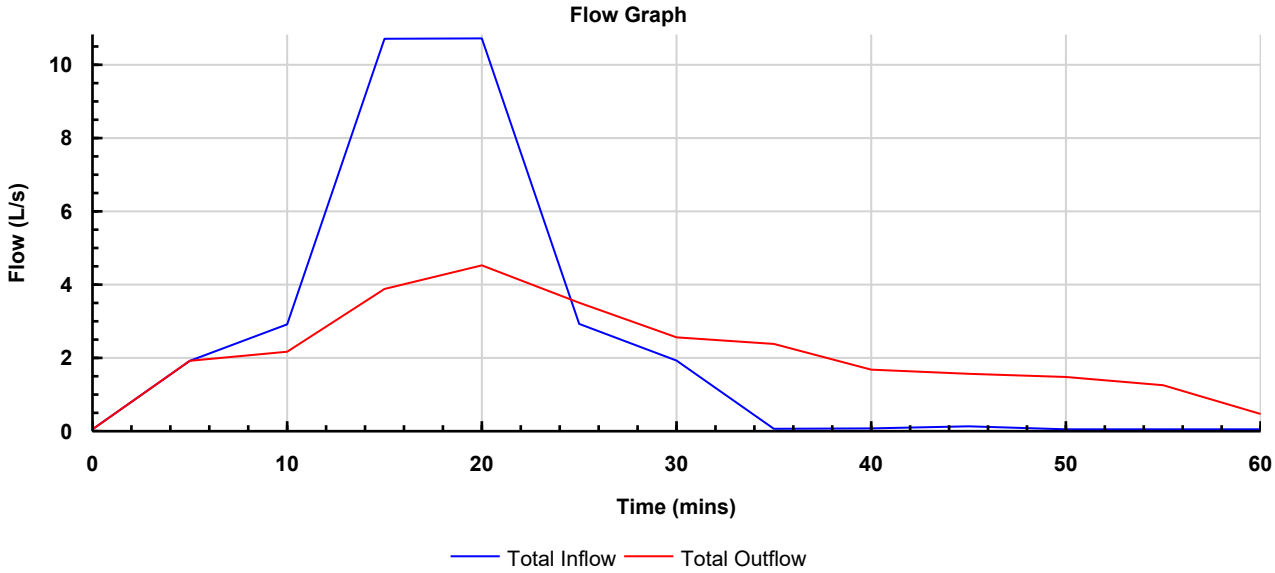
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.0	0.000	0.000	0.000	0.000	0.0
10	0.0	0.000	0.000	0.000	0.000	0.0
15	0.0	0.000	0.000	0.000	0.000	0.0
20	0.0	0.000	0.000	0.000	0.000	0.0
25	0.1	0.010	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

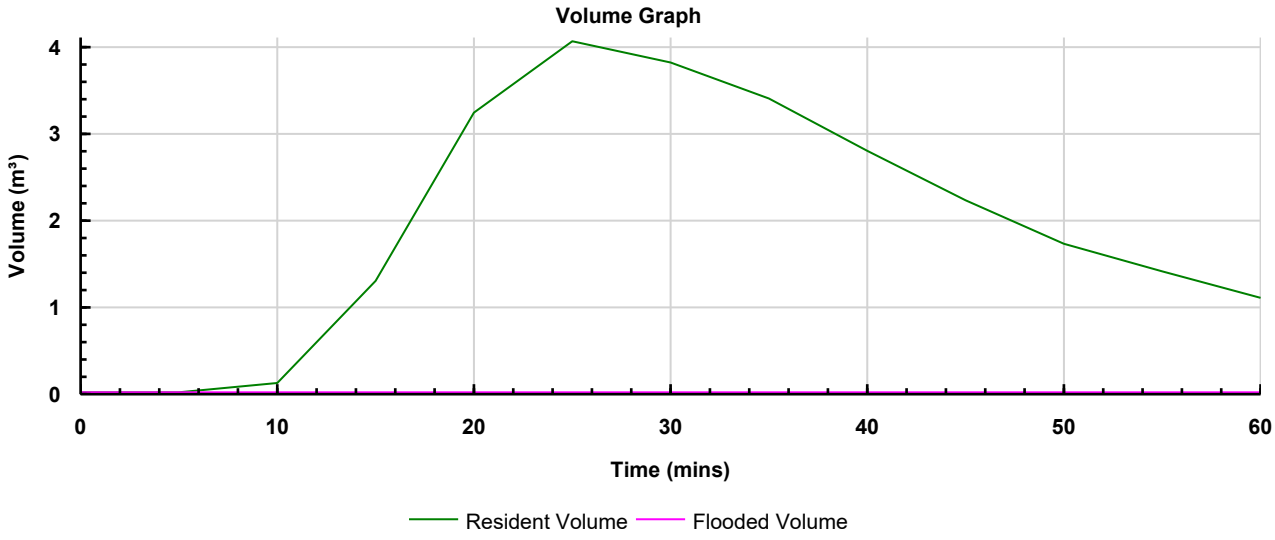
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

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

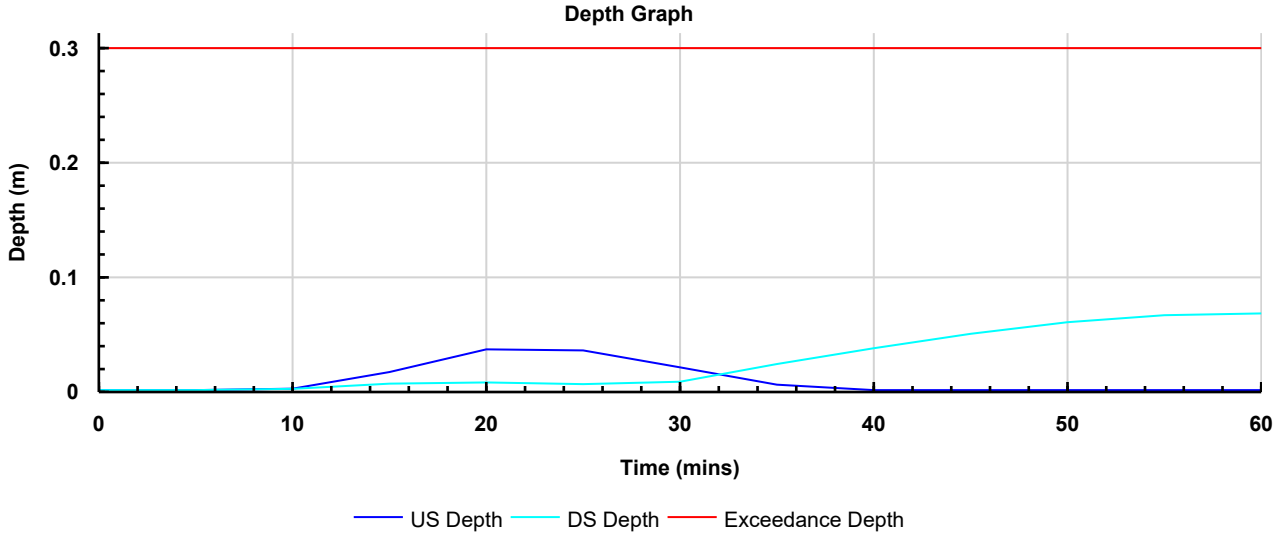
Type : Porous Paving

Graphs





Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	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		

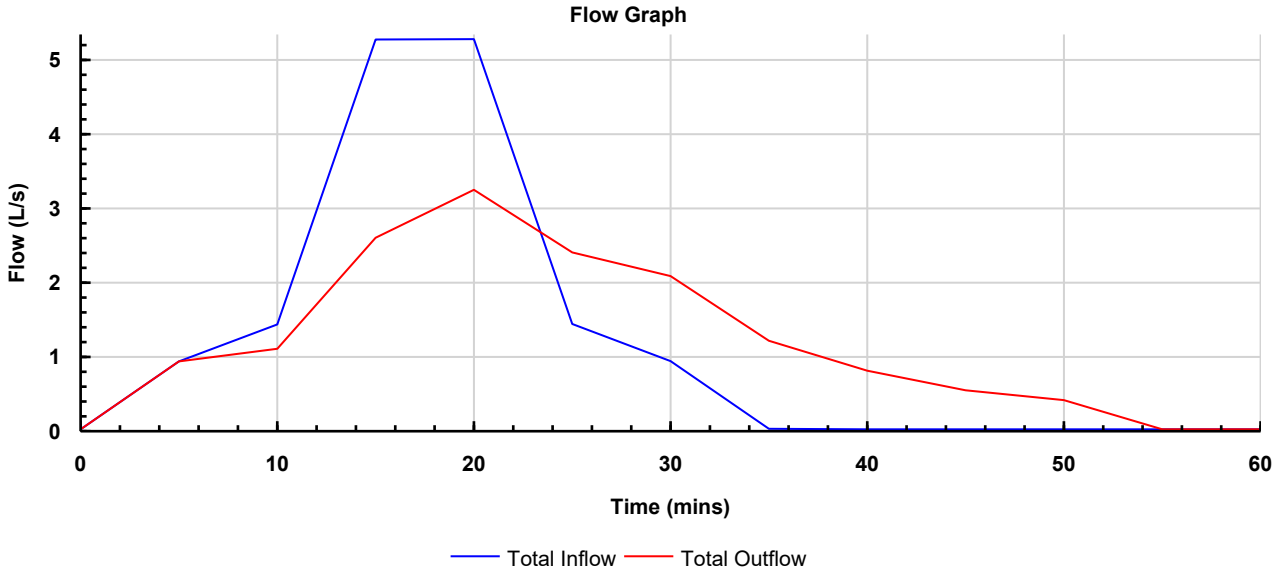
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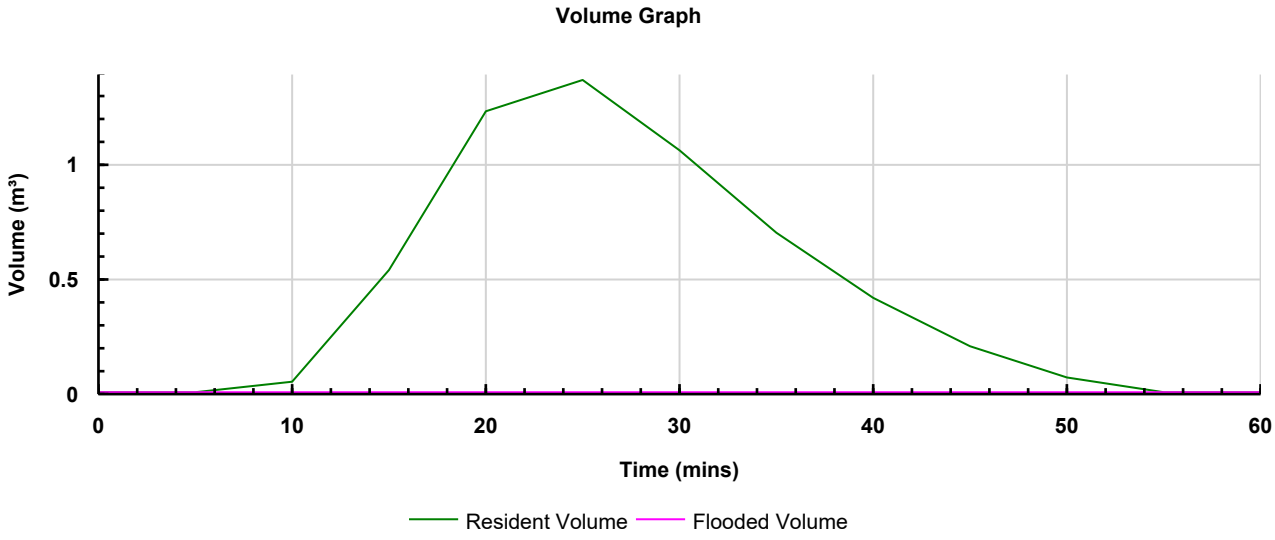
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	1.9	0.000	0.000	0.000	0.000	1.9
10	2.9	0.001	0.001	0.108	0.000	2.1
15	10.7	0.016	0.006	1.291	0.000	3.8
20	10.7	0.036	0.007	3.240	0.000	4.5
25	2.9	0.035	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

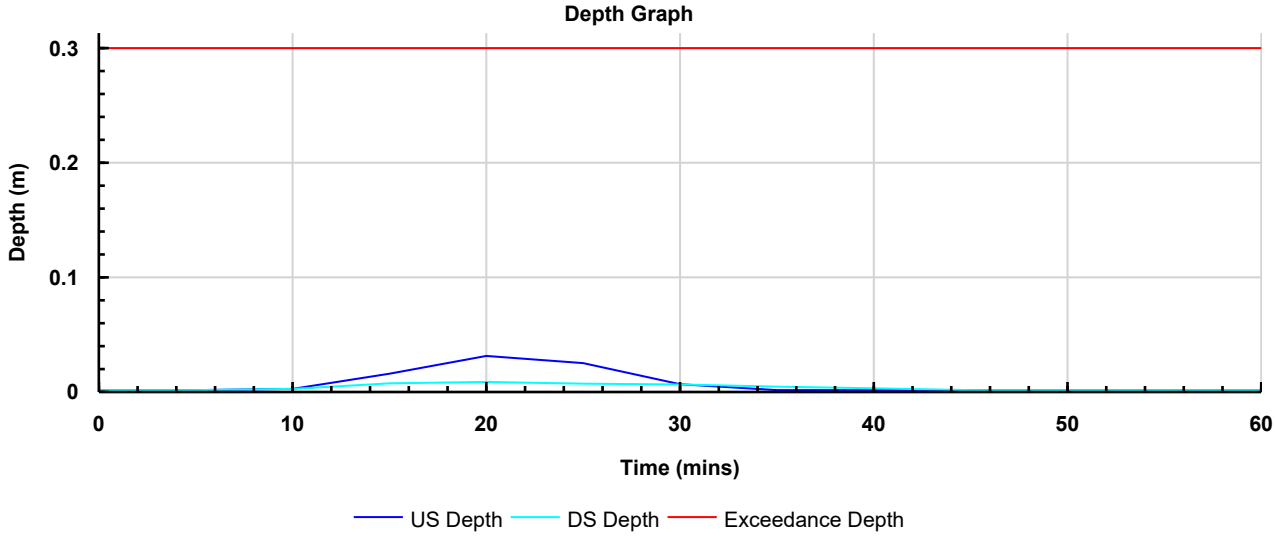
Type : Porous Paving

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

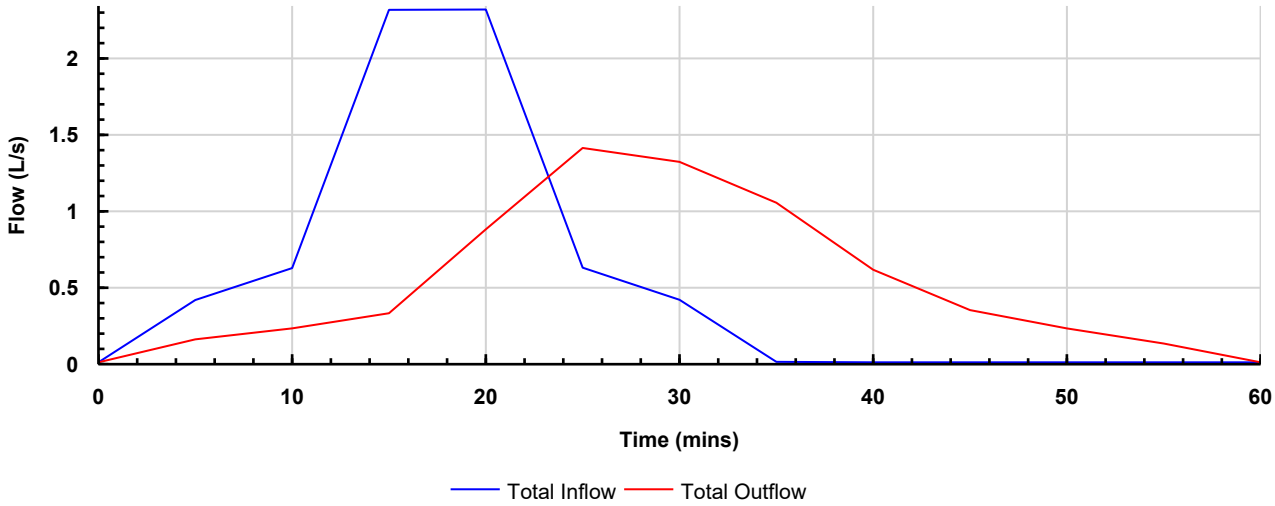
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.9	0.000	0.000	0.000	0.000	0.9
10	1.4	0.001	0.001	0.046	0.000	1.1
15	5.3	0.014	0.006	0.536	0.000	2.6
20	5.3	0.030	0.007	1.232	0.000	3.2
25	1.4	0.024	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

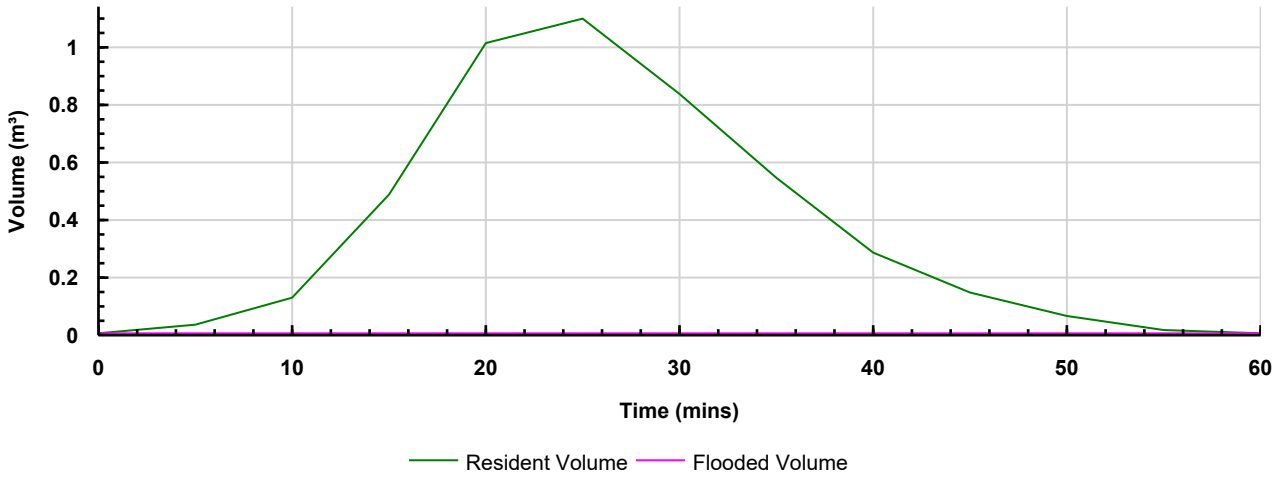
Type : Porous Paving

Graphs

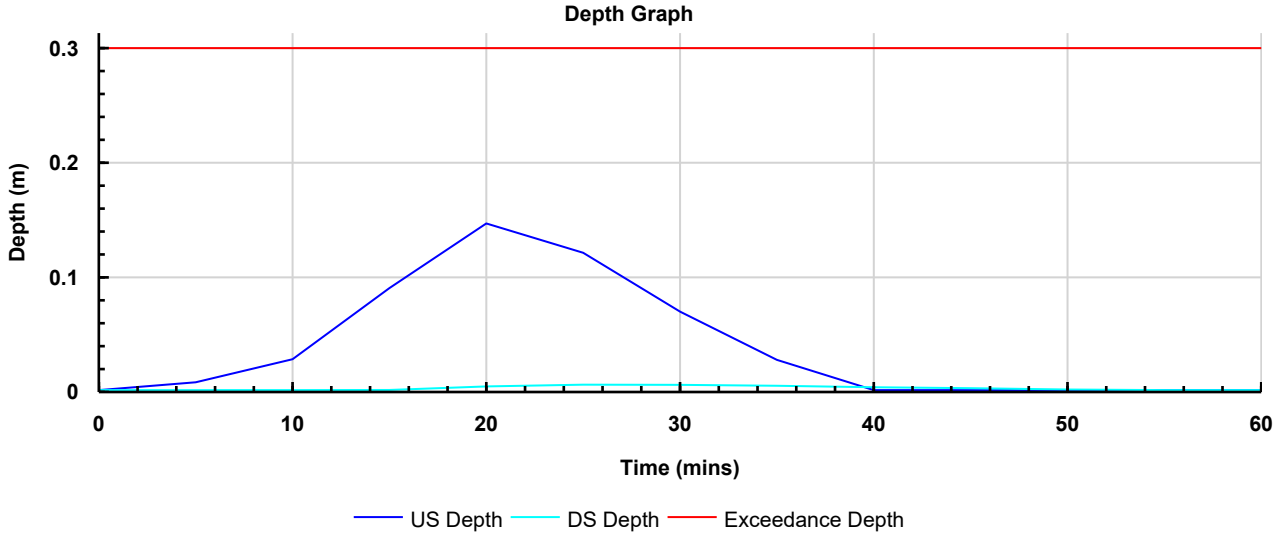
Flow Graph



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

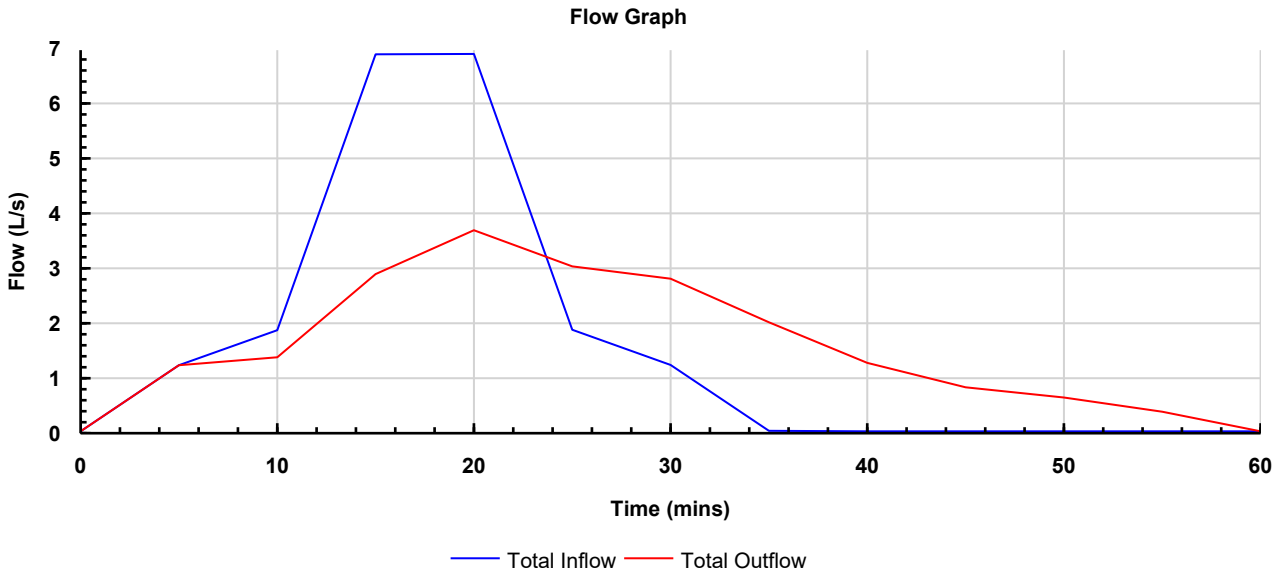
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.4	0.007	0.000	0.030	0.000	0.2
10	0.6	0.027	0.000	0.124	0.000	0.2
15	2.3	0.089	0.000	0.485	0.000	0.3
20	2.3	0.146	0.003	1.014	0.000	0.9
25	0.6	0.120	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

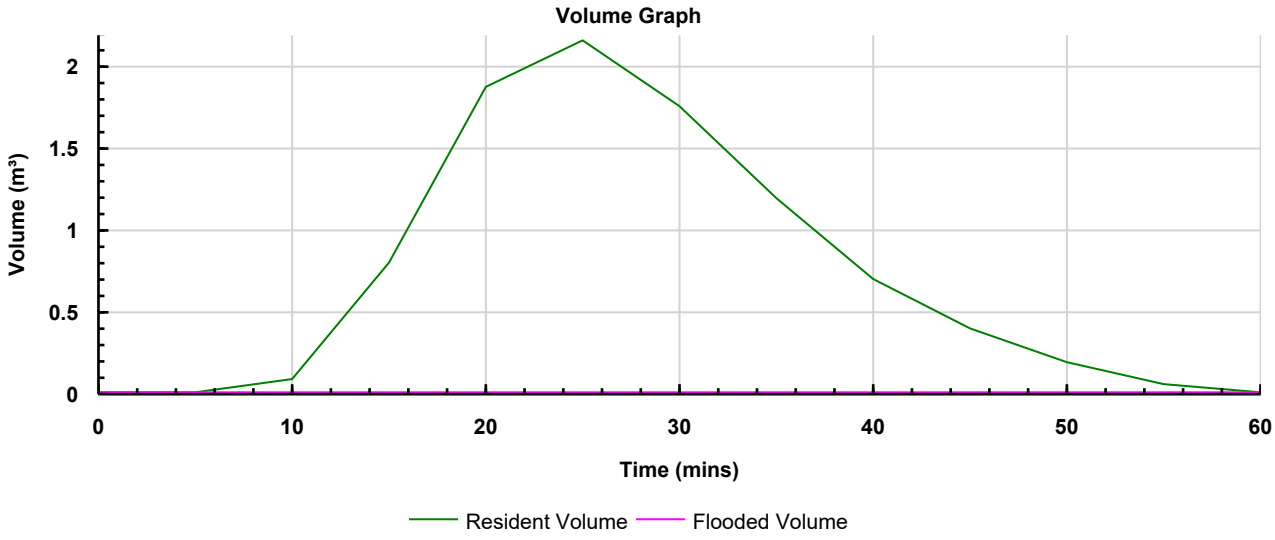
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Porous Paving 4
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 30 mins: Summer

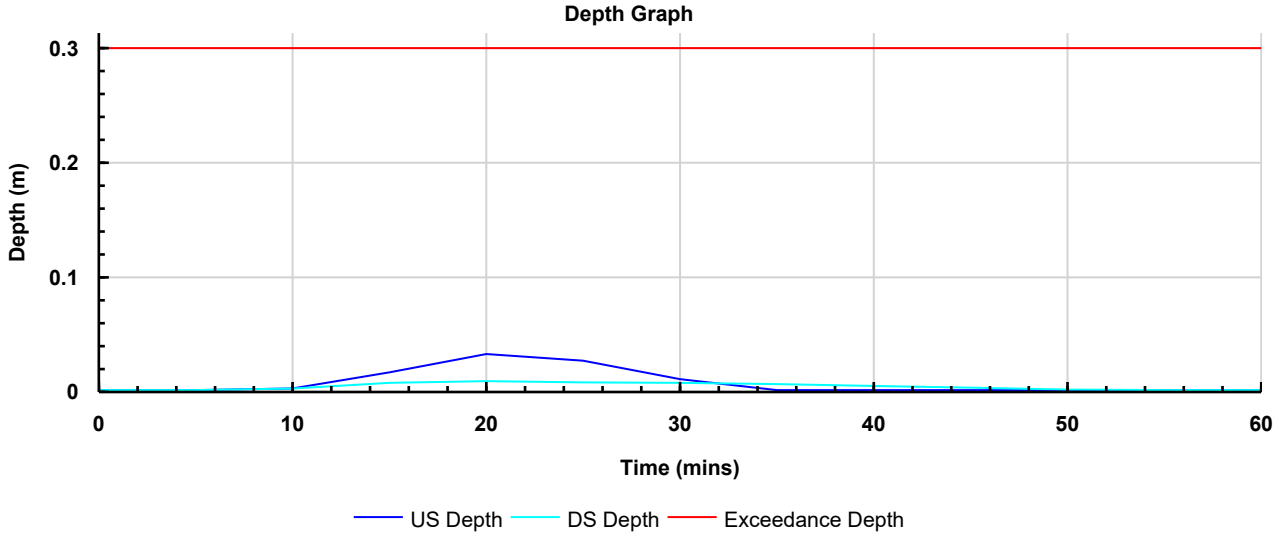
Type : Porous Paving

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

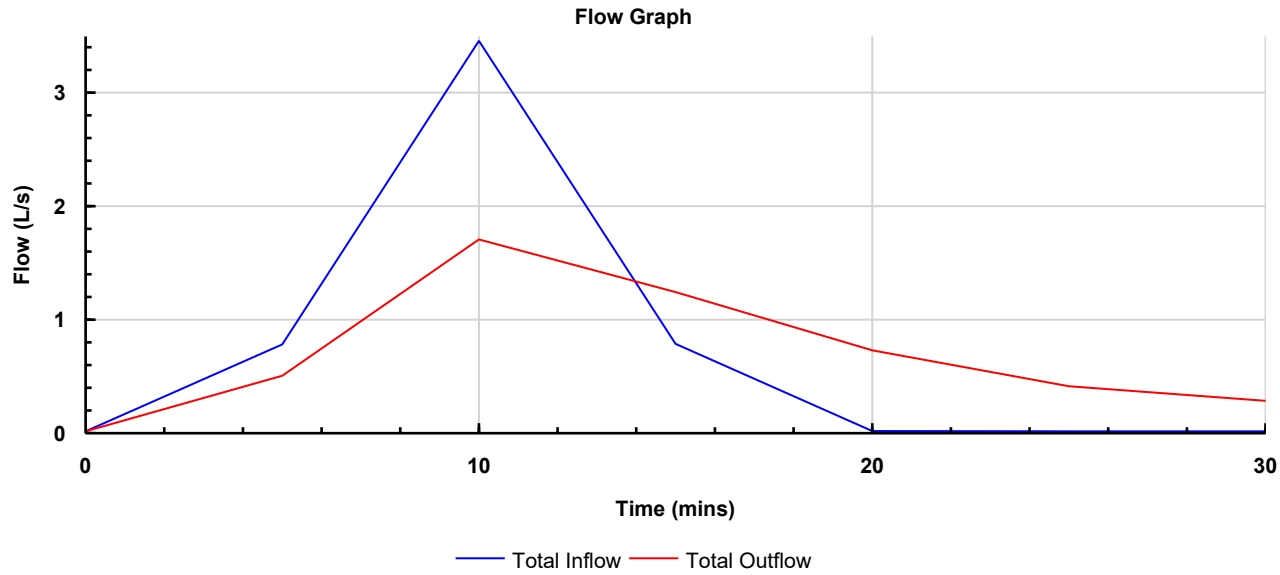
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	1.2	0.000	0.000	0.000	0.000	1.2
10	1.8	0.001	0.001	0.081	0.000	1.4
15	6.9	0.016	0.006	0.796	0.000	2.9
20	6.9	0.032	0.008	1.875	0.000	3.7
25	1.9	0.026	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

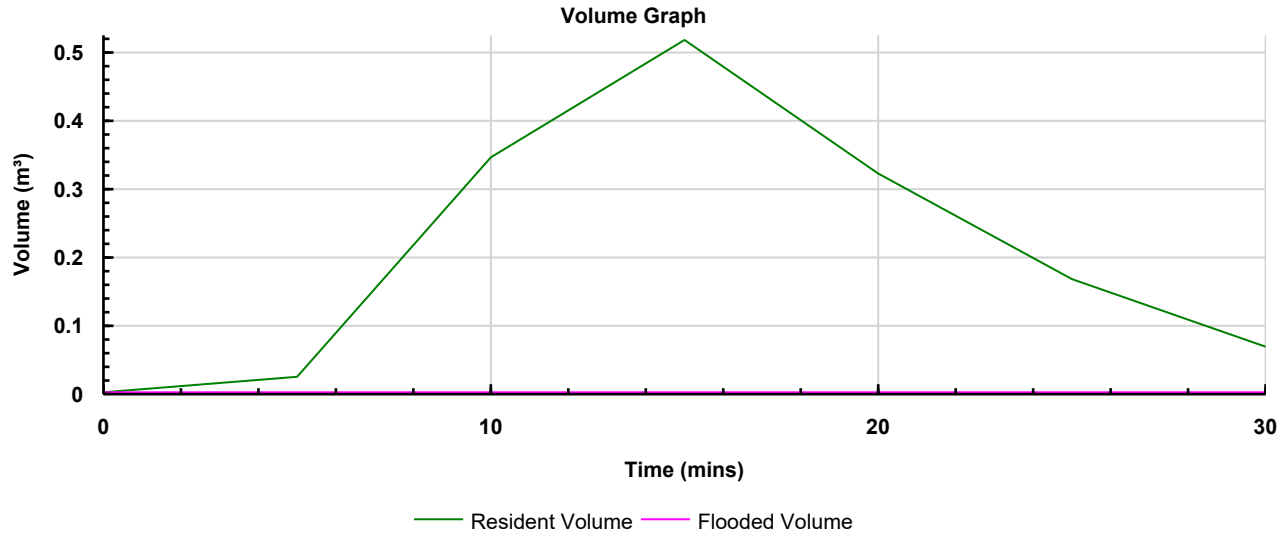
Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

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

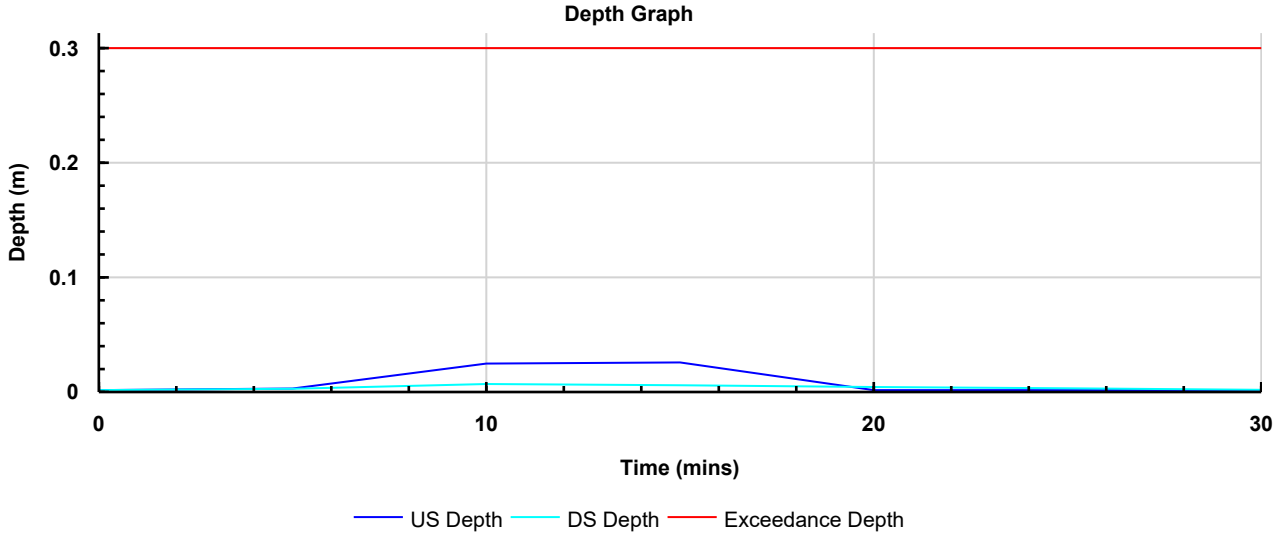
Type : Porous Paving

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		

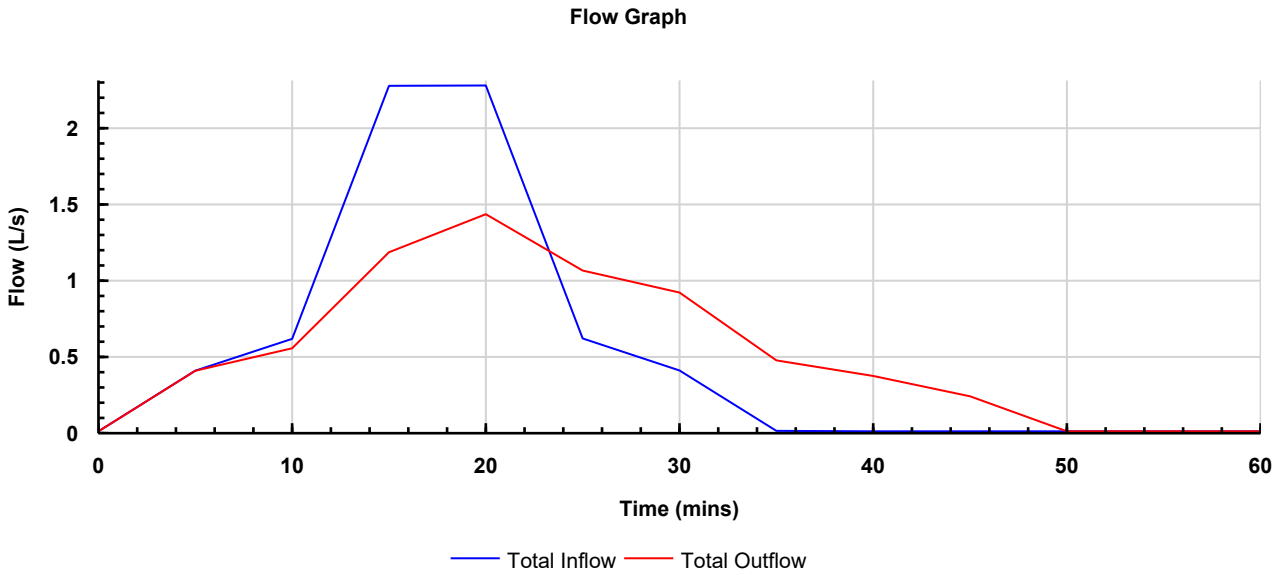
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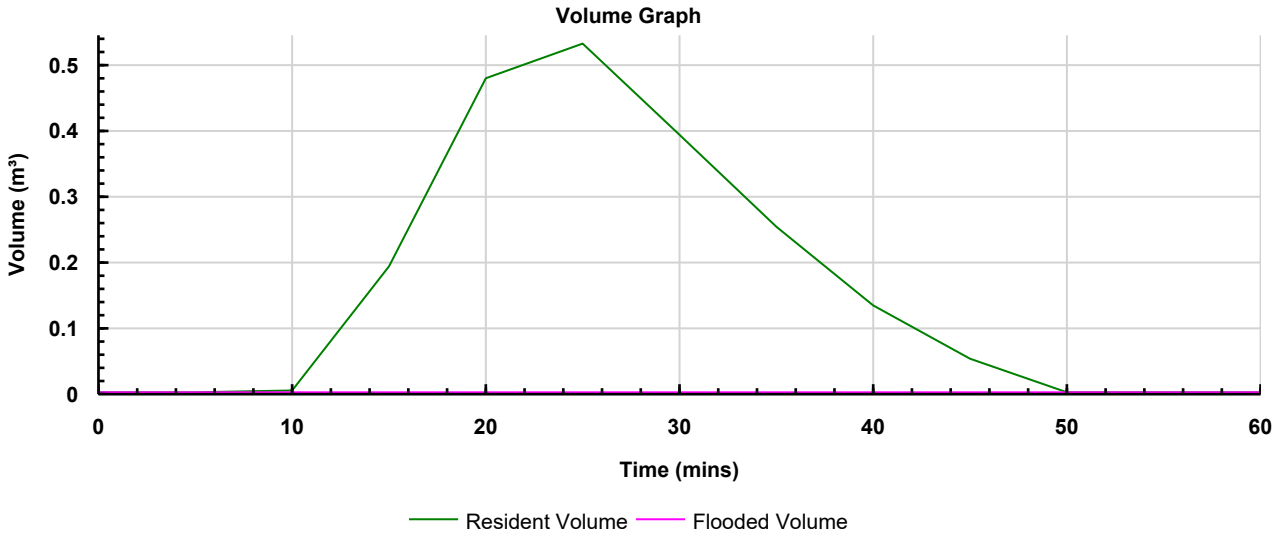
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.8	0.001	0.001	0.023	0.000	0.5
10	3.5	0.023	0.005	0.346	0.000	1.7
15	0.8	0.024	0.004	0.518	0.000	1.2
20	0.0	0.000	0.003	0.322	0.000	0.7
25	0.0	0.000	0.002	0.167	0.000	0.4
30	0.0	0.000	0.000	0.067	0.000	0.3

Porous Paving 6
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 30 mins: Summer

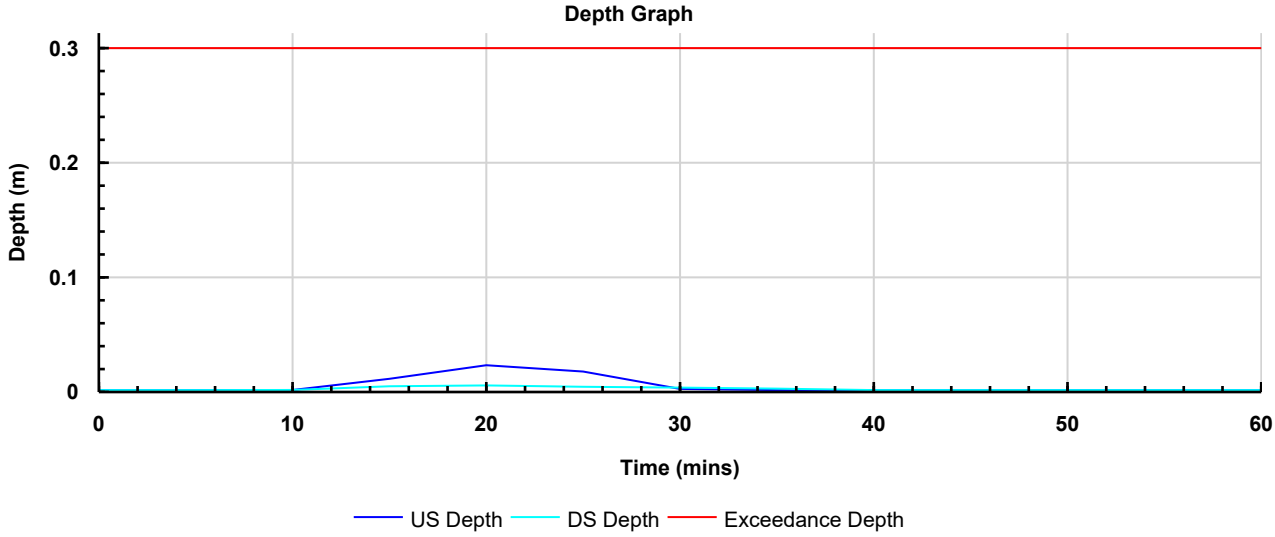
Type : Porous Paving

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		

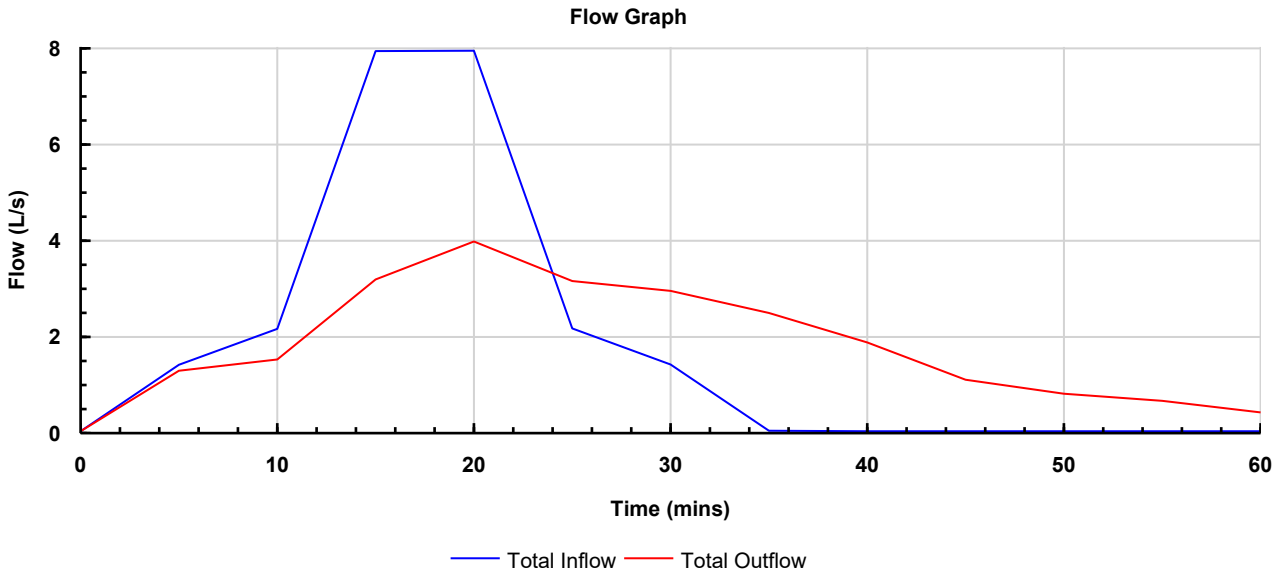
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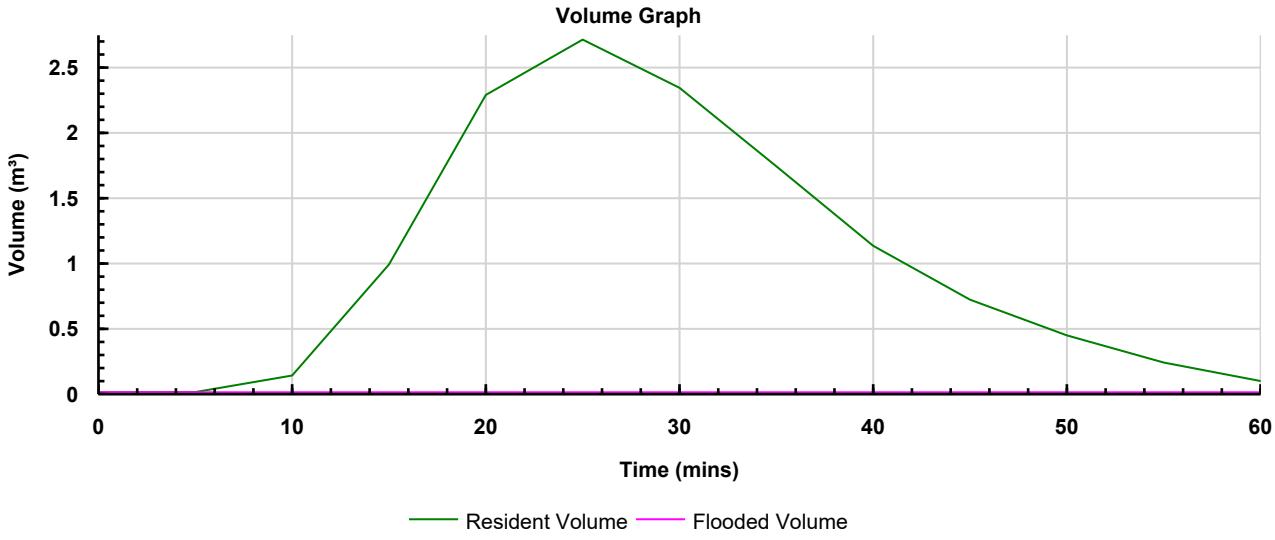
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.4	0.000	0.000	0.000	0.000	0.4
10	0.6	0.000	0.000	0.003	0.000	0.5
15	2.3	0.010	0.003	0.192	0.000	1.2
20	2.3	0.022	0.004	0.480	0.000	1.4
25	0.6	0.016	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

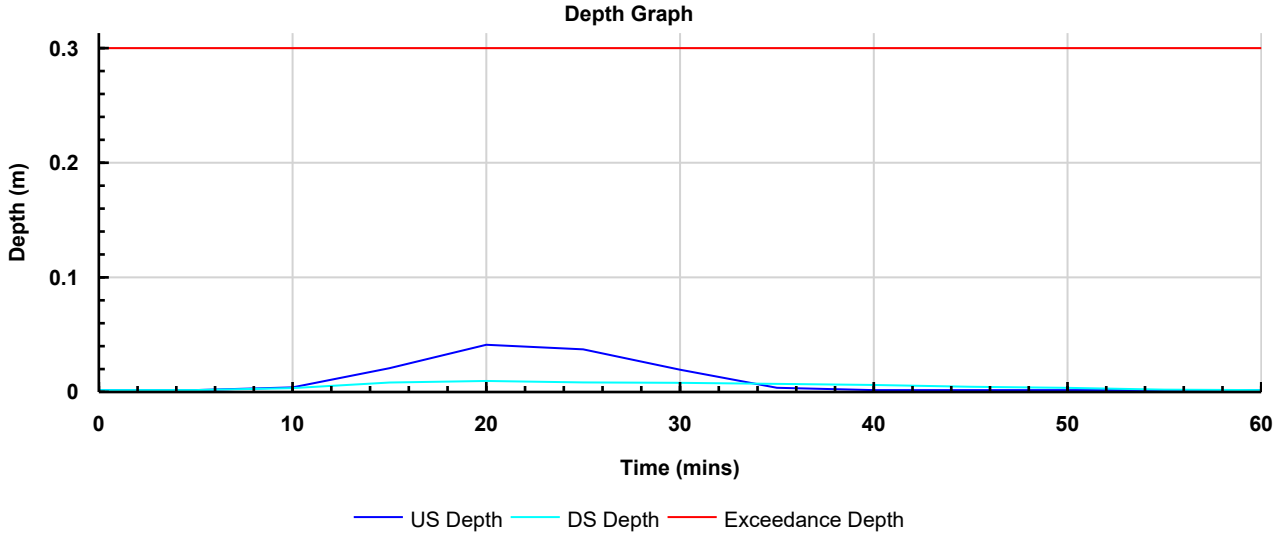
Type : Porous Paving

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		

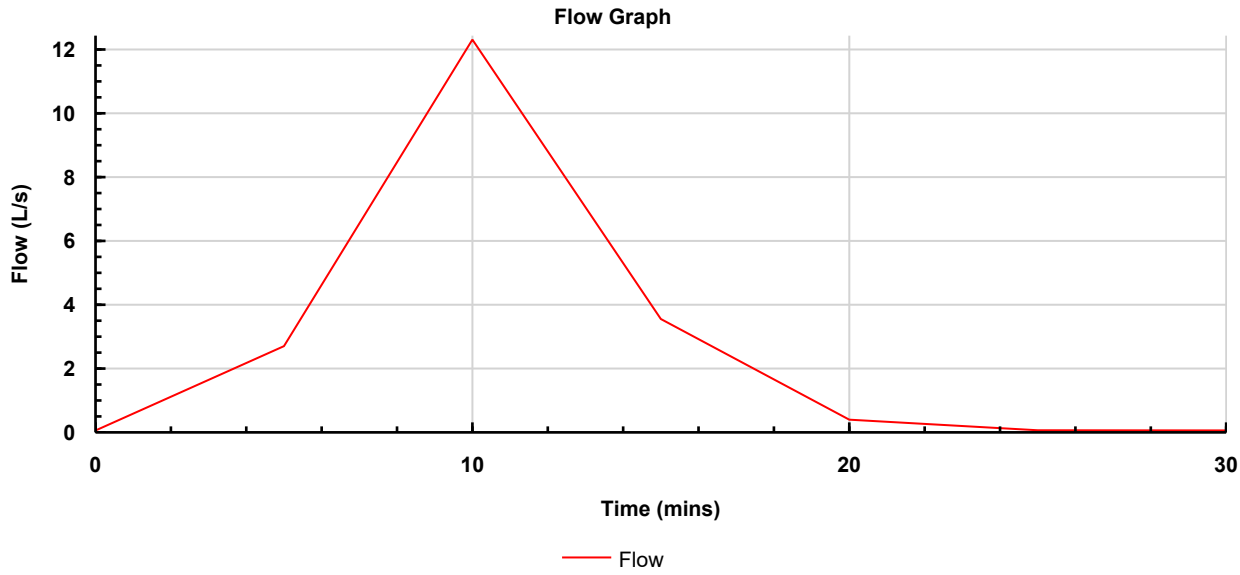
Tables

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



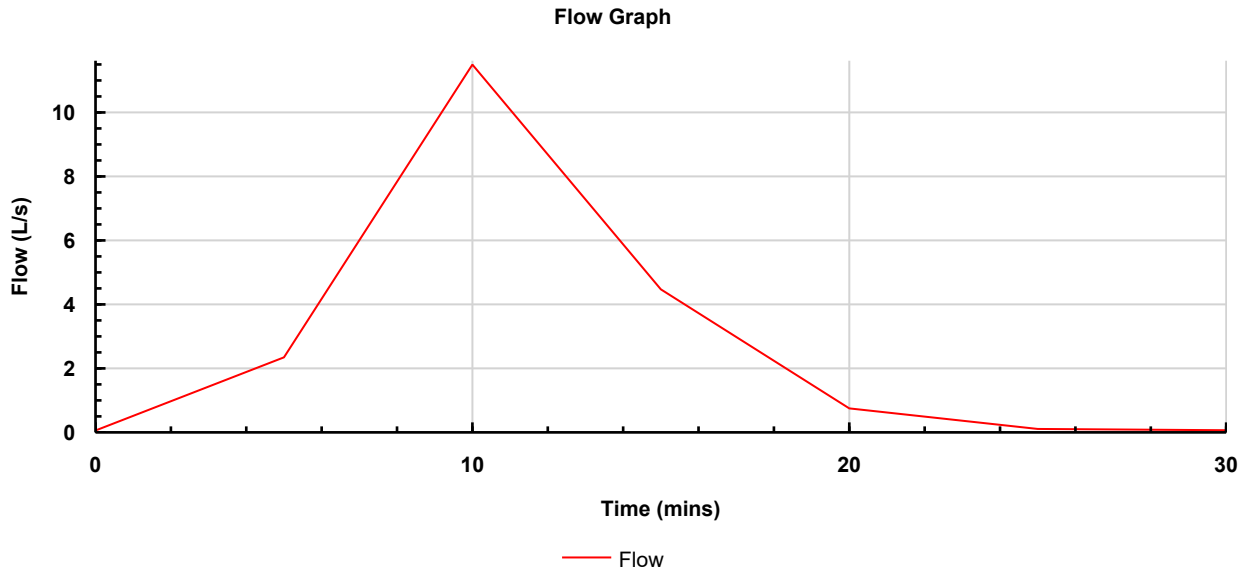
Tables

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

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

Type : Pipe

Graphs



Tables

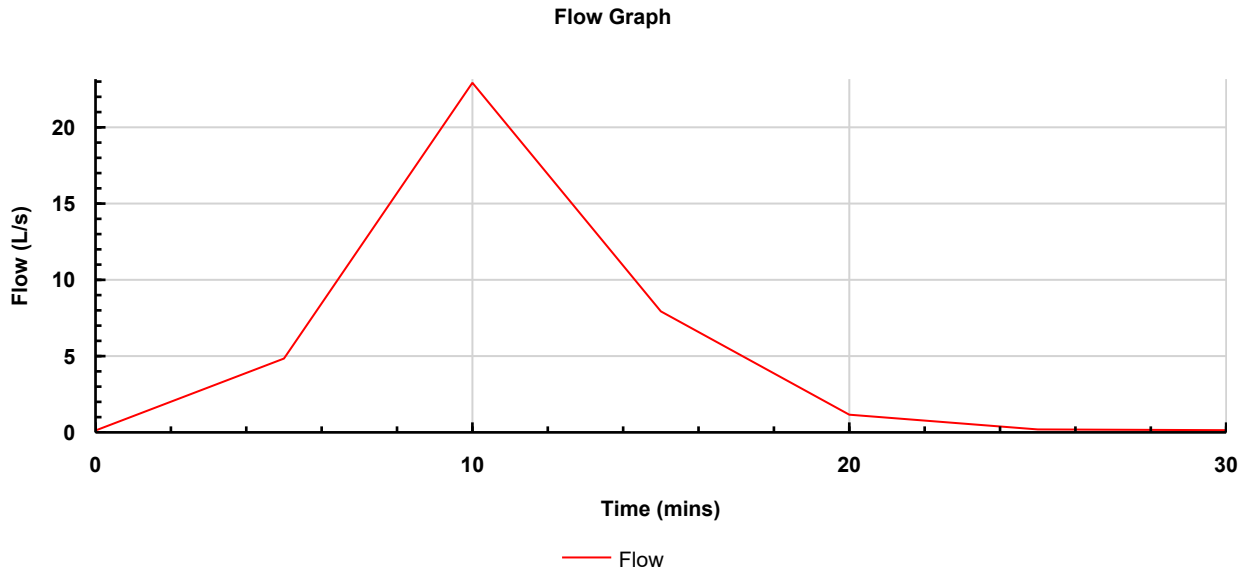
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.042	2.3
10	0.107	11.5
15	0.055	4.4
20	0.021	0.7
25	0.006	0.0
30	0.003	0.0

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

Type : Pipe

Graphs



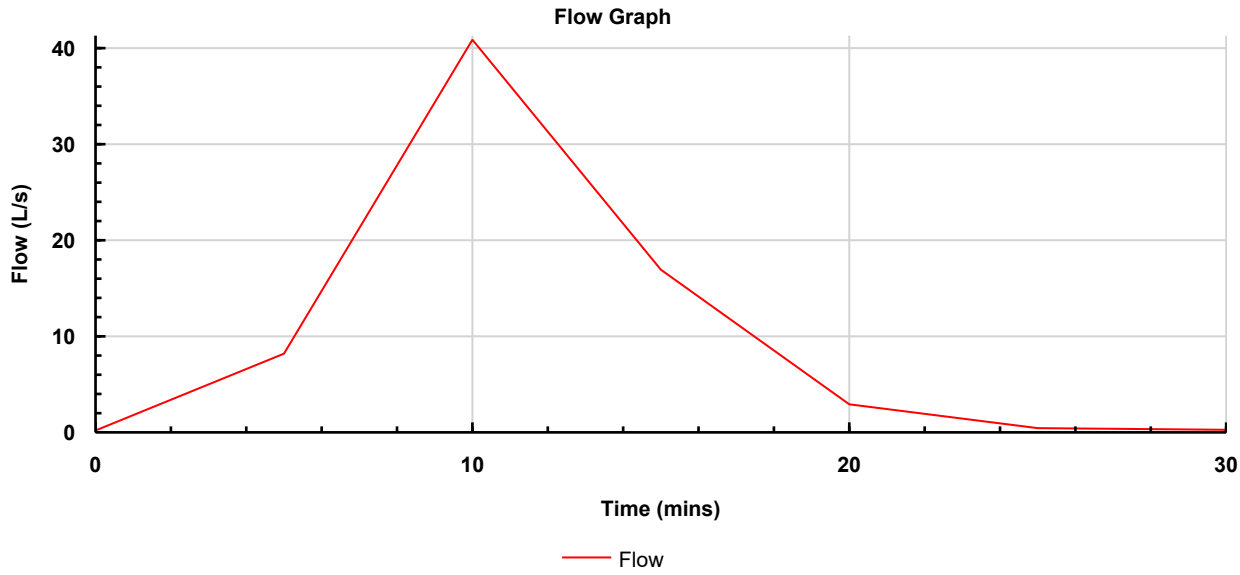
Tables

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



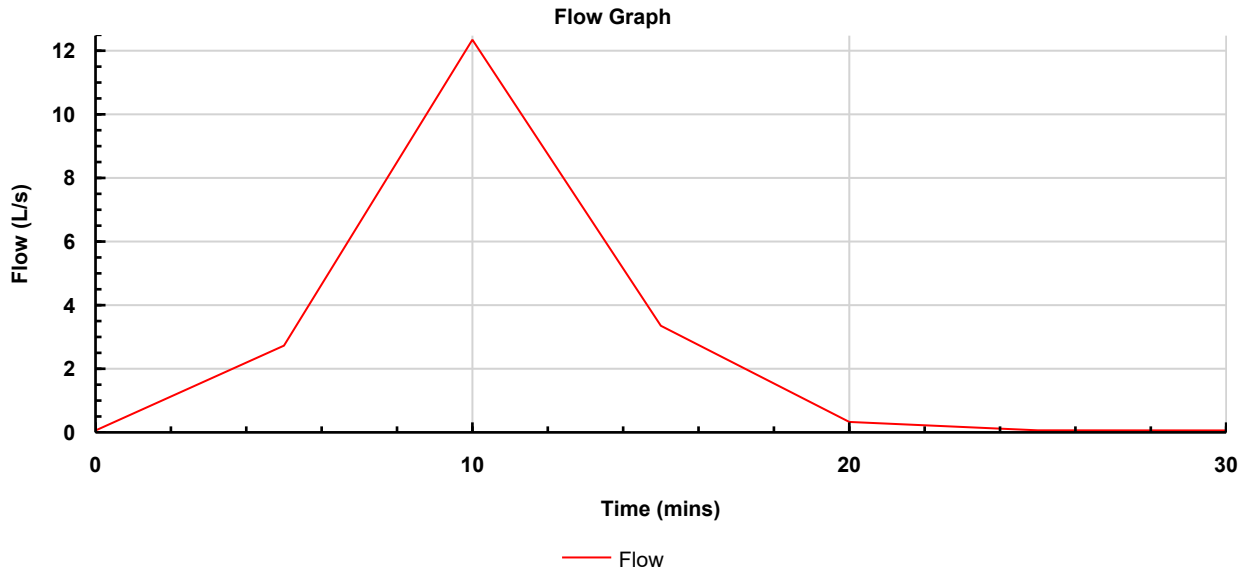
Tables

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

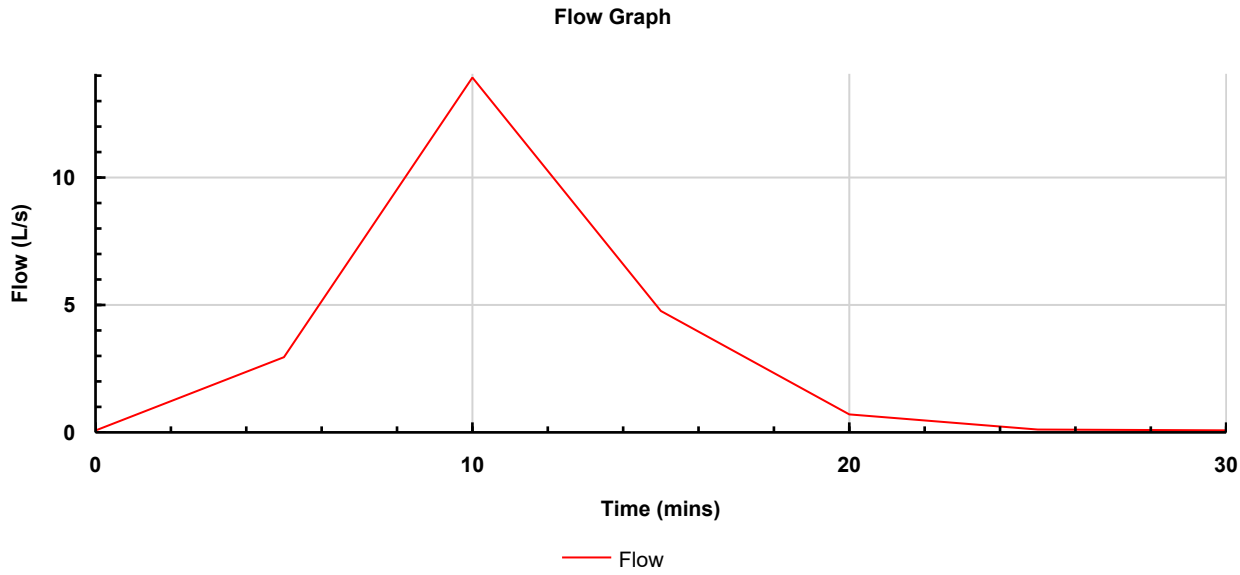
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.040	2.7
10	0.101	12.3
15	0.048	3.3
20	0.016	0.3
25	0.003	0.0
30	0.002	0.0

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



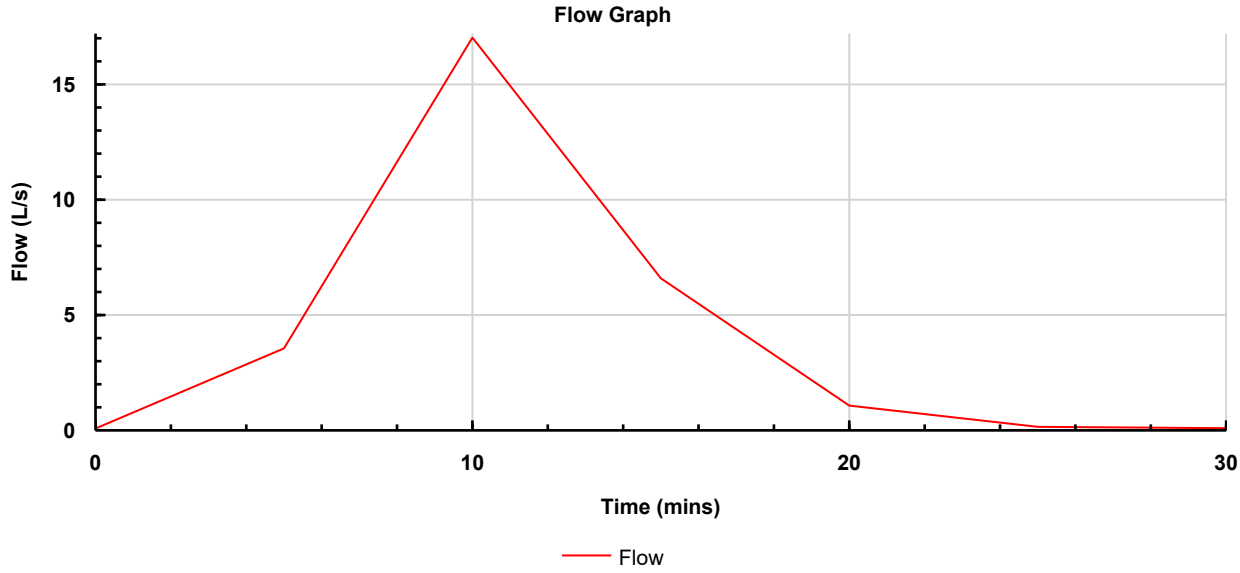
Tables

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

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

Type : Pipe

Graphs



Tables

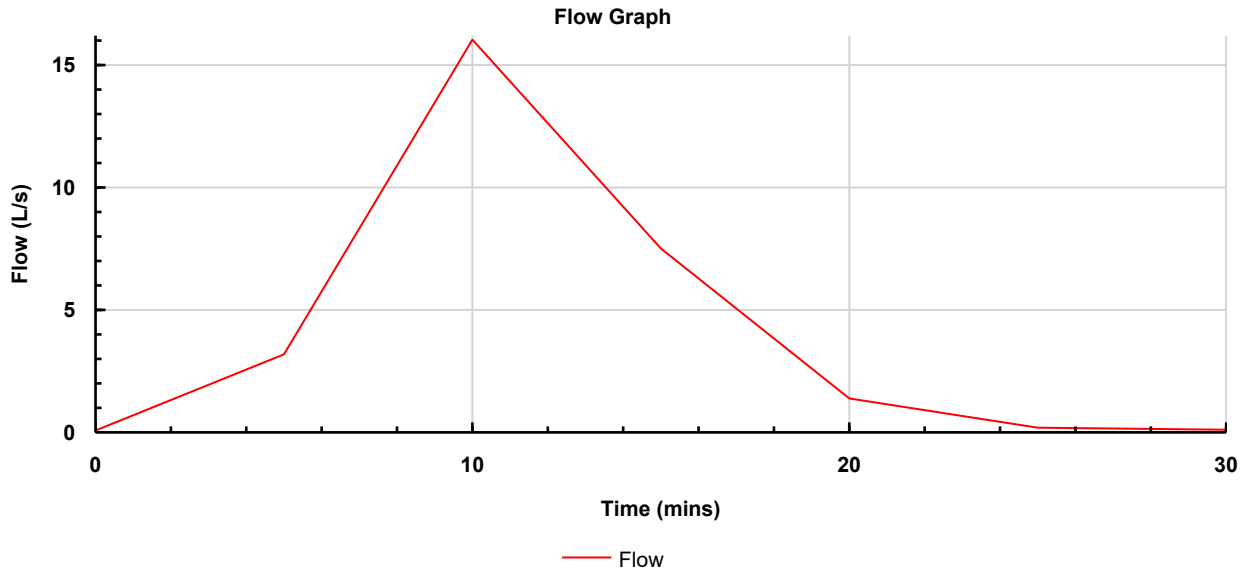
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.045	3.5
10	0.125	17.0
15	0.066	6.5
20	0.026	1.0
25	0.008	0.1
30	0.003	0.0

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

Type : Pipe

Graphs



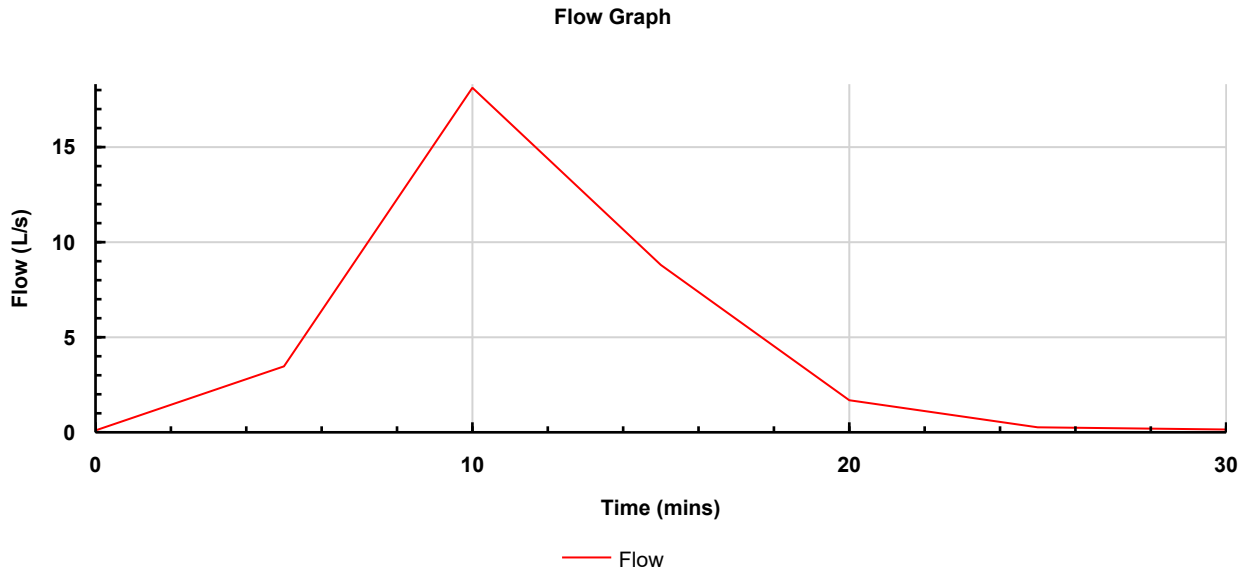
Tables

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) Type : Pipe

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

Graphs



Tables

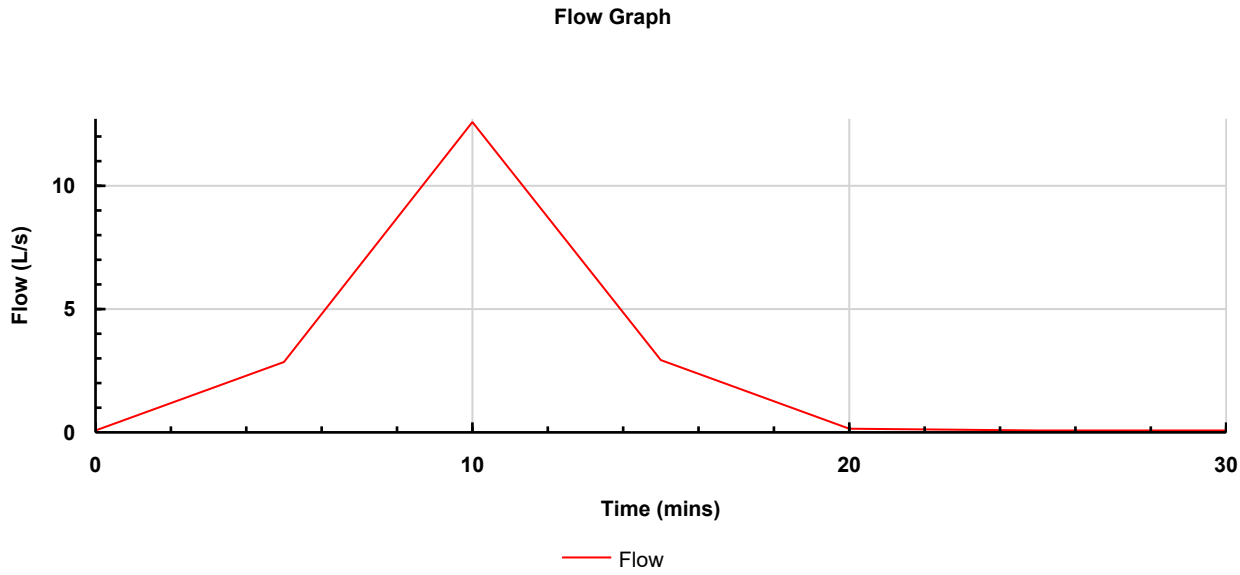
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.034	3.4
10	0.085	18.1
15	0.053	8.8
20	0.022	1.6
25	0.007	0.2
30	0.005	0.0

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

Type : Pipe

Graphs



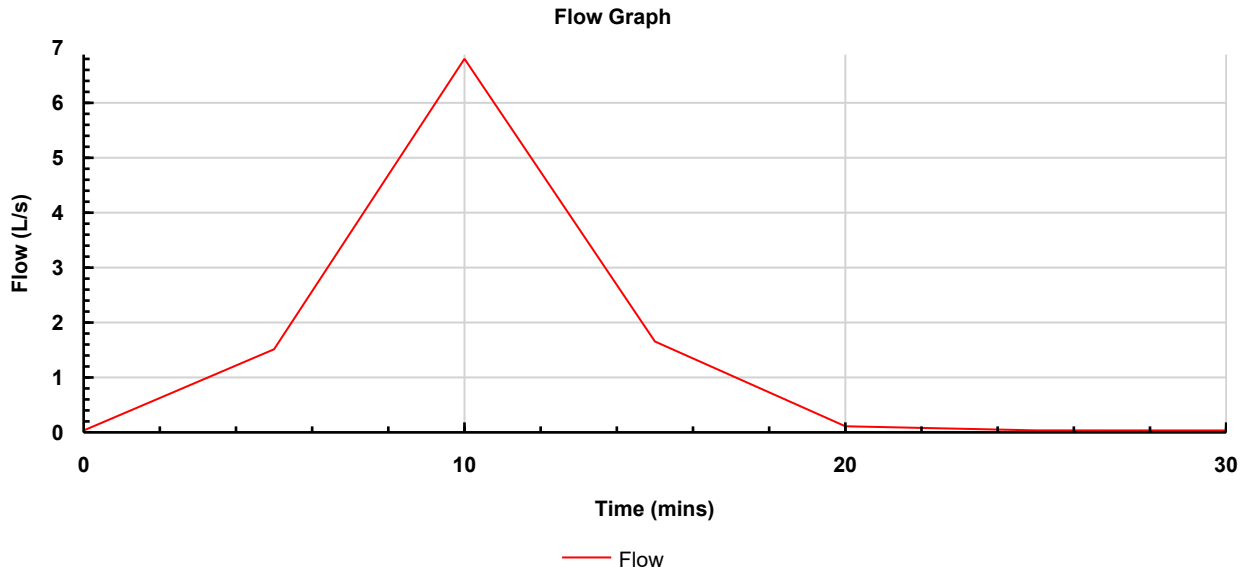
Tables

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



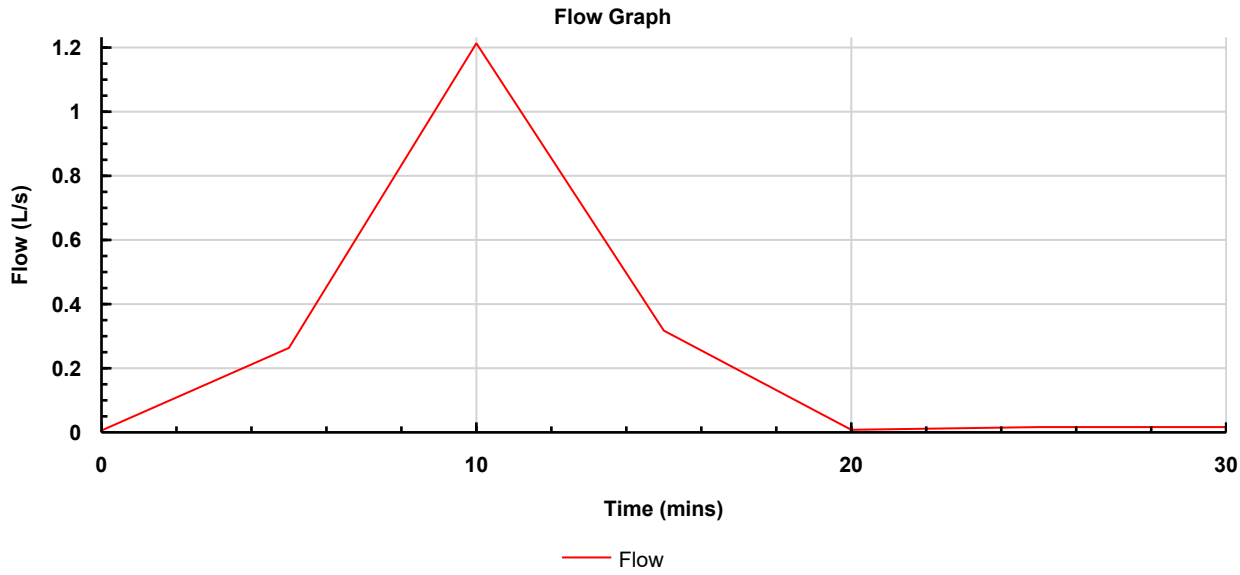
Tables

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



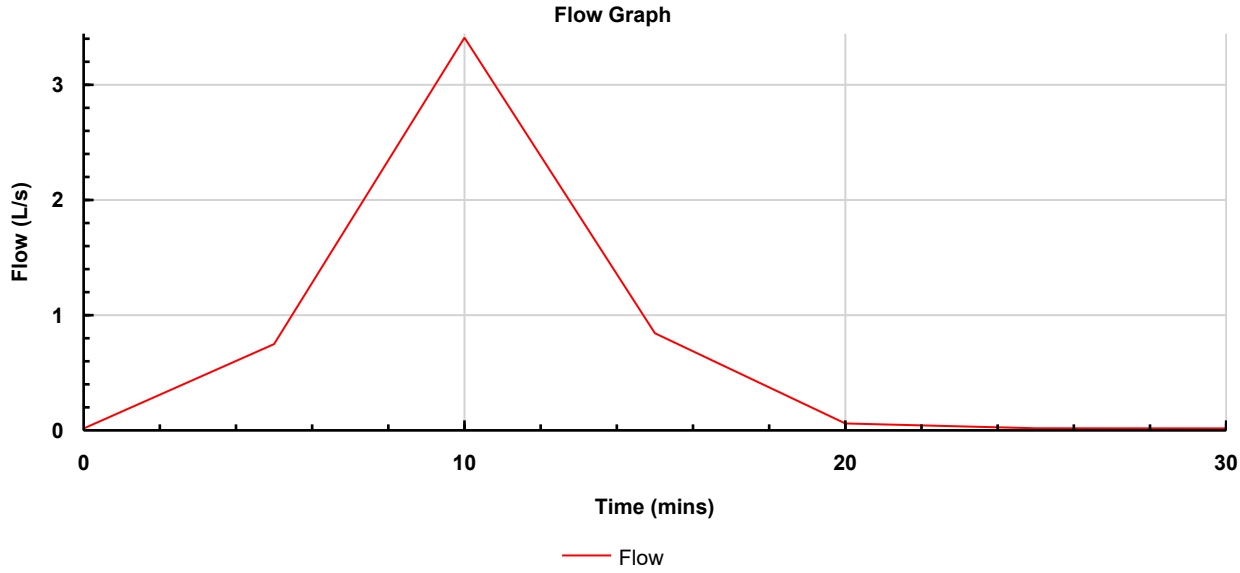
Tables

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



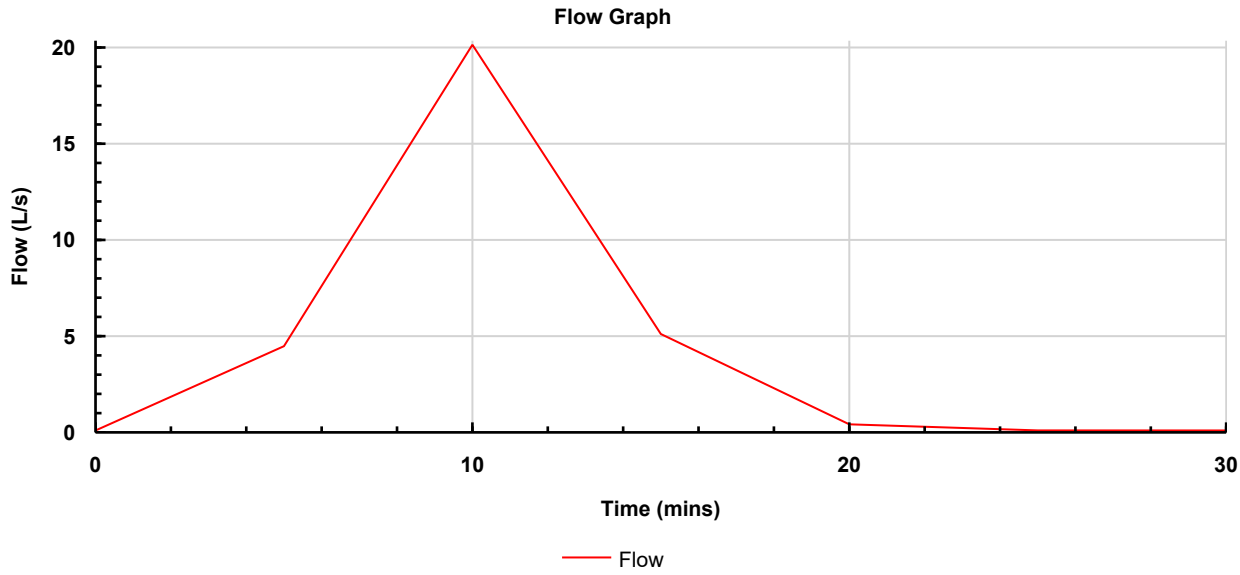
Tables

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



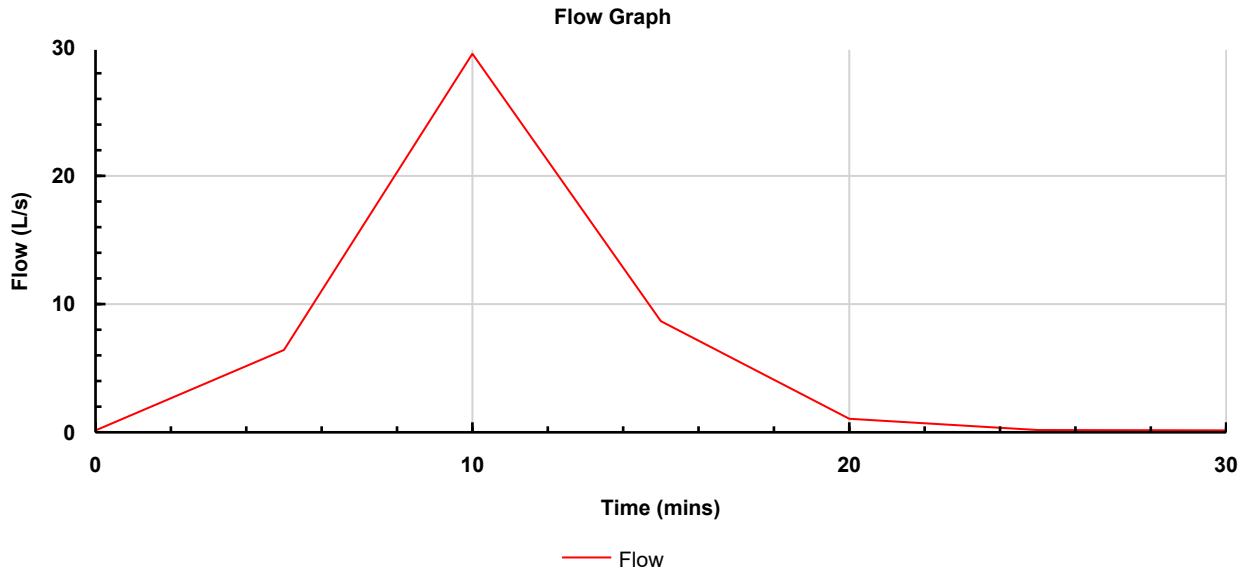
Tables

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



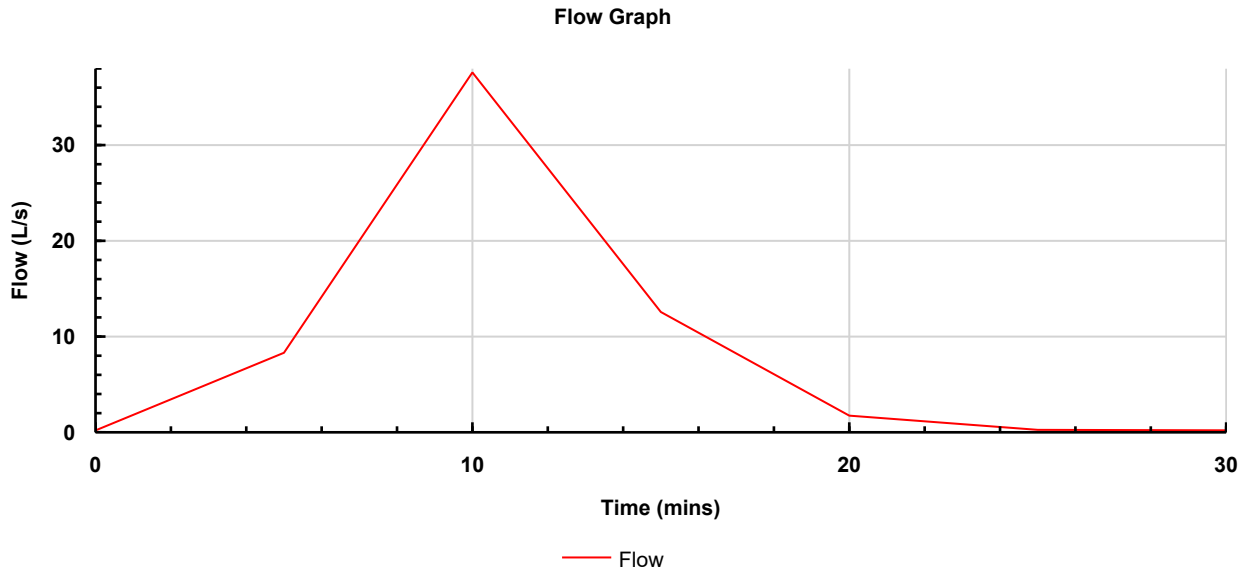
Tables

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



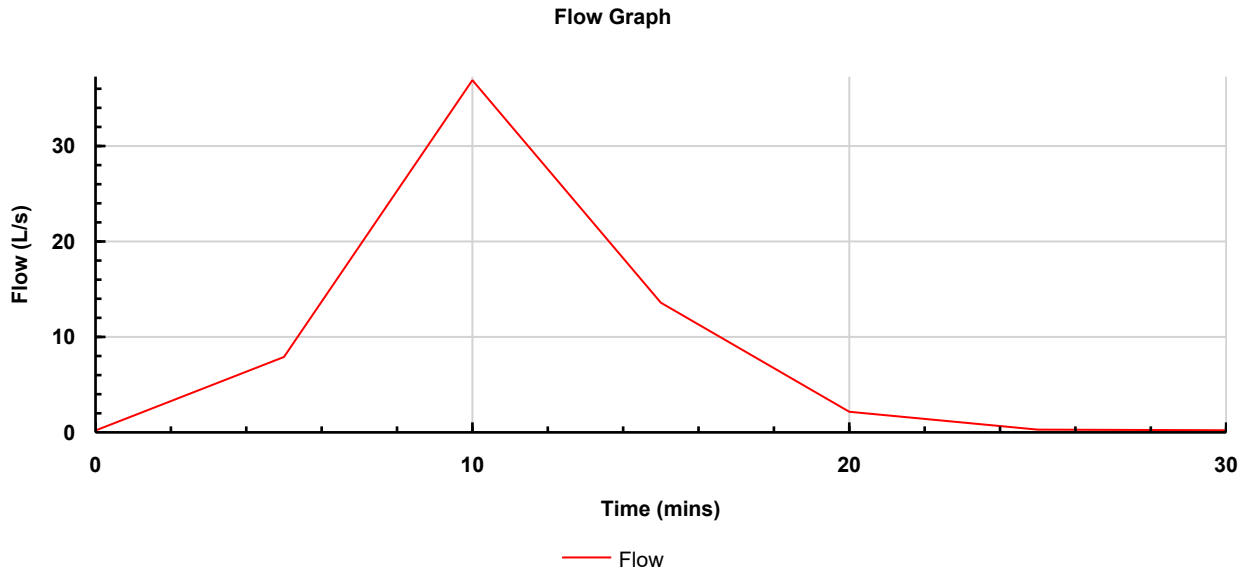
Tables

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) Type : Pipe

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

Graphs



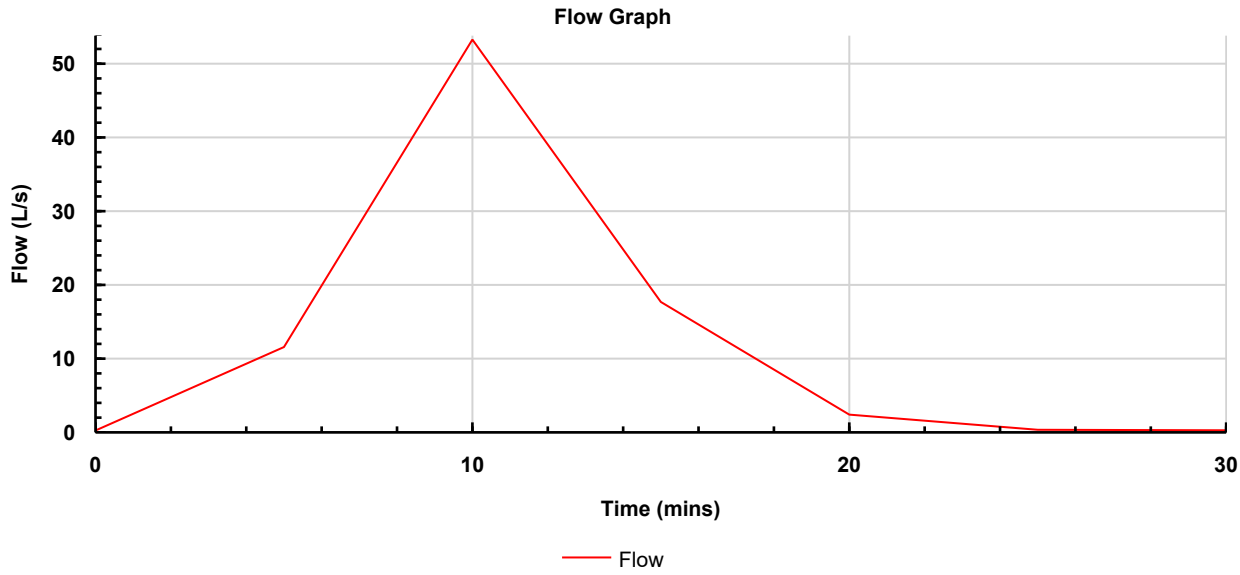
Tables

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

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

Type : Pipe

Graphs



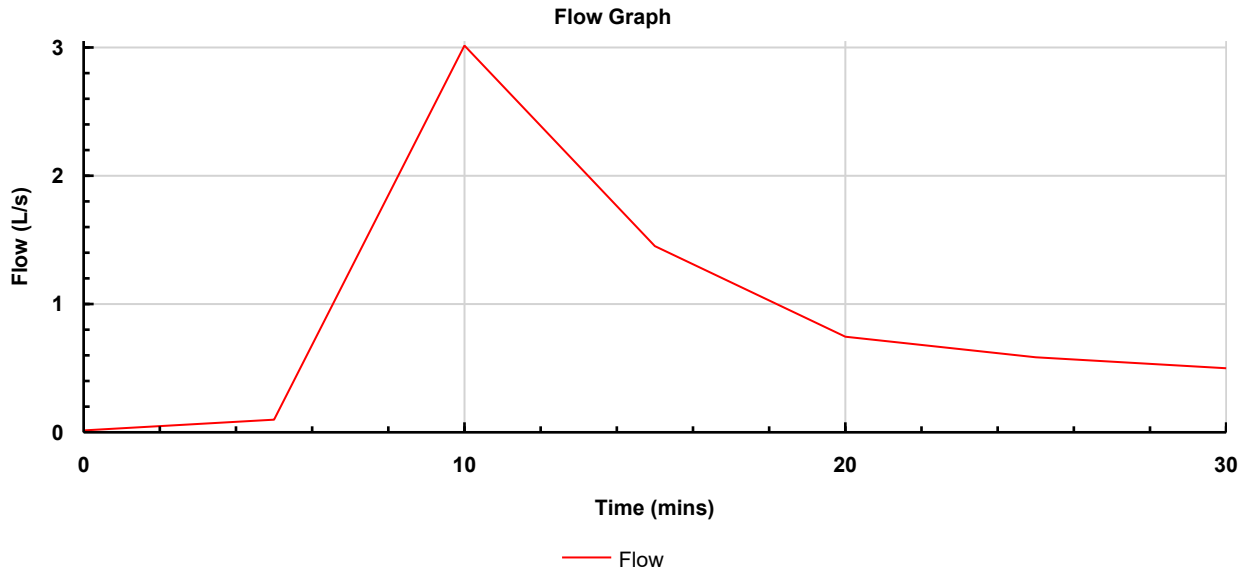
Tables

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



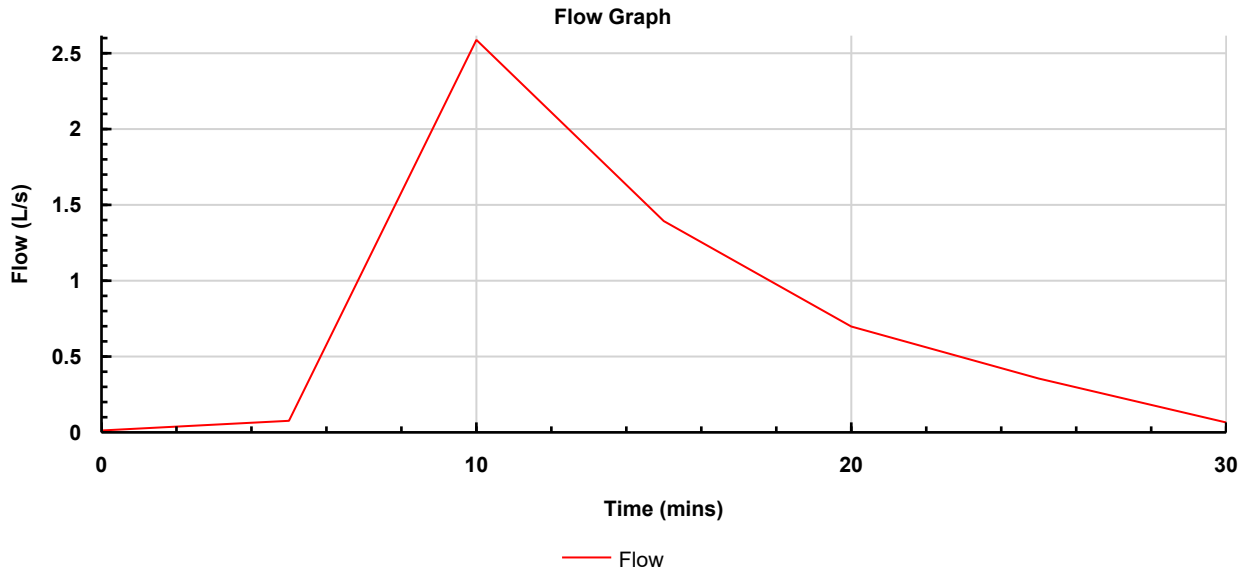
Tables

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

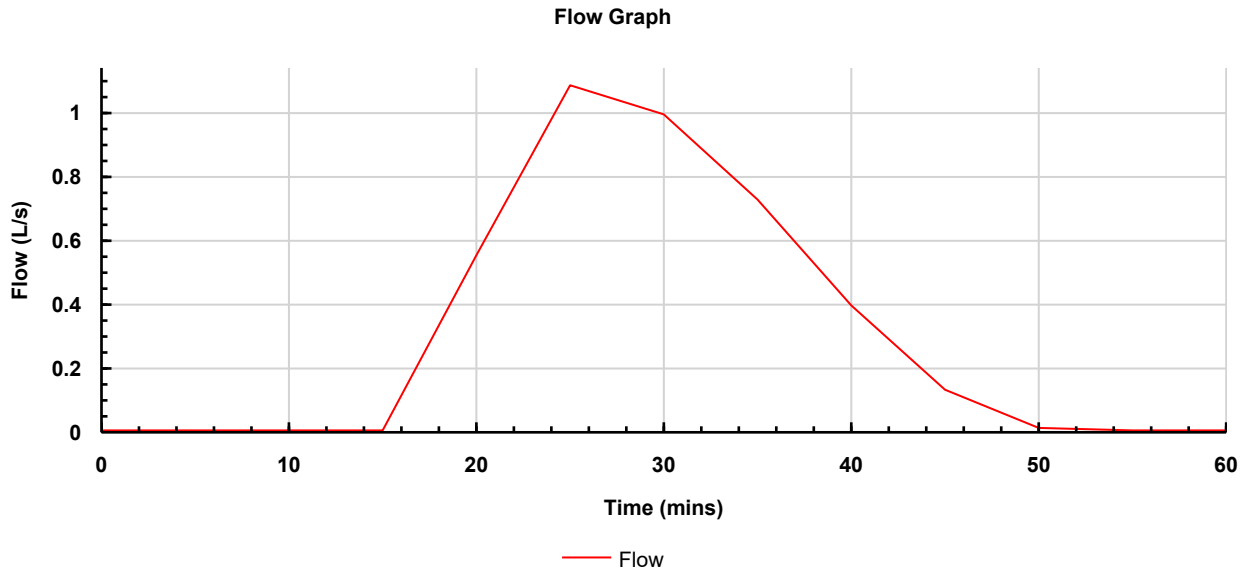
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.001	0.1
10	0.141	2.6
15	0.243	1.4
20	0.225	0.7
25	0.206	0.3
30	0.186	0.1

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

Pipe (14)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 30 mins: Summer

Type : Pipe

Graphs



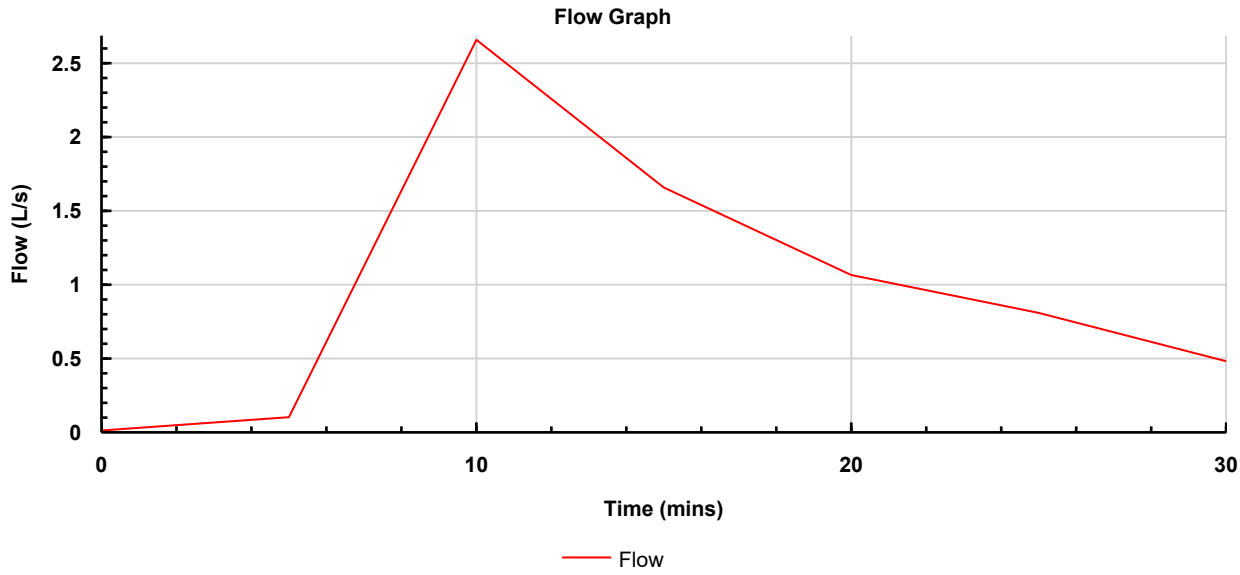
Tables

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



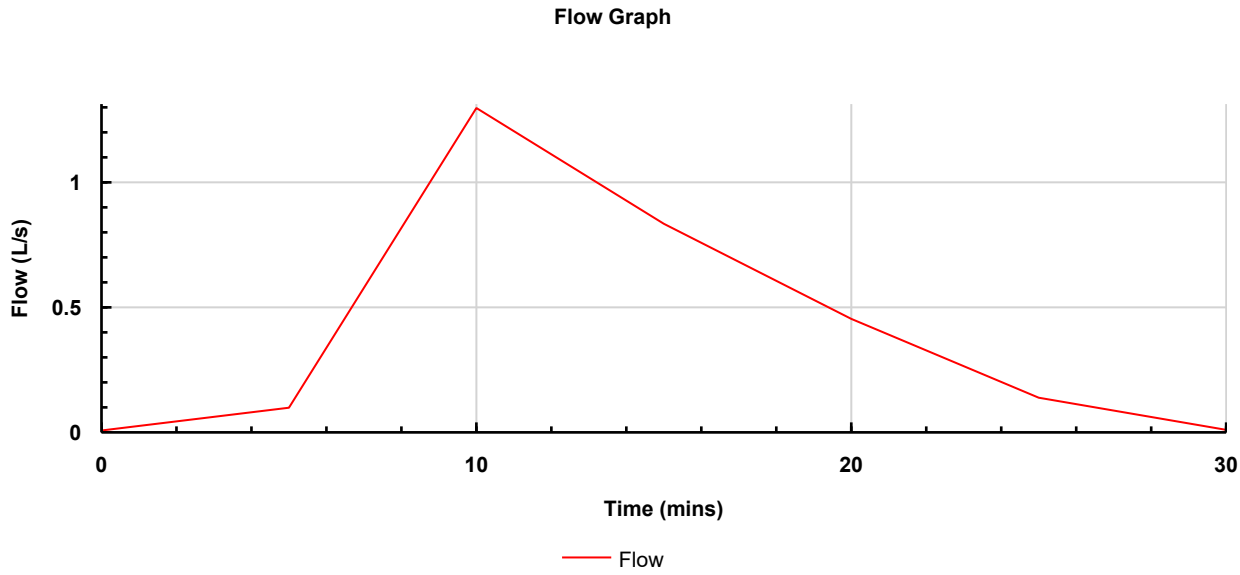
Tables

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



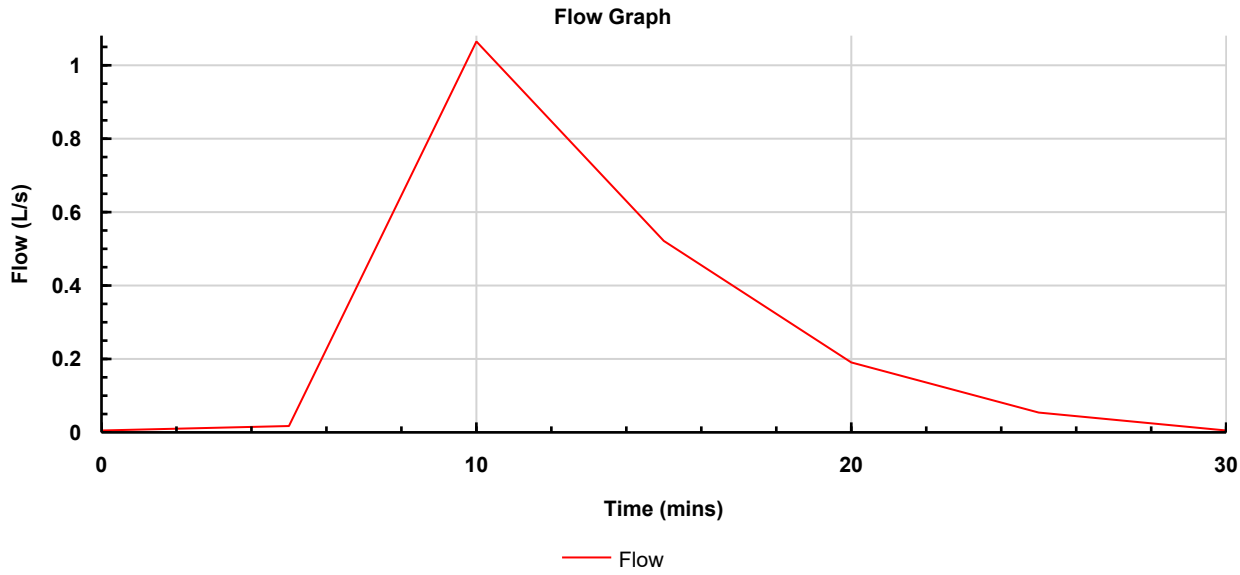
Tables

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

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

Type : Pipe

Graphs



Tables

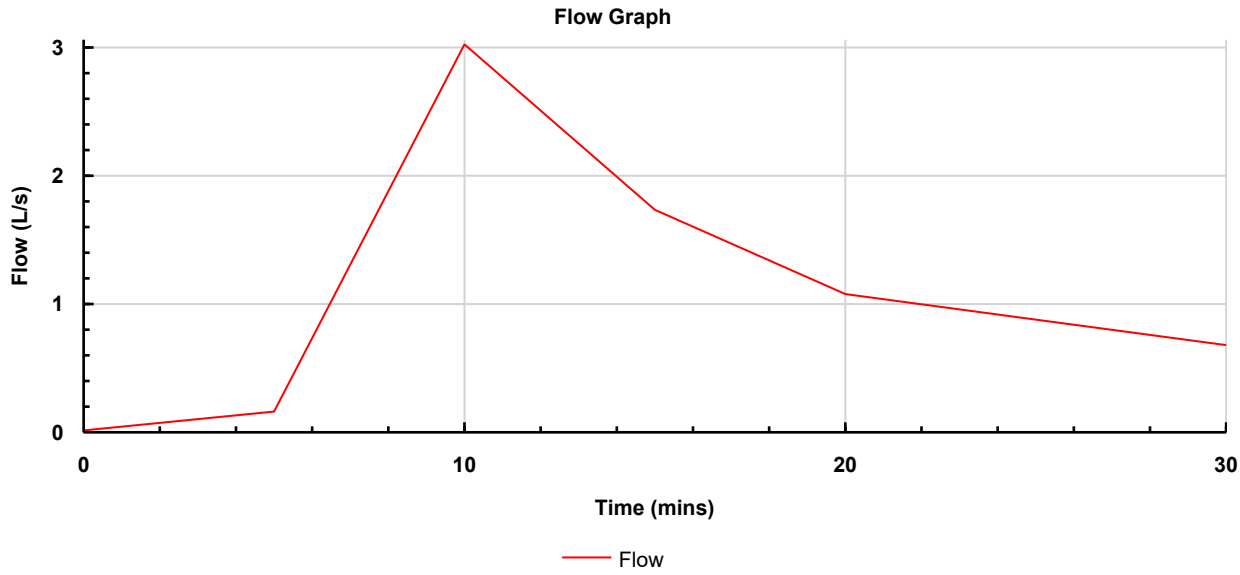
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.000	0.0
10	0.083	1.1
15	0.144	0.5
20	0.152	0.2
25	0.152	0.0
30	0.146	0.0

Project - 2080:	Date:		
Ramsbury Manor - Estate Yard	22/08/2025		
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	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:		
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	GB		
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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

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Type: Inflows Storm Phase: Phase	AFA Consulting Engineers Ltd		



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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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

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	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

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



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)	0.061
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)	0.0612
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

Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
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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)	0.061
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		
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	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:		
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
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)	Pipe	8.550	Diam/Width:150	Manhole
E:508153.672 N:165776.493	1.450		{2} Pipe (16)	Pipe	8.550	Diam/Width:150	
			{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 (m^3)
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	8.816	0.076	1.6	0.059	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 %: 960 mins: Summer	10.000	8.500	8.730	0.230	1.0	0.181	0.000	1.0	15.454	Surcharged
SMH305	FSR: 100 years: +40 %: 960 mins: Summer	10.000	8.500	8.730	0.230	3.3	0.181	0.000	3.3	48.219	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	13.760	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	8.907	0.357	3.9	0.281	0.000	3.9	85.476	Surcharged
SMH301	FSR: 100 years: +40 %: 1440 mins: Summer	10.000	8.250	8.907	0.657	2.8	0.516	0.000	2.7	59.128	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	11.390	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	15.505	Surcharged
SMH302	FSR: 100 years: +40 %: 1440 mins: Summer	10.000	8.500	8.908	0.408	2.7	0.320	0.000	2.8	59.591	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	8.816	8.816	1.416	1.416	1.6	16.140	0.000	0.0	0.000	11.512	OK
Soakaway (1)	FSR: 100 years: +40 %: 960 mins: Summer	8.730	8.730	1.330	1.330	4.3	45.491	0.000	0.0	0.000	16.867	OK
Soakaway (2)	FSR: 100 years: +40 %: 1440 mins: Summer	8.907	8.907	1.907	1.907	6.6	94.236	0.000	0.0	0.032	4.619	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. Velocity

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: 30 years: +40 %: 60 mins: Winter	Pipe	SMH203	Soakaway	10.000	8.757	0.150	8.700	2.6	0.04	5.6	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: 30 years: +40 %: 15 mins: Summer	Pipe	SIC303	SMH307	10.000	9.109	0.119	6.277	0.9	0.7	14.2	OK
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 %: 60 mins: Summer	Pipe	SMH306	SMH305	10.000	8.826	0.091	23.615	1.7	0.93	18.9	OK
Pipe (10)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SIC301	SMH303	10.000	9.530	0.150	11.390	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	15.505	1.5	1.28	25.9	Surcharged
Pipe (12)	FSR: 30 years: +40 %: 60 mins: Summer	Pipe	SMH302	SMH301	10.000	8.621	0.079	20.264	1.7	0.85	16.2	OK
Pipe (13)	FSR: 100 years: +40 %: 60 mins: Summer	Pipe	SMH301	Soakaway (2)	10.000	8.292	0.150	26.654	2.8	0.19	21.1	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 %: 60 mins: Winter	Pipe	SMH310	Soakaway (2)	10.000	8.589	0.150	38.222	4.1	0.18	24.6	OK
Pipe (5)	FSR: 2 years: +0 %: 15 mins: Summer	Pipe	SMH304	Soakaway (1)	10.000	8.522	0.077	1.282	1.5	0.05	2.9	OK
Pipe (9)	FSR: 30 years: +40 %: 15 mins: Summer	Pipe	SMH305	Soakaway (1)	10.000	8.560	0.150	10.567	2.4	0.33	20.9	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			

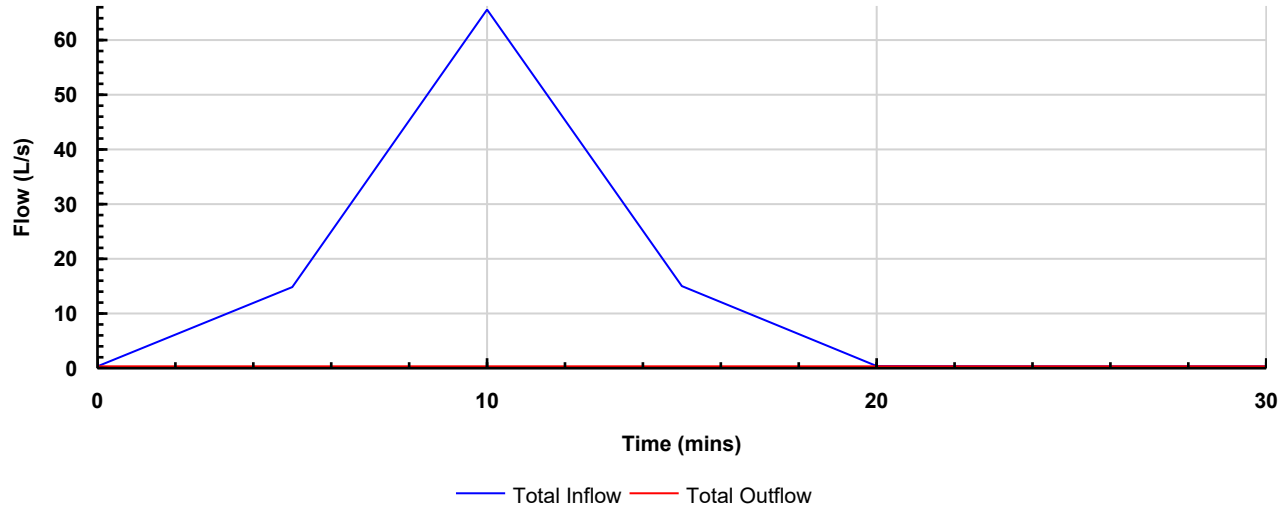
Phase
FSR: 2 years: Increase Rainfall (%): +0: 15 mins: Summer

Tables

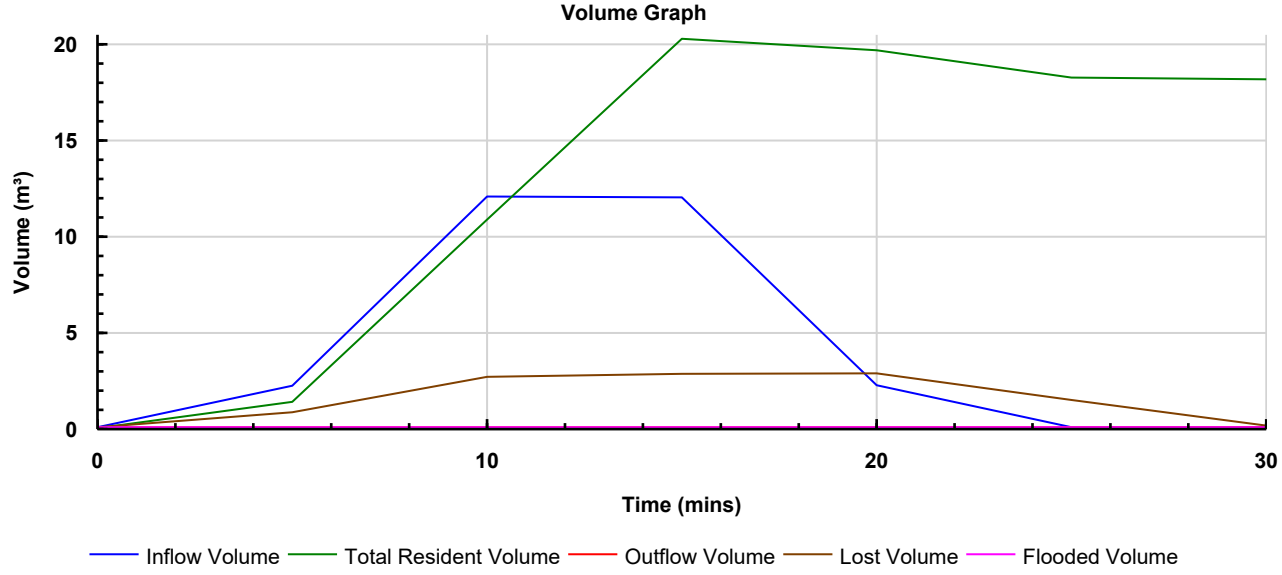
Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
TOTAL	65.6	28.412	0.0	0.000

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		

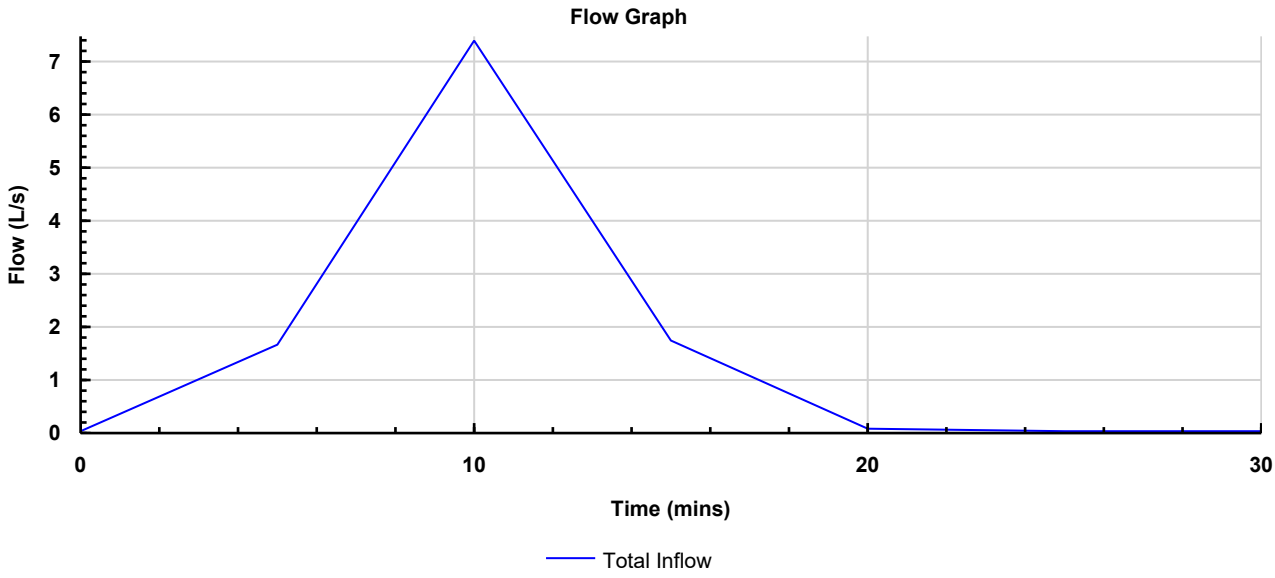
Catchment Area
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

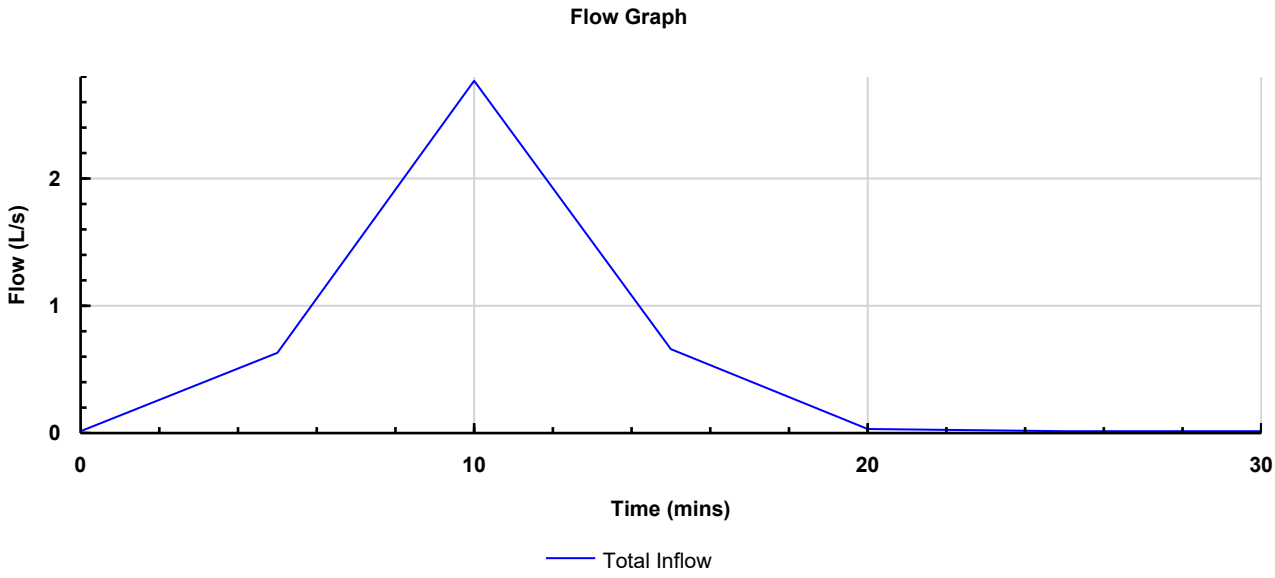
Catchment Area (1)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

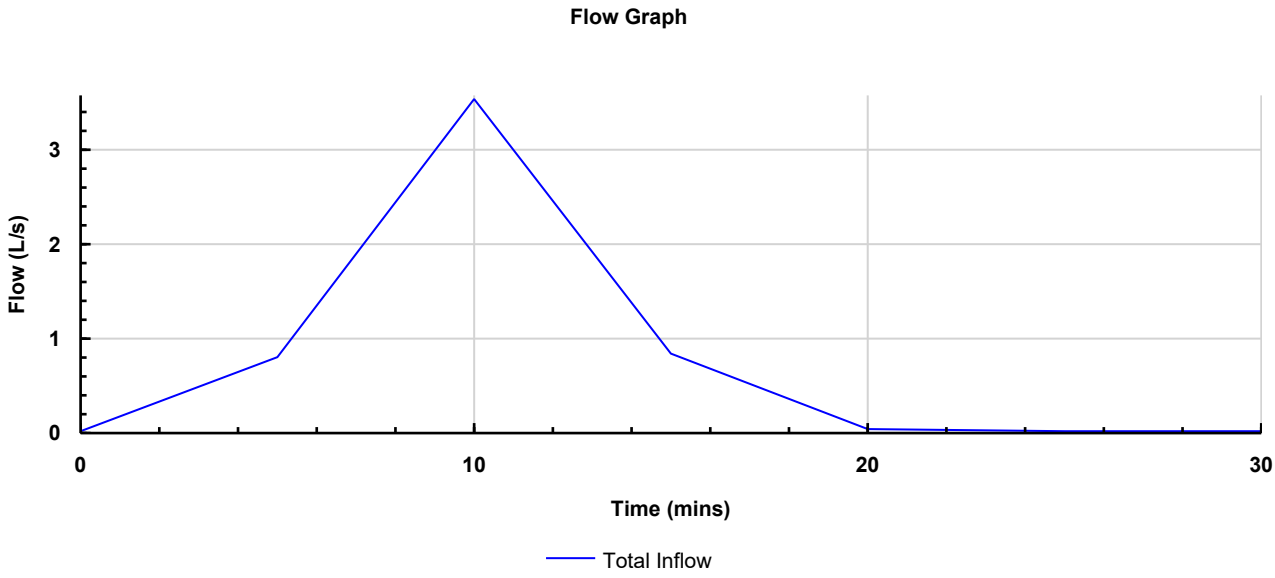
Catchment Area (2)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

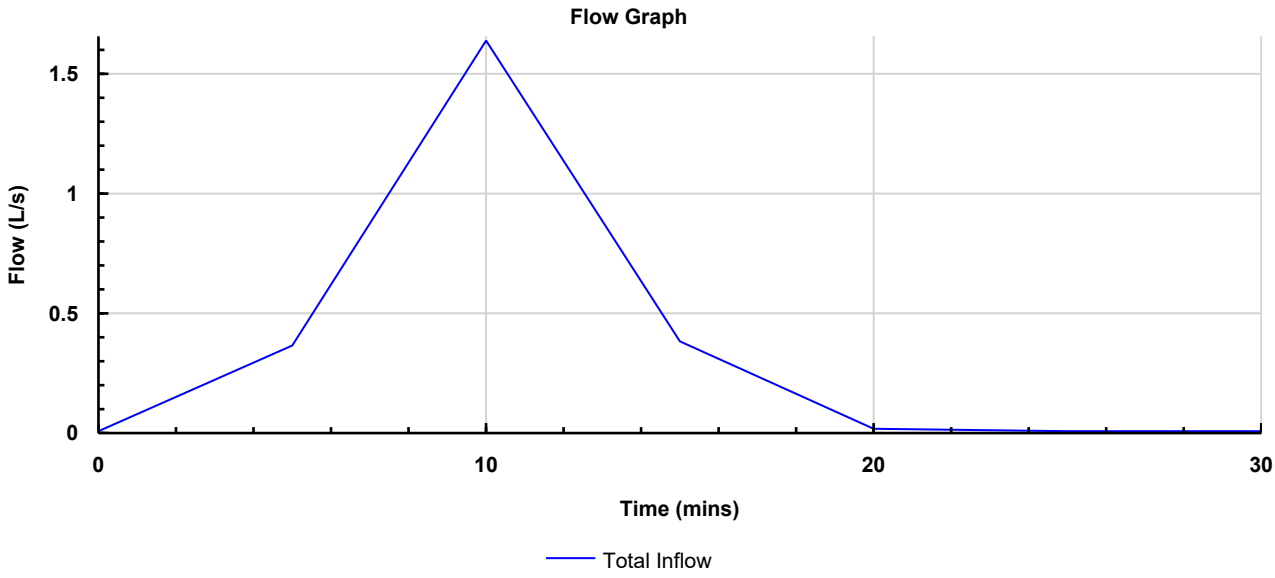
Catchment Area (3)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

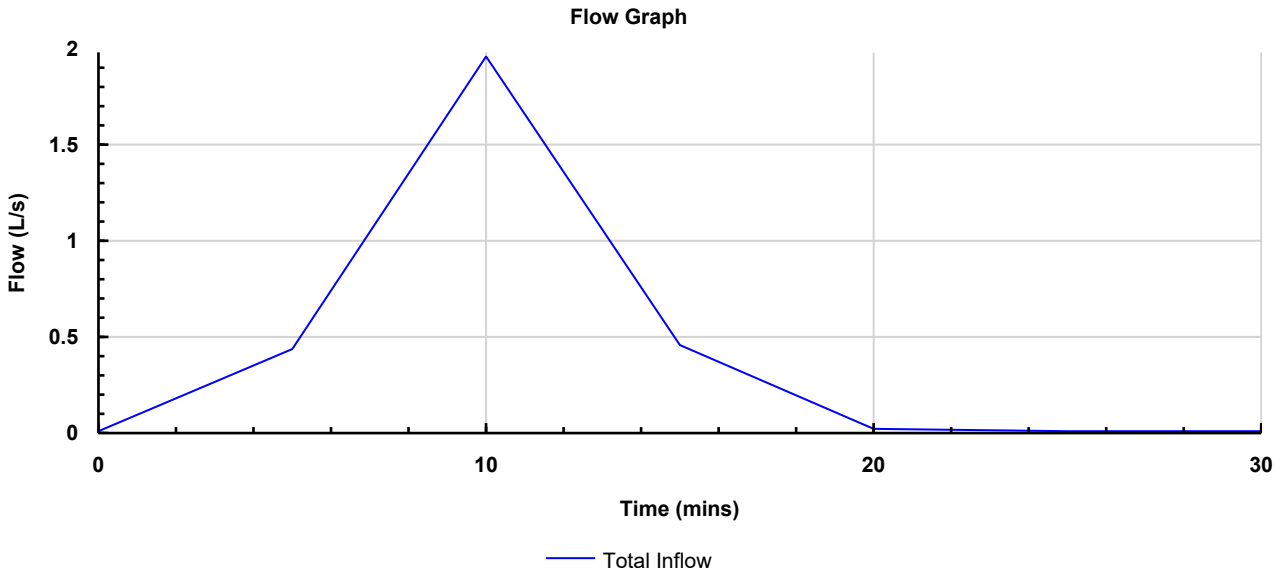
Catchment Area (4)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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	0.5
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		

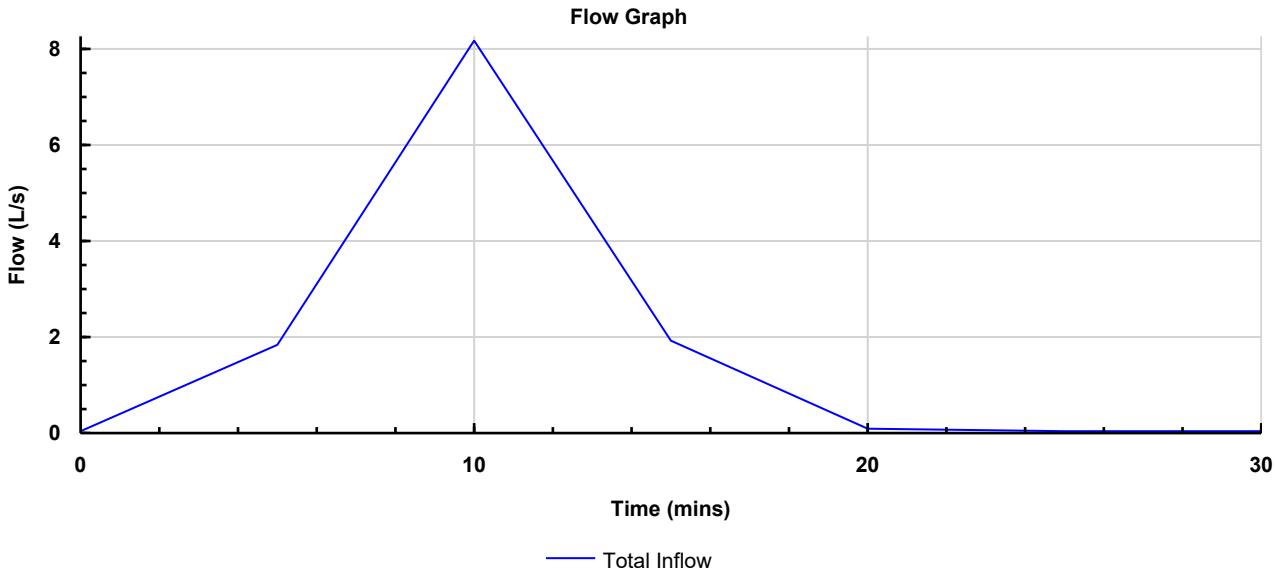
Catchment Area (5)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

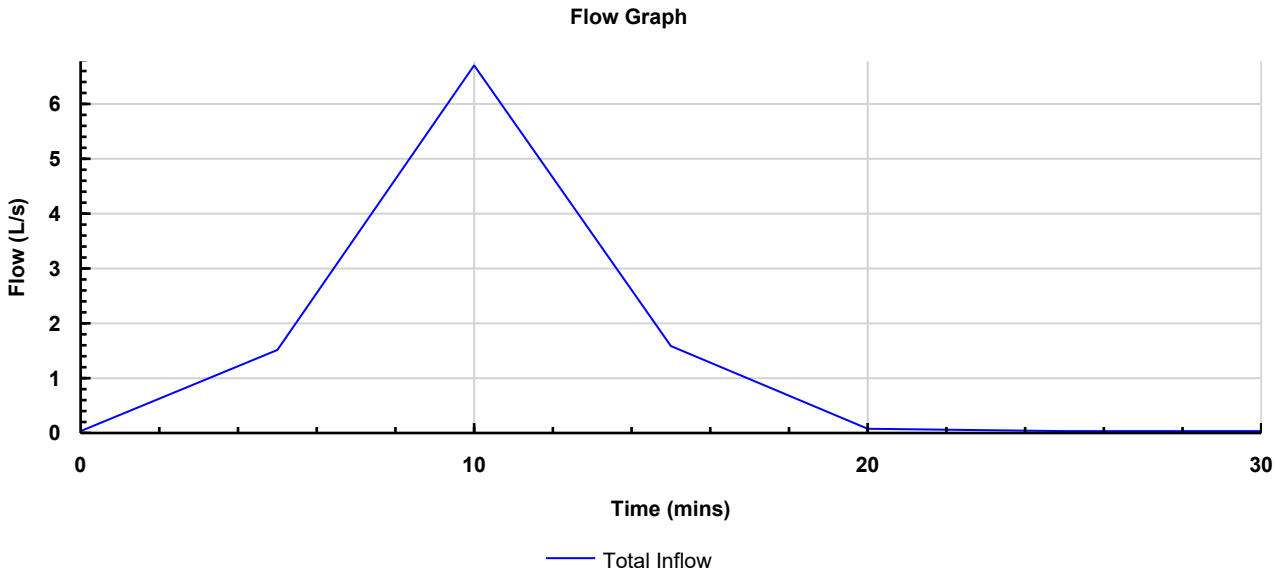
Catchment Area (6)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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

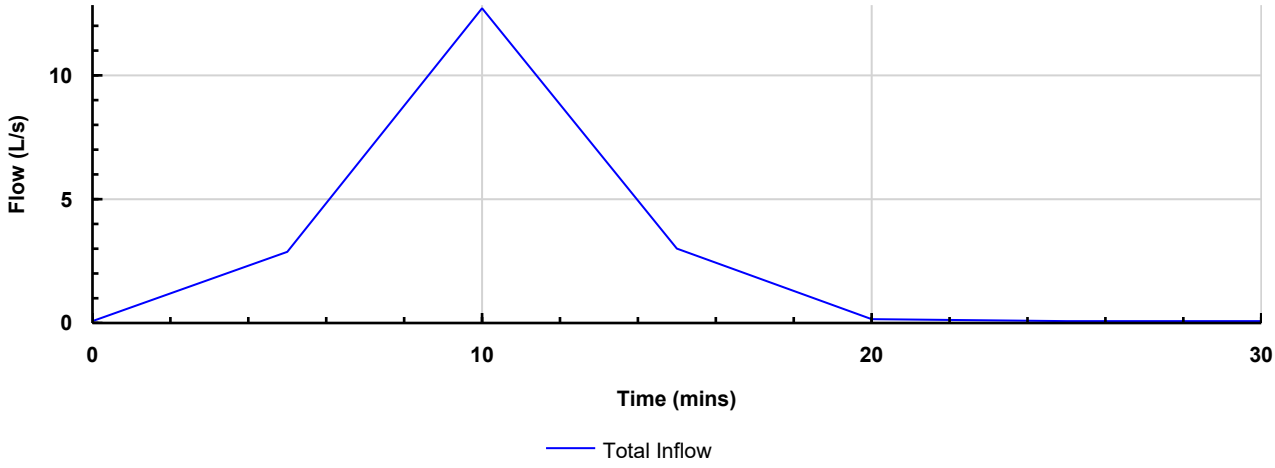
Type : Catchment Area

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	3.0
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		

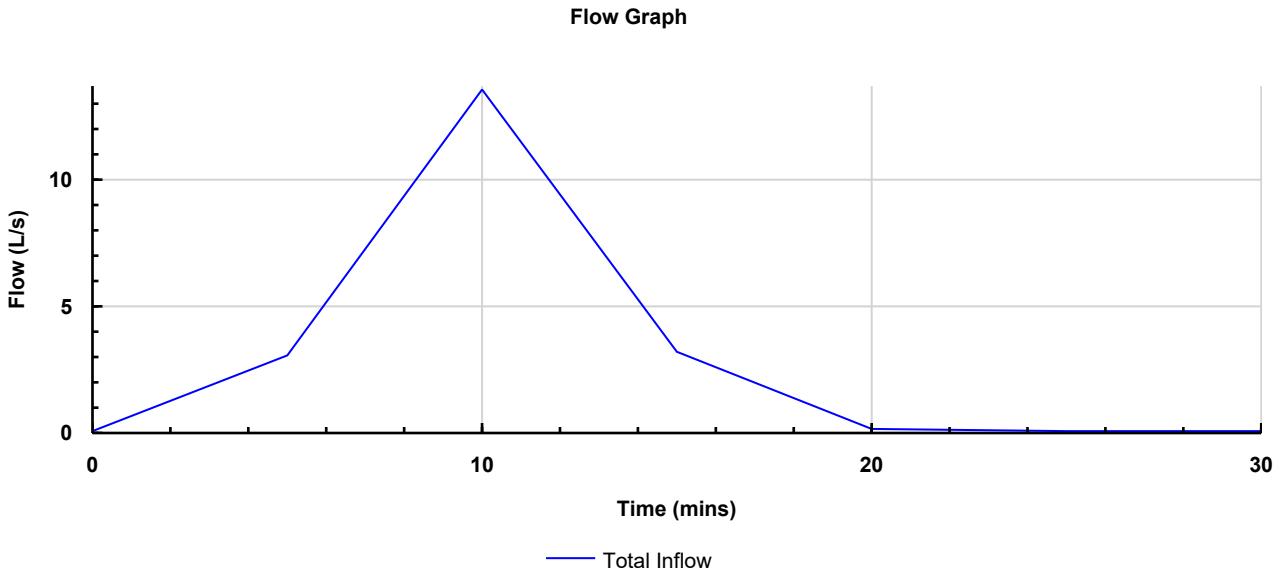
Catchment Area (8)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

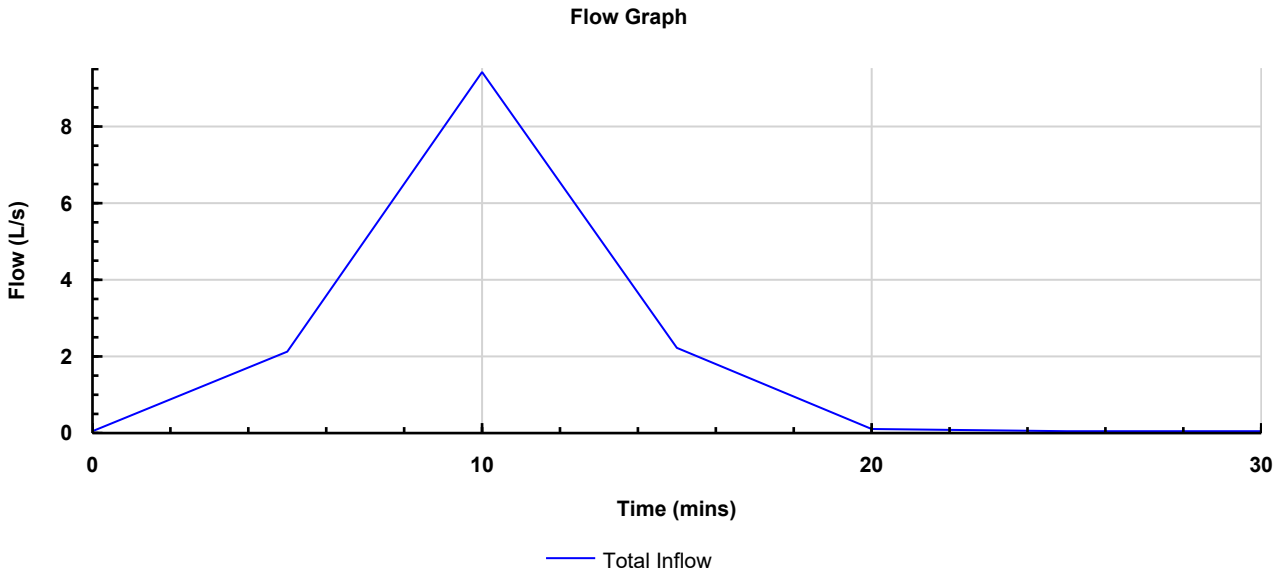
Catchment Area (9)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

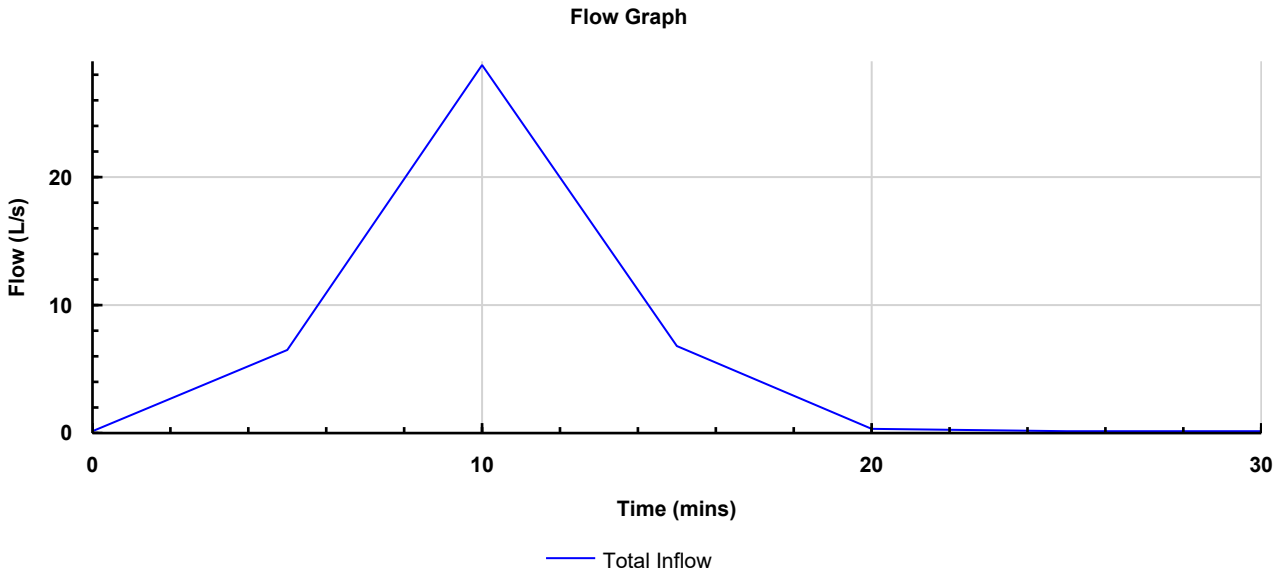
Catchment Area (10)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

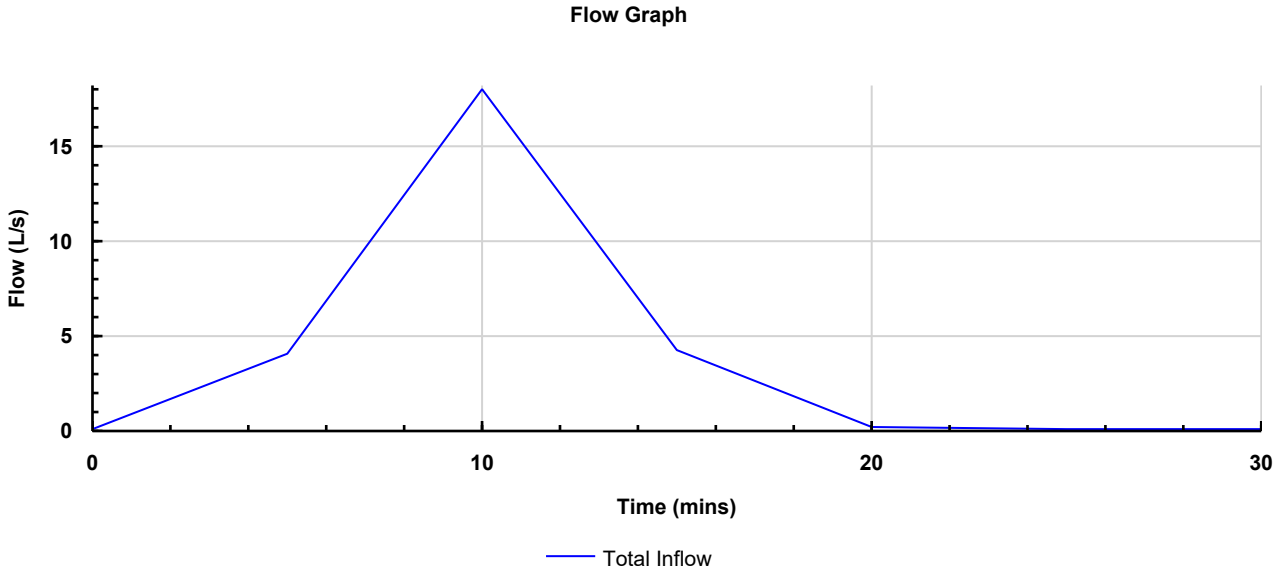
Catchment Area (11)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

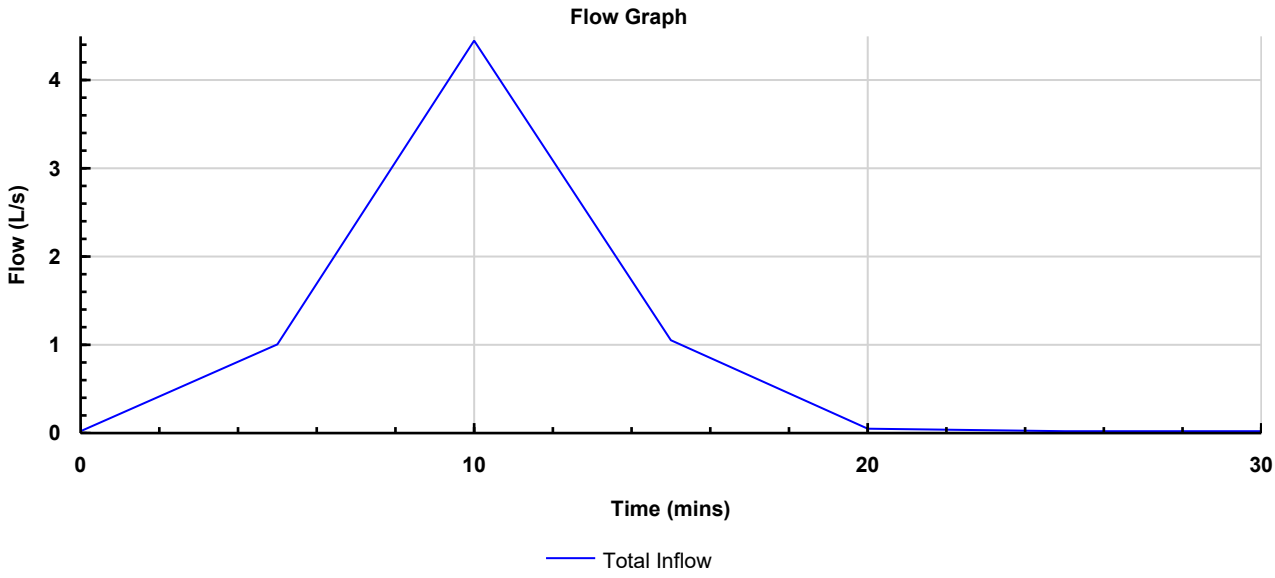
Catchment Area (12)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

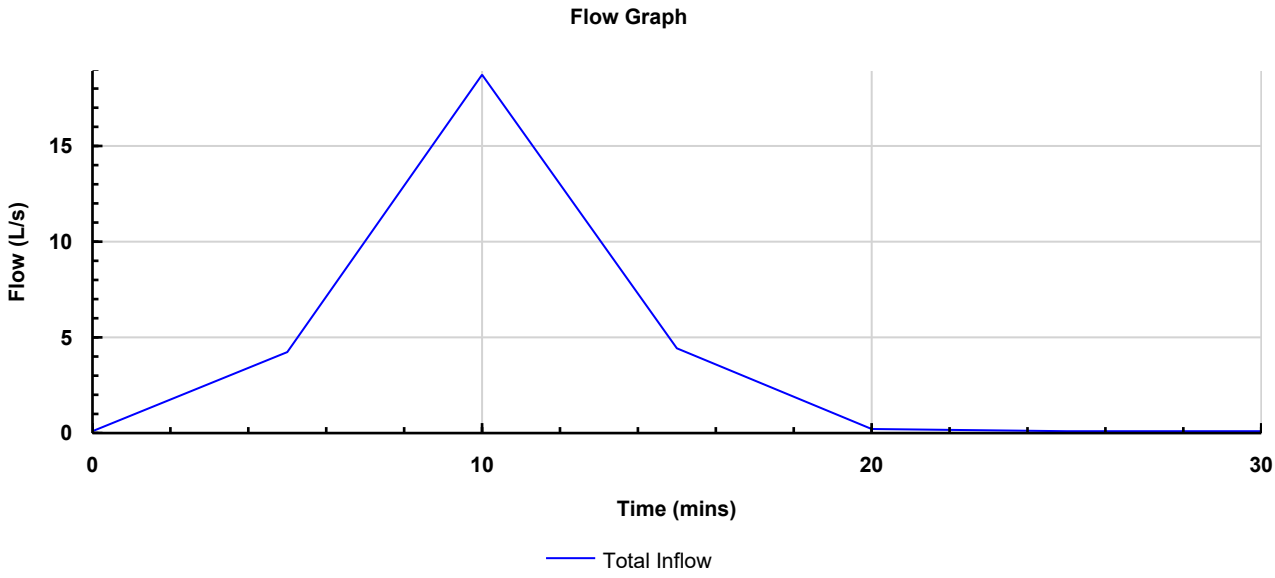
Catchment Area (13)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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	4.4
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		

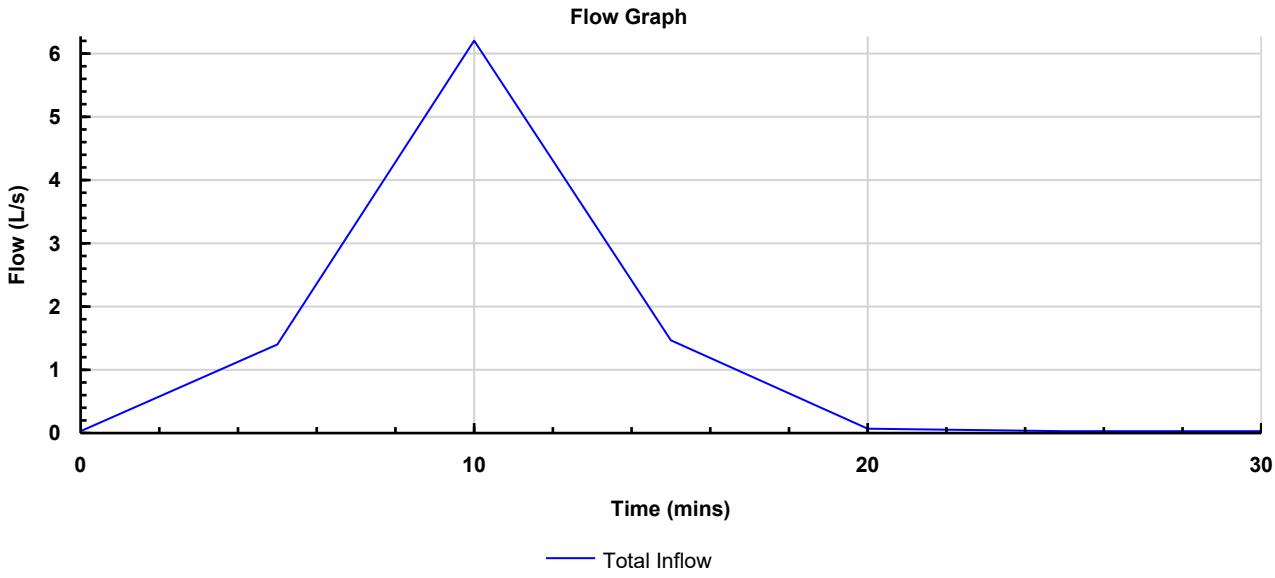
Catchment Area (14)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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		

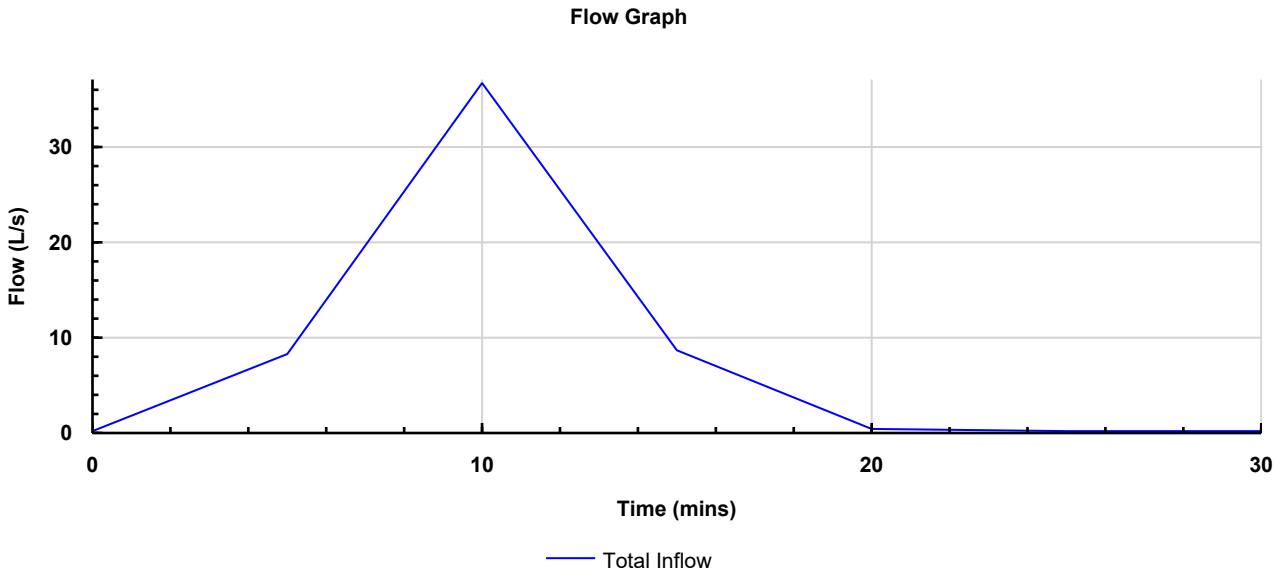
Catchment Area (15)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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

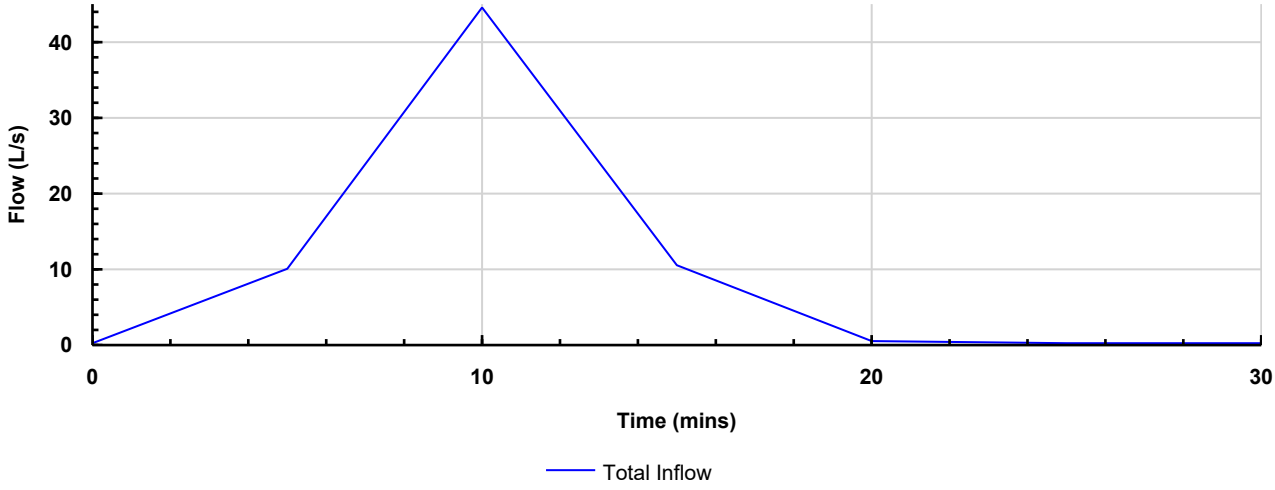
Type : Catchment Area

Inflow

Max. Inflow (L/s)	44.6
Total Inflow Volume (m³)	19.395

Graphs

Flow Graph



Tables

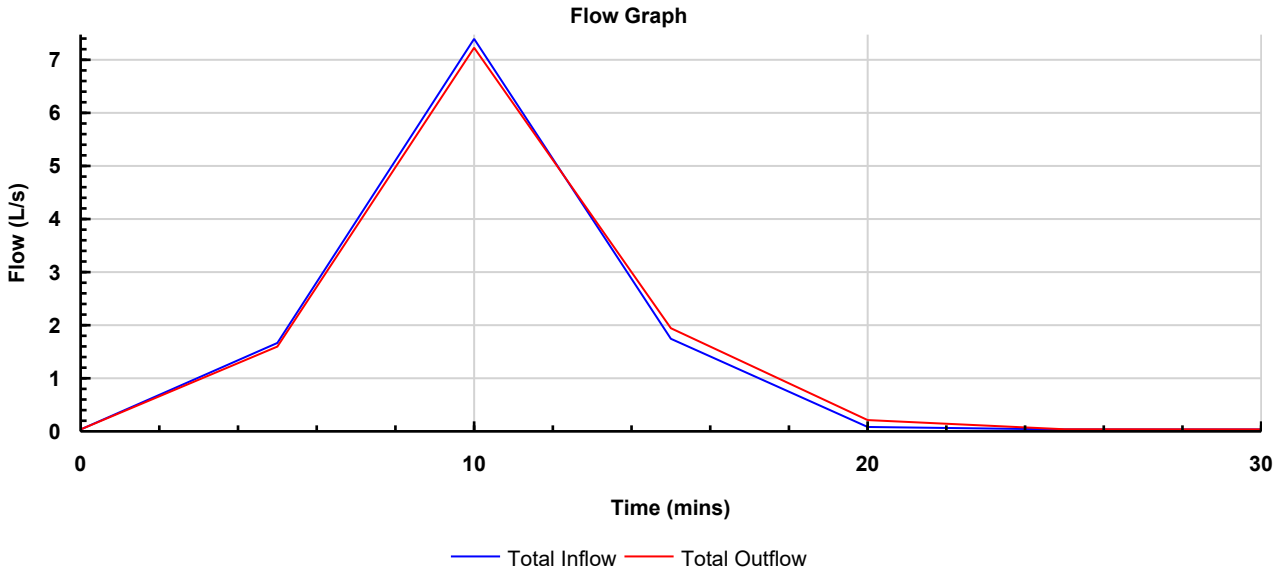
Time (mins)	Total Inflow (L/s)
0	0.0
5	9.9
10	44.6
15	10.4
20	0.3
25	0.0
30	0.0

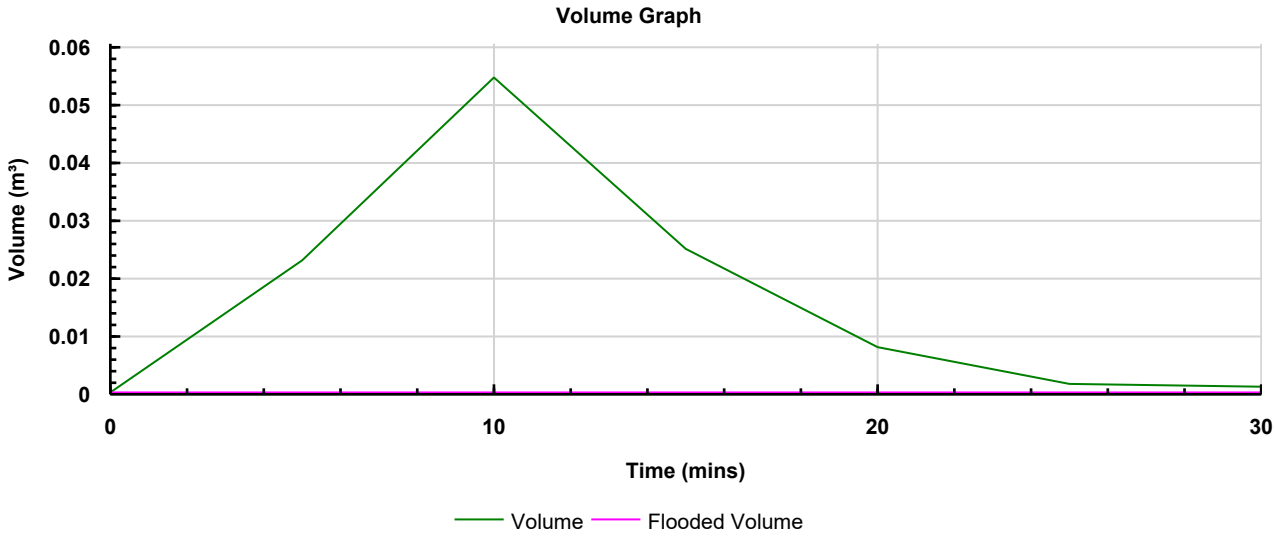
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH201 Type : Manhole

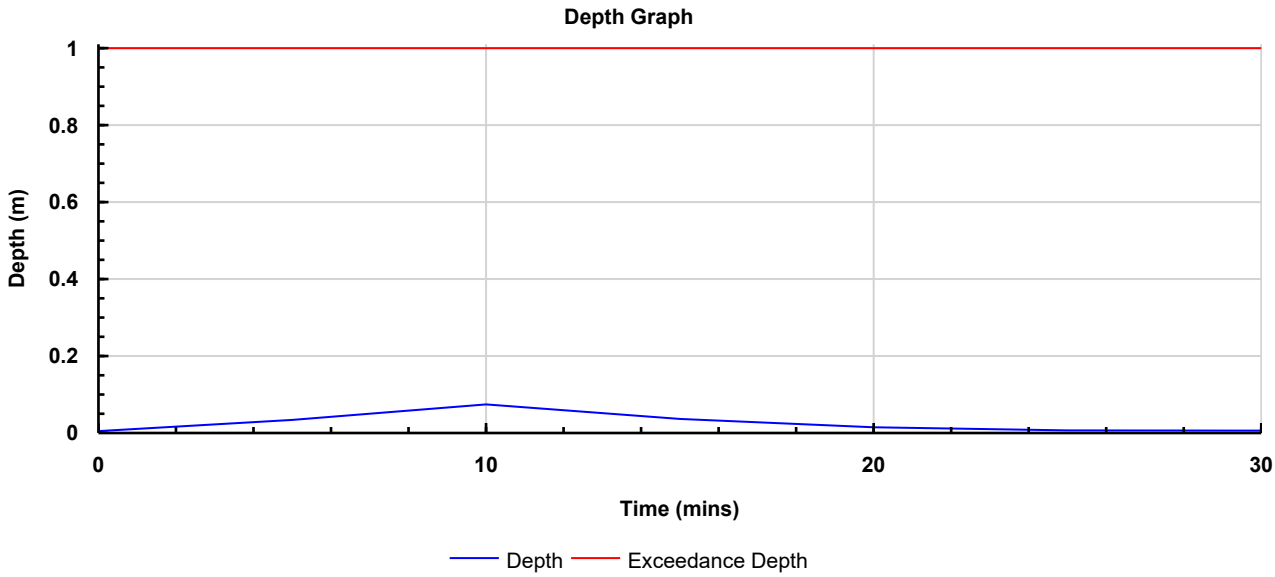
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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

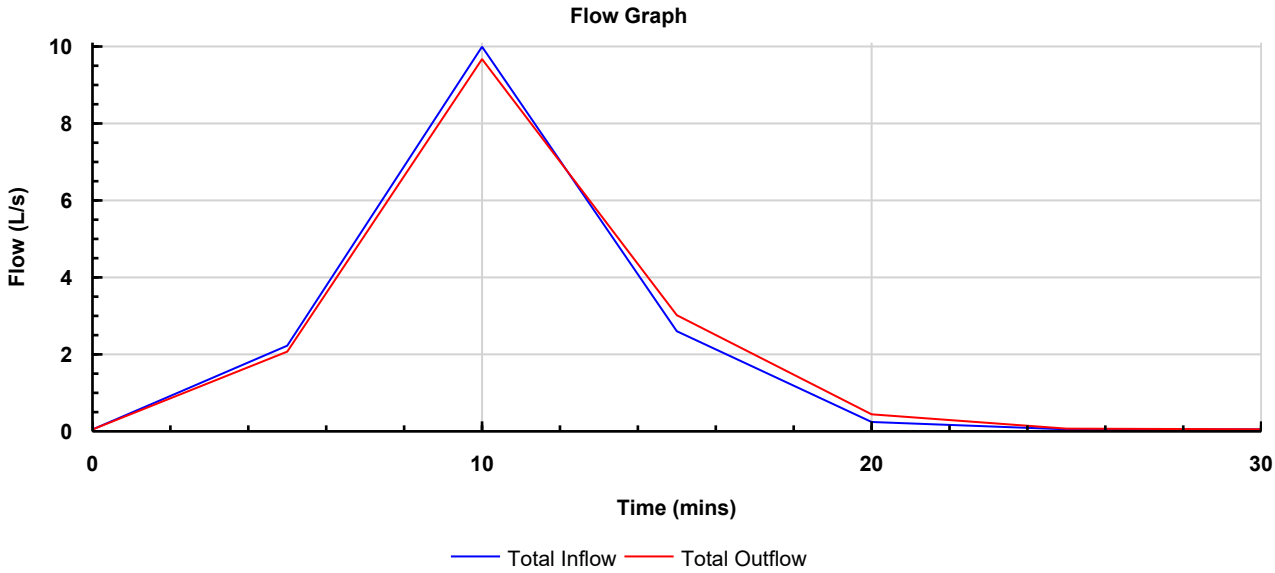
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	1.6	0.029	0.023	0.000	1.6
10	7.4	0.070	0.055	0.000	7.2
15	1.7	0.032	0.025	0.000	1.9
20	0.0	0.010	0.008	0.000	0.2
25	0.0	0.002	0.001	0.000	0.0
30	0.0	0.001	0.001	0.000	0.0

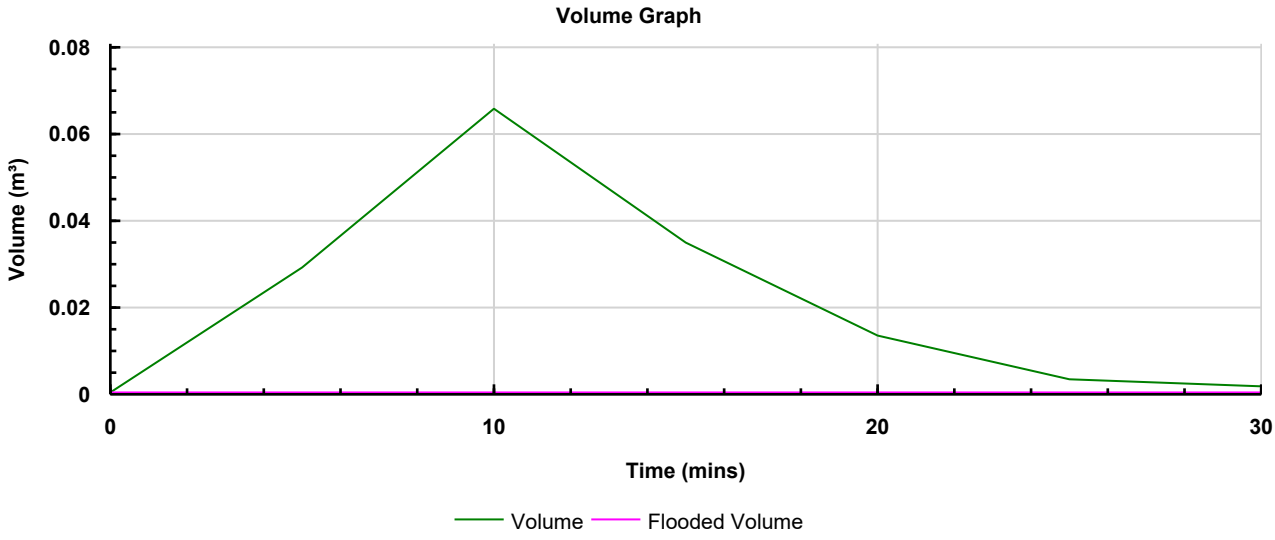
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH202 Type : Manhole

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

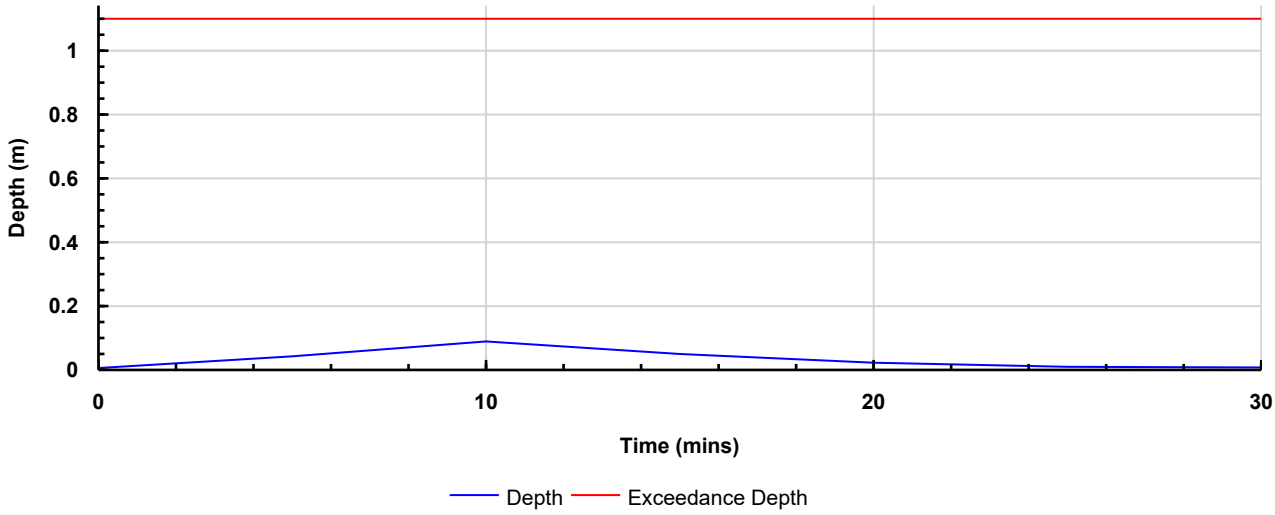
Graphs





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

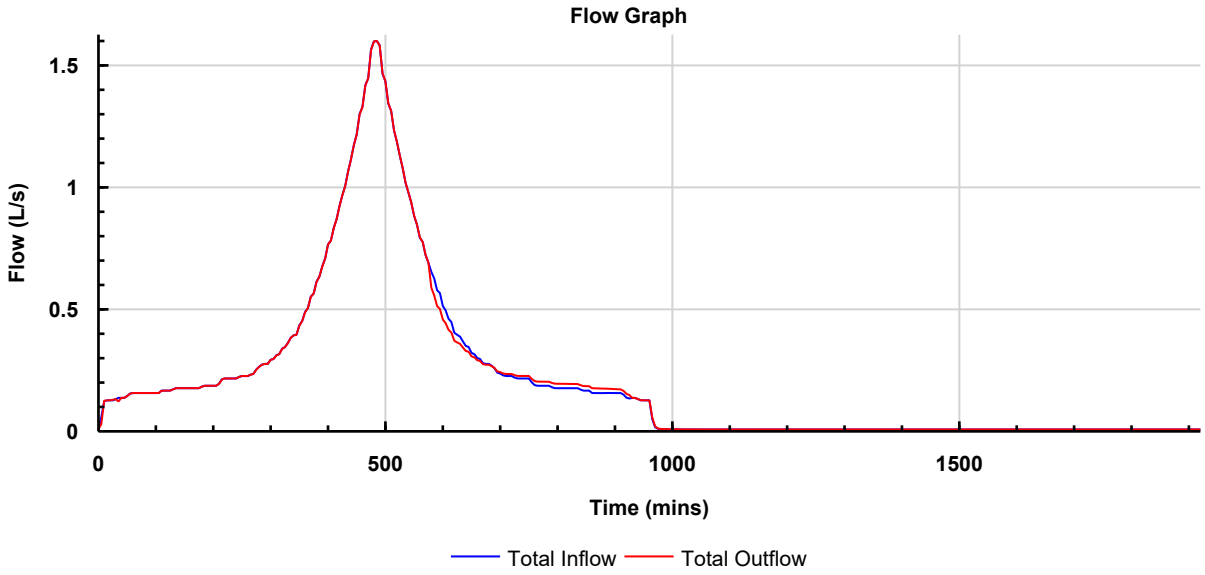
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	2.2	0.037	0.029	0.000	2.0
10	10.0	0.084	0.066	0.000	9.7
15	2.6	0.044	0.035	0.000	3.0
20	0.2	0.017	0.013	0.000	0.4
25	0.0	0.004	0.003	0.000	0.0
30	0.0	0.002	0.001	0.000	0.0

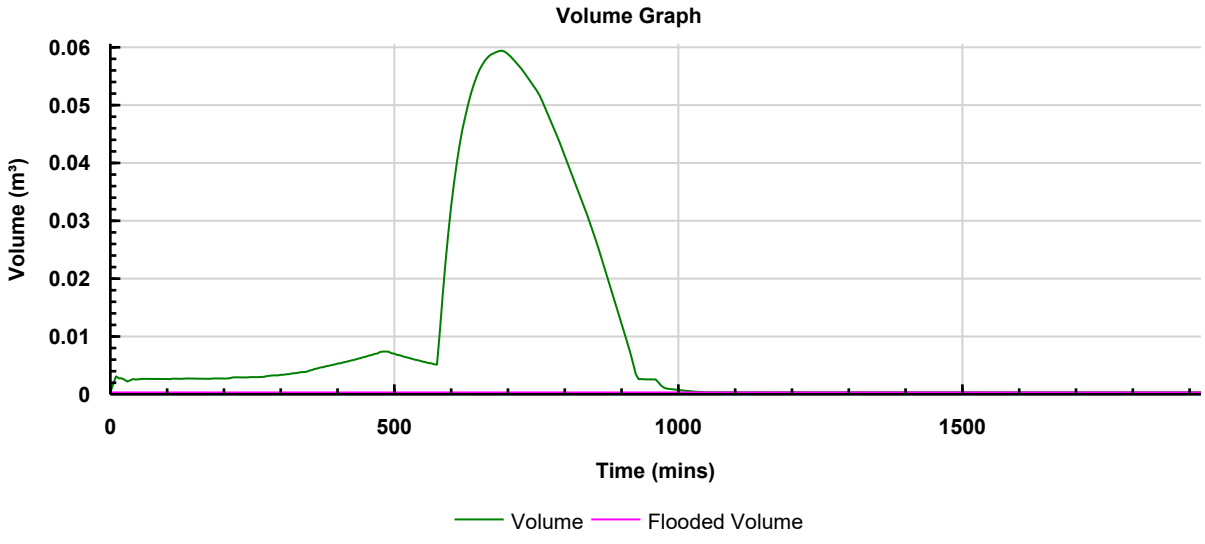
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH203 Type : Manhole

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

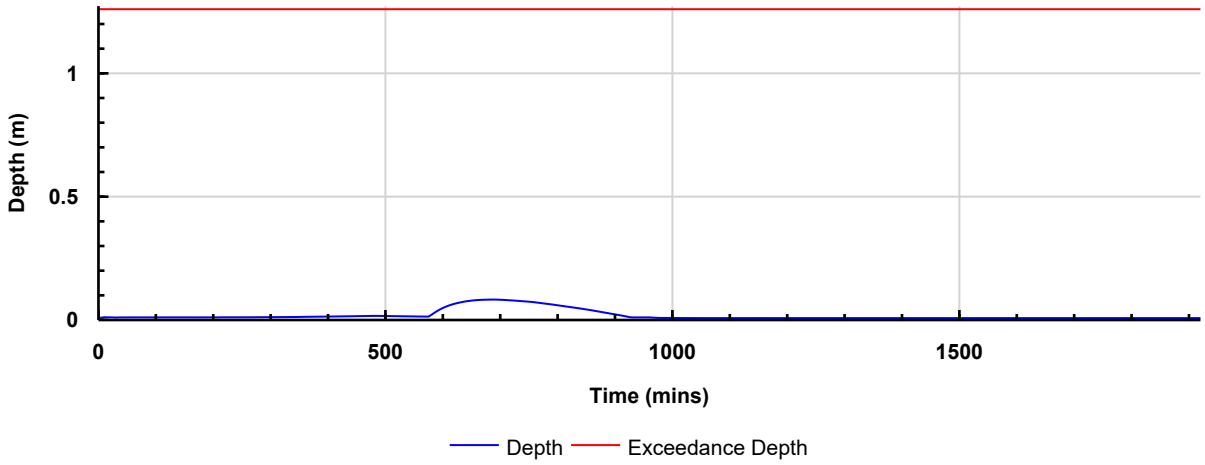
Graphs





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	0.006	0.005	0.000	0.7
575	0.7	0.006	0.005	0.000	0.7
580	0.6	0.013	0.010	0.000	0.6
585	0.6	0.021	0.017	0.000	0.6
590	0.6	0.029	0.023	0.000	0.5
595	0.6	0.035	0.028	0.000	0.5
600	0.5	0.041	0.032	0.000	0.5
605	0.5	0.046	0.036	0.000	0.4
610	0.5	0.051	0.040	0.000	0.4
615	0.4	0.055	0.043	0.000	0.4
620	0.4	0.058	0.046	0.000	0.4
625	0.4	0.061	0.048	0.000	0.4
630	0.4	0.064	0.050	0.000	0.4
635	0.4	0.066	0.052	0.000	0.3
640	0.3	0.068	0.054	0.000	0.3
645	0.3	0.070	0.055	0.000	0.3
650	0.3	0.071	0.056	0.000	0.3
655	0.3	0.073	0.057	0.000	0.3
660	0.3	0.074	0.058	0.000	0.3
665	0.3	0.074	0.058	0.000	0.3
670	0.3	0.075	0.059	0.000	0.3
675	0.3	0.075	0.059	0.000	0.3
680	0.3	0.075	0.059	0.000	0.3
685	0.3	0.076	0.059	0.000	0.3
690	0.3	0.076	0.059	0.000	0.3
695	0.2	0.075	0.059	0.000	0.2
700	0.2	0.075	0.059	0.000	0.2
705	0.2	0.074	0.058	0.000	0.2
710	0.2	0.074	0.058	0.000	0.2
715	0.2	0.073	0.057	0.000	0.2
720	0.2	0.072	0.057	0.000	0.2
725	0.2	0.071	0.056	0.000	0.2
730	0.2	0.071	0.055	0.000	0.2
735	0.2	0.070	0.055	0.000	0.2
740	0.2	0.069	0.054	0.000	0.2
745	0.2	0.068	0.053	0.000	0.2
750	0.2	0.067	0.053	0.000	0.2
755	0.2	0.066	0.052	0.000	0.2
760	0.2	0.065	0.051	0.000	0.2
765	0.2	0.063	0.050	0.000	0.2
770	0.2	0.062	0.048	0.000	0.2
775	0.2	0.060	0.047	0.000	0.2
780	0.2	0.059	0.046	0.000	0.2
785	0.2	0.057	0.045	0.000	0.2
790	0.2	0.056	0.044	0.000	0.2
795	0.2	0.054	0.042	0.000	0.2
800	0.2	0.052	0.041	0.000	0.2
805	0.2	0.051	0.040	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	0.049	0.038	0.000	0.2
815	0.2	0.047	0.037	0.000	0.2
820	0.2	0.046	0.036	0.000	0.2
825	0.2	0.044	0.035	0.000	0.2
830	0.2	0.042	0.033	0.000	0.2
835	0.2	0.041	0.032	0.000	0.2
840	0.2	0.039	0.031	0.000	0.2
845	0.2	0.037	0.029	0.000	0.2
850	0.2	0.035	0.028	0.000	0.2
855	0.2	0.034	0.026	0.000	0.2
860	0.2	0.032	0.025	0.000	0.2
865	0.1	0.030	0.023	0.000	0.2
870	0.1	0.028	0.022	0.000	0.2
875	0.1	0.025	0.020	0.000	0.2
880	0.1	0.023	0.018	0.000	0.2
885	0.2	0.021	0.017	0.000	0.2
890	0.2	0.019	0.015	0.000	0.2
895	0.2	0.017	0.014	0.000	0.2
900	0.1	0.015	0.012	0.000	0.2
905	0.1	0.013	0.010	0.000	0.2
910	0.2	0.011	0.009	0.000	0.2
915	0.1	0.009	0.007	0.000	0.2
920	0.1	0.007	0.005	0.000	0.1
925	0.1	0.004	0.003	0.000	0.1
930	0.1	0.003	0.002	0.000	0.1
935	0.1	0.003	0.002	0.000	0.1
940	0.1	0.003	0.002	0.000	0.1
945	0.1	0.003	0.002	0.000	0.1
950	0.1	0.003	0.002	0.000	0.1
955	0.1	0.003	0.002	0.000	0.1
960	0.1	0.003	0.002	0.000	0.1
965	0.0	0.002	0.002	0.000	0.0
970	0.0	0.001	0.001	0.000	0.0
975	0.0	0.001	0.001	0.000	0.0
980	0.0	0.001	0.001	0.000	0.0
985	0.0	0.001	0.001	0.000	0.0
990	0.0	0.001	0.001	0.000	0.0
995	0.0	0.001	0.000	0.000	0.0
1000	0.0	0.001	0.000	0.000	0.0
1005	0.0	0.000	0.000	0.000	0.0
1010	0.0	0.000	0.000	0.000	0.0
1015	0.0	0.000	0.000	0.000	0.0
1020	0.0	0.000	0.000	0.000	0.0
1025	0.0	0.000	0.000	0.000	0.0
1030	0.0	0.000	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		

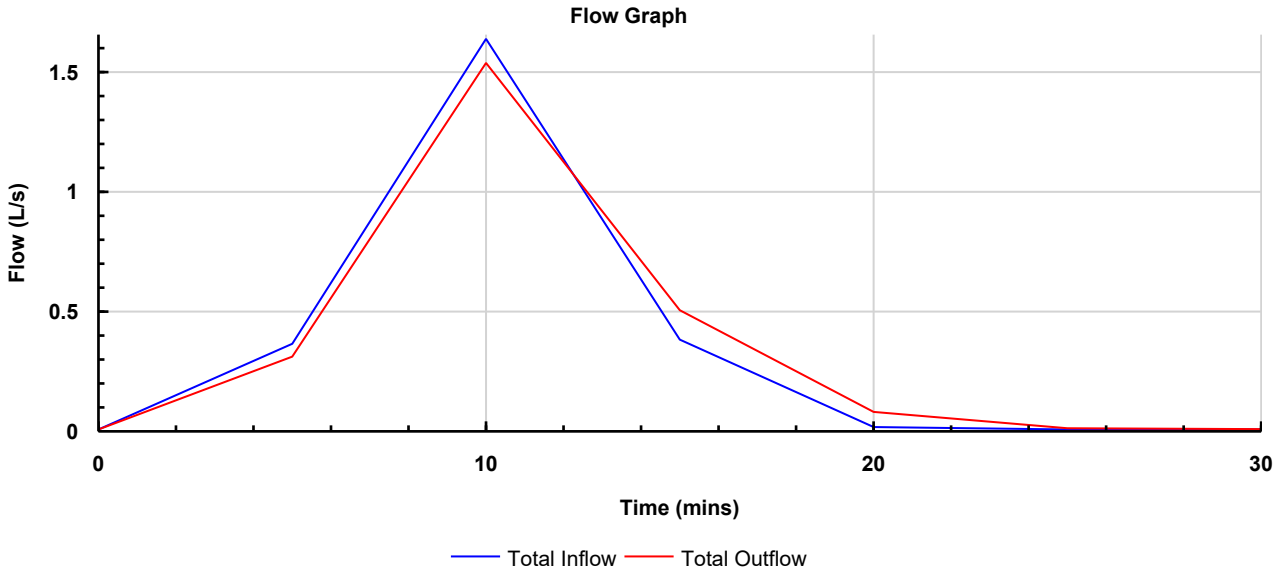
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1910	0.0	0.000	0.000	0.000	0.0
1915	0.0	0.000	0.000	0.000	0.0
1920	0.0	0.000	0.000	0.000	0.0

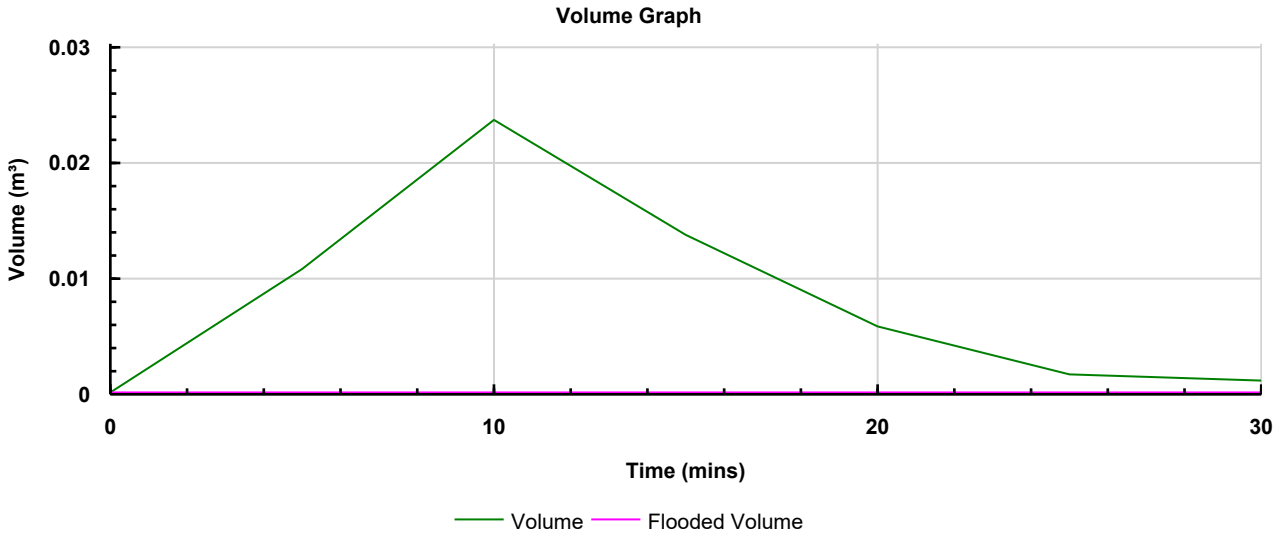
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SIC202 Type : Manhole

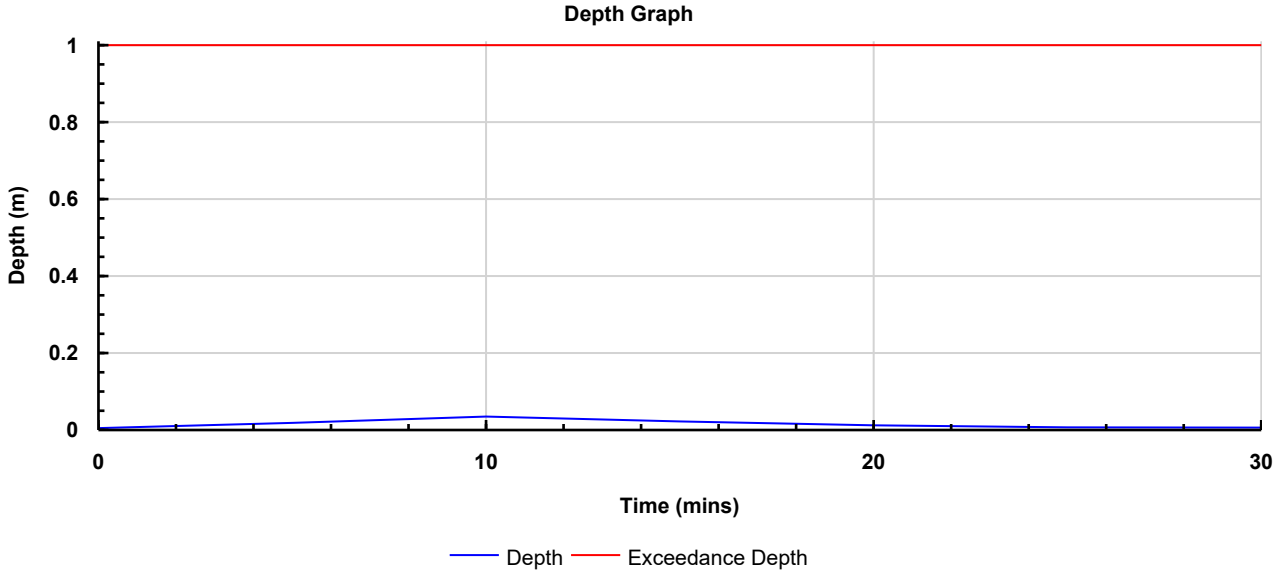
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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

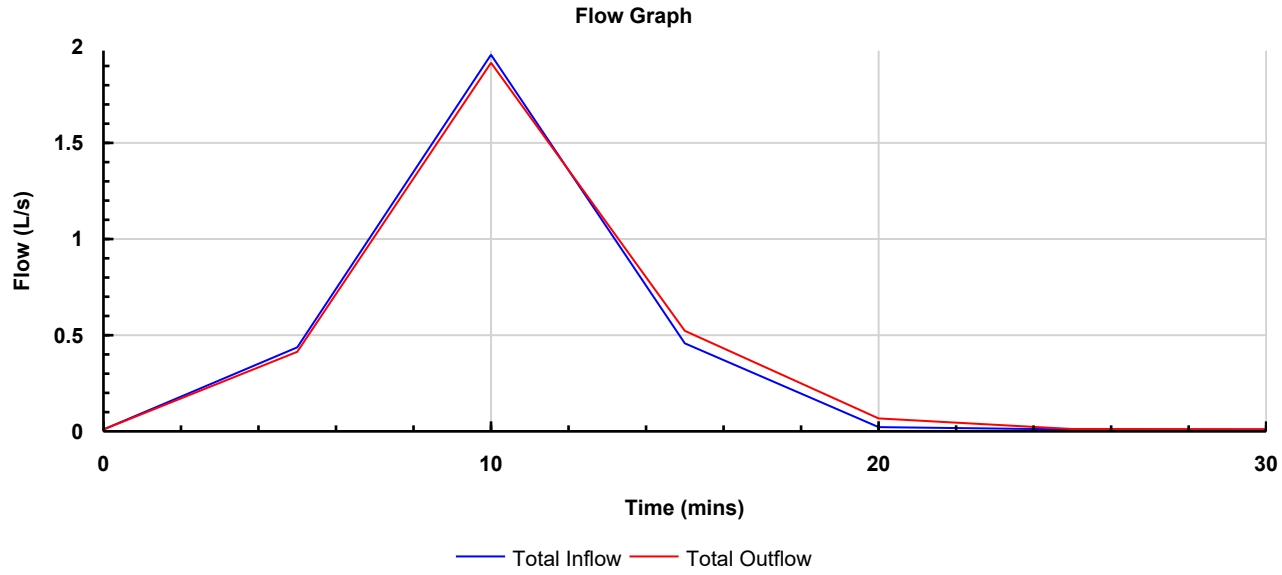
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

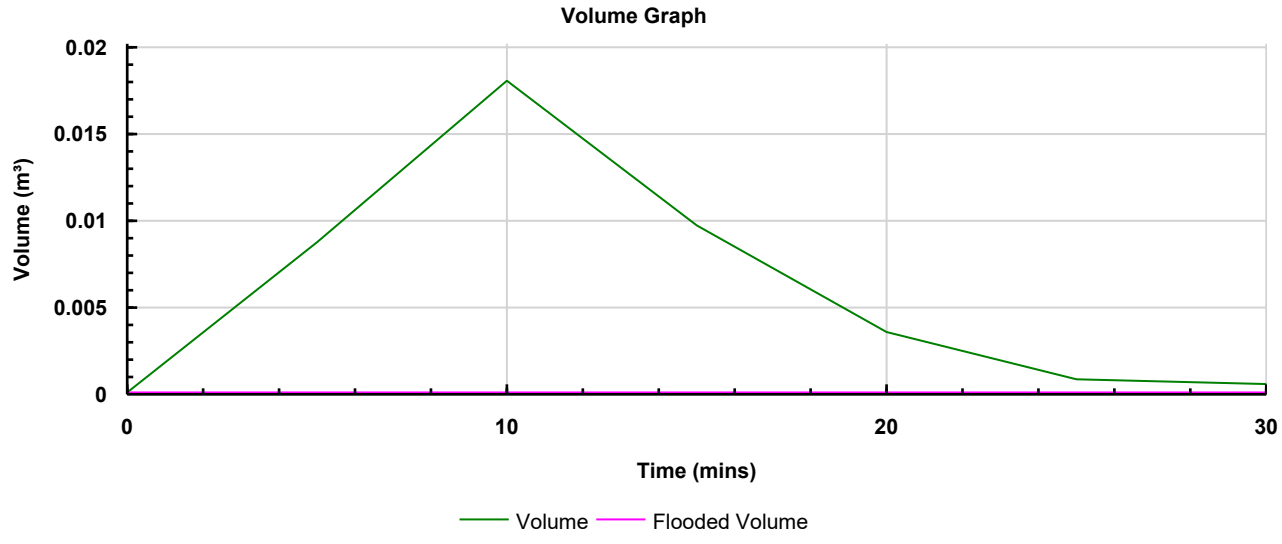
SIC302

Type : Manhole

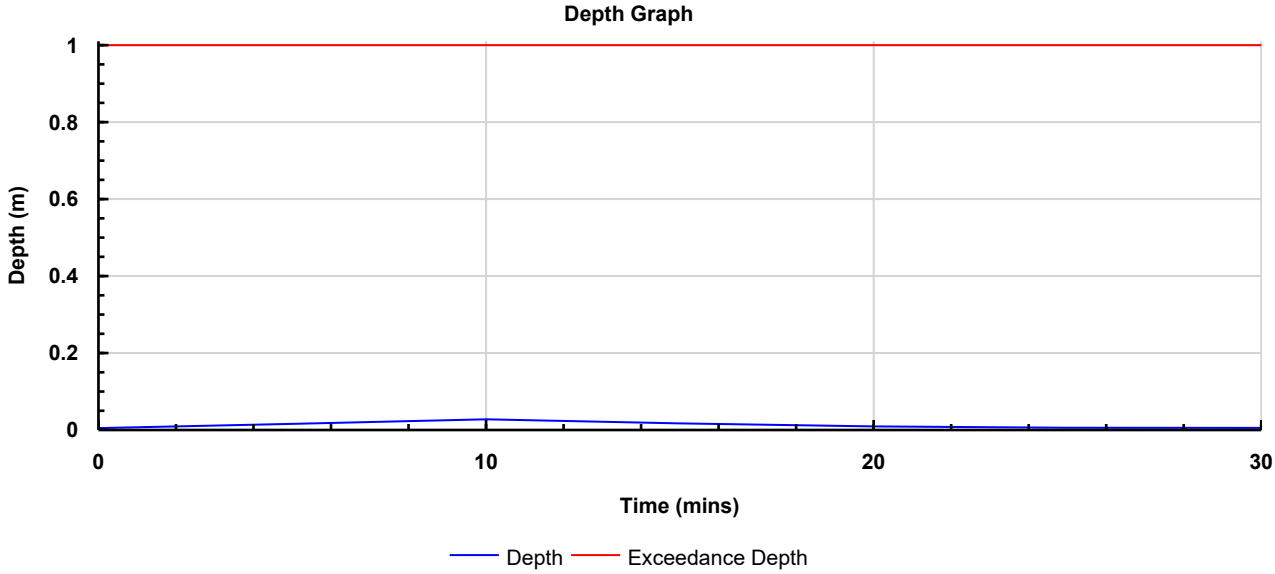
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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

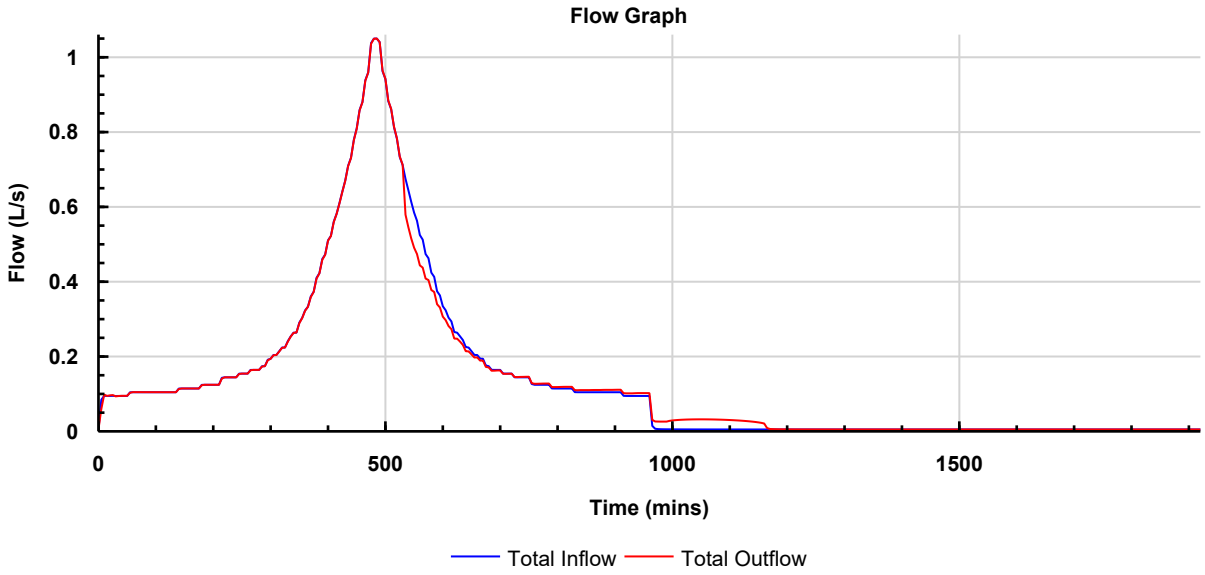
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.4	0.011	0.009	0.000	0.4
10	2.0	0.023	0.018	0.000	1.9
15	0.5	0.012	0.010	0.000	0.5
20	0.0	0.004	0.004	0.000	0.1
25	0.0	0.001	0.001	0.000	0.0
30	0.0	0.001	0.000	0.000	0.0

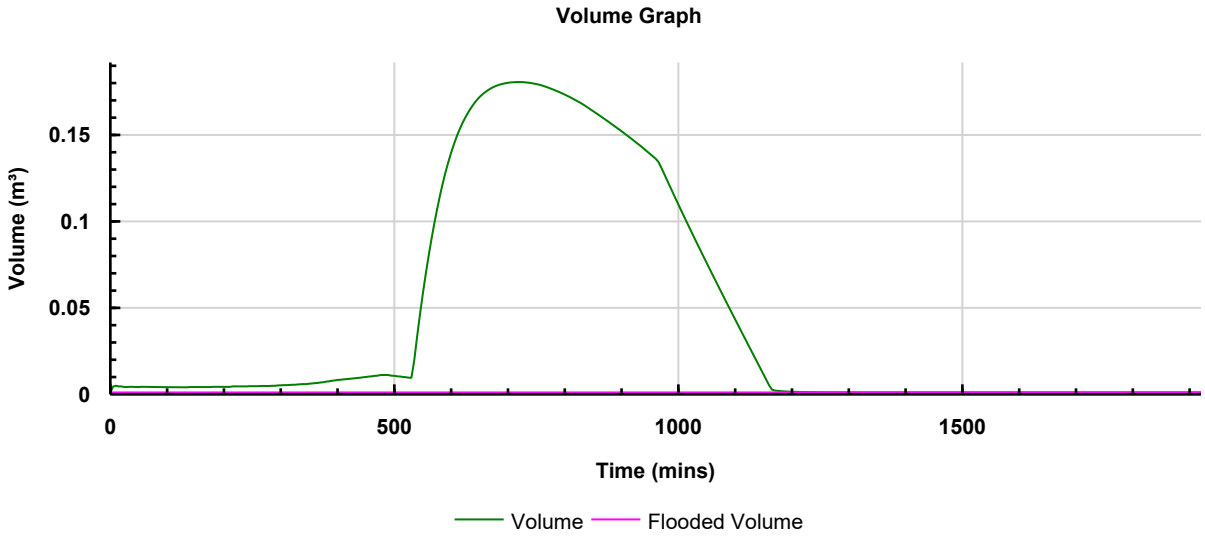
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH304 Type : Manhole

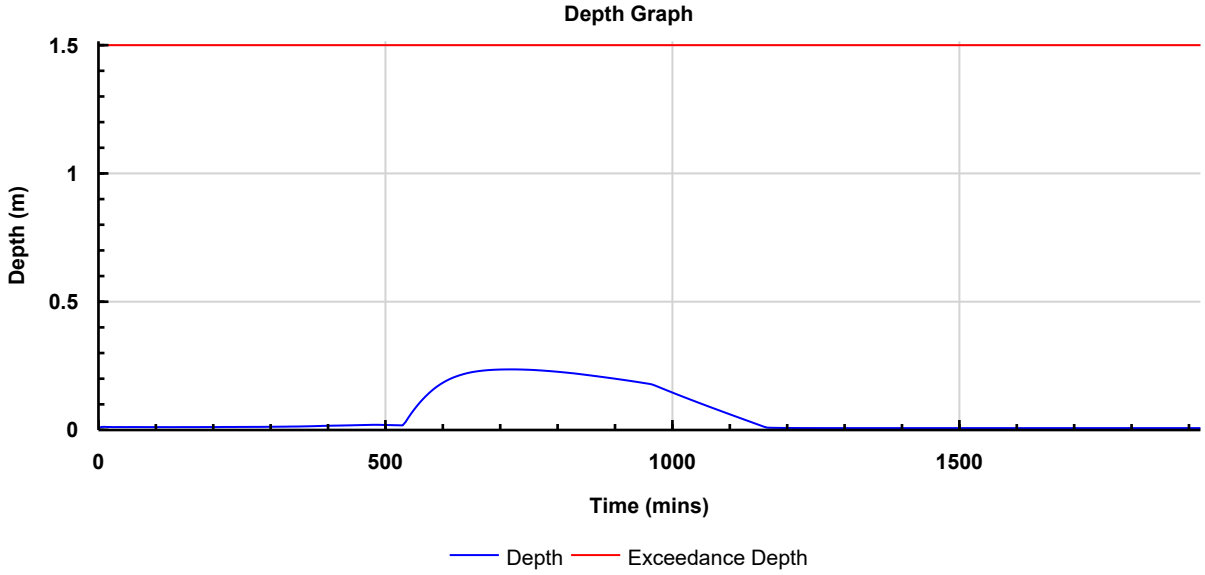
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 960 mins: Summer

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		



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	0.004	0.003	0.000	0.1
10	0.1	0.005	0.004	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	0.004	0.003	0.000	0.1
30	0.1	0.004	0.003	0.000	0.1
35	0.1	0.004	0.003	0.000	0.1
40	0.1	0.004	0.003	0.000	0.1
45	0.1	0.004	0.003	0.000	0.1
50	0.1	0.004	0.003	0.000	0.1
55	0.1	0.004	0.003	0.000	0.1
60	0.1	0.004	0.003	0.000	0.1
65	0.1	0.004	0.003	0.000	0.1
70	0.1	0.004	0.003	0.000	0.1
75	0.1	0.004	0.003	0.000	0.1
80	0.1	0.004	0.003	0.000	0.1
85	0.1	0.004	0.003	0.000	0.1
90	0.1	0.004	0.003	0.000	0.1
95	0.1	0.004	0.003	0.000	0.1
100	0.1	0.004	0.003	0.000	0.1
105	0.1	0.004	0.003	0.000	0.1
110	0.1	0.004	0.003	0.000	0.1
115	0.1	0.004	0.003	0.000	0.1
120	0.1	0.004	0.003	0.000	0.1
125	0.1	0.004	0.003	0.000	0.1
130	0.1	0.004	0.003	0.000	0.1
135	0.1	0.004	0.003	0.000	0.1
140	0.1	0.004	0.003	0.000	0.1
145	0.1	0.004	0.003	0.000	0.1
150	0.1	0.004	0.003	0.000	0.1
155	0.1	0.004	0.003	0.000	0.1
160	0.1	0.004	0.003	0.000	0.1
165	0.1	0.004	0.003	0.000	0.1
170	0.1	0.004	0.003	0.000	0.1
175	0.1	0.004	0.003	0.000	0.1
180	0.1	0.004	0.003	0.000	0.1
185	0.1	0.004	0.003	0.000	0.1
190	0.1	0.004	0.003	0.000	0.1
195	0.1	0.004	0.003	0.000	0.1
200	0.1	0.004	0.003	0.000	0.1
205	0.1	0.004	0.003	0.000	0.1
210	0.1	0.004	0.003	0.000	0.1
215	0.1	0.004	0.003	0.000	0.1
220	0.1	0.005	0.004	0.000	0.1
225	0.1	0.005	0.004	0.000	0.1
230	0.1	0.004	0.004	0.000	0.1
235	0.1	0.004	0.004	0.000	0.1
240	0.1	0.004	0.004	0.000	0.1
245	0.1	0.005	0.004	0.000	0.1
250	0.2	0.005	0.004	0.000	0.2
255	0.2	0.005	0.004	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	0.005	0.004	0.000	0.2
265	0.2	0.005	0.004	0.000	0.2
270	0.2	0.005	0.004	0.000	0.2
275	0.2	0.005	0.004	0.000	0.2
280	0.2	0.005	0.004	0.000	0.2
285	0.2	0.005	0.004	0.000	0.2
290	0.2	0.005	0.004	0.000	0.2
295	0.2	0.005	0.004	0.000	0.2
300	0.2	0.005	0.004	0.000	0.2
305	0.2	0.005	0.004	0.000	0.2
310	0.2	0.005	0.004	0.000	0.2
315	0.2	0.006	0.004	0.000	0.2
320	0.2	0.006	0.004	0.000	0.2
325	0.2	0.006	0.004	0.000	0.2
330	0.2	0.006	0.005	0.000	0.2
335	0.2	0.006	0.005	0.000	0.2
340	0.3	0.006	0.005	0.000	0.3
345	0.3	0.006	0.005	0.000	0.3
350	0.3	0.006	0.005	0.000	0.3
355	0.3	0.007	0.005	0.000	0.3
360	0.3	0.007	0.005	0.000	0.3
365	0.3	0.007	0.006	0.000	0.3
370	0.4	0.007	0.006	0.000	0.4
375	0.4	0.008	0.006	0.000	0.4
380	0.4	0.008	0.006	0.000	0.4
385	0.4	0.008	0.006	0.000	0.4
390	0.5	0.009	0.007	0.000	0.5
395	0.5	0.009	0.007	0.000	0.5
400	0.5	0.009	0.007	0.000	0.5
405	0.5	0.009	0.007	0.000	0.5
410	0.6	0.010	0.008	0.000	0.6
415	0.6	0.010	0.008	0.000	0.6
420	0.6	0.010	0.008	0.000	0.6
425	0.6	0.010	0.008	0.000	0.6
430	0.7	0.010	0.008	0.000	0.7
435	0.7	0.011	0.008	0.000	0.7
440	0.7	0.011	0.009	0.000	0.7
445	0.8	0.011	0.009	0.000	0.8
450	0.8	0.011	0.009	0.000	0.8
455	0.9	0.012	0.009	0.000	0.9
460	0.9	0.012	0.009	0.000	0.9
465	0.9	0.012	0.010	0.000	0.9
470	1.0	0.012	0.010	0.000	1.0
475	1.0	0.013	0.010	0.000	1.0
480	1.0	0.013	0.010	0.000	1.0
485	1.0	0.013	0.010	0.000	1.0
490	1.0	0.013	0.010	0.000	1.0
495	1.0	0.012	0.010	0.000	1.0
500	0.9	0.012	0.010	0.000	0.9
505	0.9	0.012	0.009	0.000	0.9
510	0.9	0.012	0.009	0.000	0.9
515	0.8	0.011	0.009	0.000	0.8
520	0.8	0.011	0.009	0.000	0.8
525	0.7	0.011	0.009	0.000	0.7
530	0.7	0.011	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	0.024	0.019	0.000	0.6
540	0.6	0.041	0.032	0.000	0.5
545	0.6	0.057	0.045	0.000	0.5
550	0.6	0.073	0.057	0.000	0.5
555	0.6	0.087	0.068	0.000	0.5
560	0.5	0.100	0.079	0.000	0.4
565	0.5	0.113	0.089	0.000	0.4
570	0.5	0.124	0.098	0.000	0.4
575	0.5	0.135	0.106	0.000	0.4
580	0.4	0.145	0.114	0.000	0.4
585	0.4	0.155	0.121	0.000	0.4
590	0.4	0.163	0.128	0.000	0.3
595	0.4	0.171	0.134	0.000	0.3
600	0.3	0.178	0.139	0.000	0.3
605	0.3	0.184	0.144	0.000	0.3
610	0.3	0.190	0.149	0.000	0.3
615	0.3	0.195	0.153	0.000	0.3
620	0.3	0.200	0.157	0.000	0.2
625	0.3	0.204	0.160	0.000	0.2
630	0.3	0.207	0.163	0.000	0.2
635	0.2	0.211	0.166	0.000	0.2
640	0.2	0.214	0.168	0.000	0.2
645	0.2	0.217	0.170	0.000	0.2
650	0.2	0.219	0.172	0.000	0.2
655	0.2	0.221	0.173	0.000	0.2
660	0.2	0.223	0.175	0.000	0.2
665	0.2	0.224	0.176	0.000	0.2
670	0.2	0.225	0.177	0.000	0.2
675	0.2	0.226	0.178	0.000	0.2
680	0.2	0.227	0.178	0.000	0.2
685	0.2	0.228	0.179	0.000	0.2
690	0.2	0.229	0.179	0.000	0.2
695	0.2	0.229	0.180	0.000	0.2
700	0.2	0.229	0.180	0.000	0.2
705	0.2	0.230	0.180	0.000	0.1
710	0.1	0.230	0.180	0.000	0.1
715	0.1	0.230	0.181	0.000	0.1
720	0.1	0.230	0.181	0.000	0.1
725	0.1	0.230	0.181	0.000	0.1
730	0.1	0.230	0.180	0.000	0.1
735	0.1	0.230	0.180	0.000	0.1
740	0.1	0.229	0.180	0.000	0.1
745	0.1	0.229	0.180	0.000	0.1
750	0.1	0.228	0.179	0.000	0.1
755	0.1	0.228	0.179	0.000	0.1
760	0.1	0.227	0.179	0.000	0.1
765	0.1	0.227	0.178	0.000	0.1
770	0.1	0.226	0.177	0.000	0.1
775	0.1	0.225	0.177	0.000	0.1
780	0.1	0.224	0.176	0.000	0.1
785	0.1	0.223	0.175	0.000	0.1
790	0.1	0.223	0.175	0.000	0.1
795	0.1	0.222	0.174	0.000	0.1
800	0.1	0.221	0.173	0.000	0.1
805	0.1	0.220	0.172	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)
810	0.1	0.219	0.172	0.000	0.1
815	0.1	0.217	0.171	0.000	0.1
820	0.1	0.216	0.170	0.000	0.1
825	0.1	0.215	0.169	0.000	0.1
830	0.1	0.214	0.168	0.000	0.1
835	0.1	0.213	0.167	0.000	0.1
840	0.1	0.211	0.166	0.000	0.1
845	0.1	0.210	0.165	0.000	0.1
850	0.1	0.208	0.164	0.000	0.1
855	0.1	0.207	0.162	0.000	0.1
860	0.1	0.206	0.161	0.000	0.1
865	0.1	0.204	0.160	0.000	0.1
870	0.1	0.203	0.159	0.000	0.1
875	0.1	0.201	0.158	0.000	0.1
880	0.1	0.200	0.157	0.000	0.1
885	0.1	0.198	0.156	0.000	0.1
890	0.1	0.197	0.154	0.000	0.1
895	0.1	0.195	0.153	0.000	0.1
900	0.1	0.194	0.152	0.000	0.1
905	0.1	0.192	0.151	0.000	0.1
910	0.1	0.190	0.149	0.000	0.1
915	0.1	0.189	0.148	0.000	0.1
920	0.1	0.187	0.147	0.000	0.1
925	0.1	0.185	0.146	0.000	0.1
930	0.1	0.184	0.144	0.000	0.1
935	0.1	0.182	0.143	0.000	0.1
940	0.1	0.180	0.142	0.000	0.1
945	0.1	0.179	0.140	0.000	0.1
950	0.1	0.177	0.139	0.000	0.1
955	0.1	0.175	0.137	0.000	0.1
960	0.1	0.173	0.136	0.000	0.1
965	0.0	0.171	0.134	0.000	0.0
970	0.0	0.166	0.131	0.000	0.0
975	0.0	0.162	0.127	0.000	0.0
980	0.0	0.157	0.124	0.000	0.0
985	0.0	0.153	0.120	0.000	0.0
990	0.0	0.148	0.116	0.000	0.0
995	0.0	0.144	0.113	0.000	0.0
1000	0.0	0.139	0.109	0.000	0.0
1005	0.0	0.135	0.106	0.000	0.0
1010	0.0	0.130	0.102	0.000	0.0
1015	0.0	0.126	0.099	0.000	0.0
1020	0.0	0.122	0.095	0.000	0.0
1025	0.0	0.117	0.092	0.000	0.0
1030	0.0	0.113	0.089	0.000	0.0
1035	0.0	0.109	0.085	0.000	0.0
1040	0.0	0.104	0.082	0.000	0.0
1045	0.0	0.100	0.079	0.000	0.0
1050	0.0	0.096	0.075	0.000	0.0
1055	0.0	0.092	0.072	0.000	0.0
1060	0.0	0.087	0.069	0.000	0.0
1065	0.0	0.083	0.065	0.000	0.0
1070	0.0	0.079	0.062	0.000	0.0
1075	0.0	0.075	0.059	0.000	0.0
1080	0.0	0.071	0.055	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	0.066	0.052	0.000	0.0
1090	0.0	0.062	0.049	0.000	0.0
1095	0.0	0.058	0.046	0.000	0.0
1100	0.0	0.054	0.042	0.000	0.0
1105	0.0	0.050	0.039	0.000	0.0
1110	0.0	0.046	0.036	0.000	0.0
1115	0.0	0.042	0.033	0.000	0.0
1120	0.0	0.038	0.030	0.000	0.0
1125	0.0	0.034	0.026	0.000	0.0
1130	0.0	0.030	0.023	0.000	0.0
1135	0.0	0.025	0.020	0.000	0.0
1140	0.0	0.021	0.017	0.000	0.0
1145	0.0	0.017	0.014	0.000	0.0
1150	0.0	0.013	0.010	0.000	0.0
1155	0.0	0.009	0.007	0.000	0.0
1160	0.0	0.005	0.004	0.000	0.0
1165	0.0	0.002	0.002	0.000	0.0
1170	0.0	0.001	0.001	0.000	0.0
1175	0.0	0.001	0.001	0.000	0.0
1180	0.0	0.001	0.001	0.000	0.0
1185	0.0	0.001	0.001	0.000	0.0
1190	0.0	0.001	0.001	0.000	0.0
1195	0.0	0.001	0.000	0.000	0.0
1200	0.0	0.001	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		

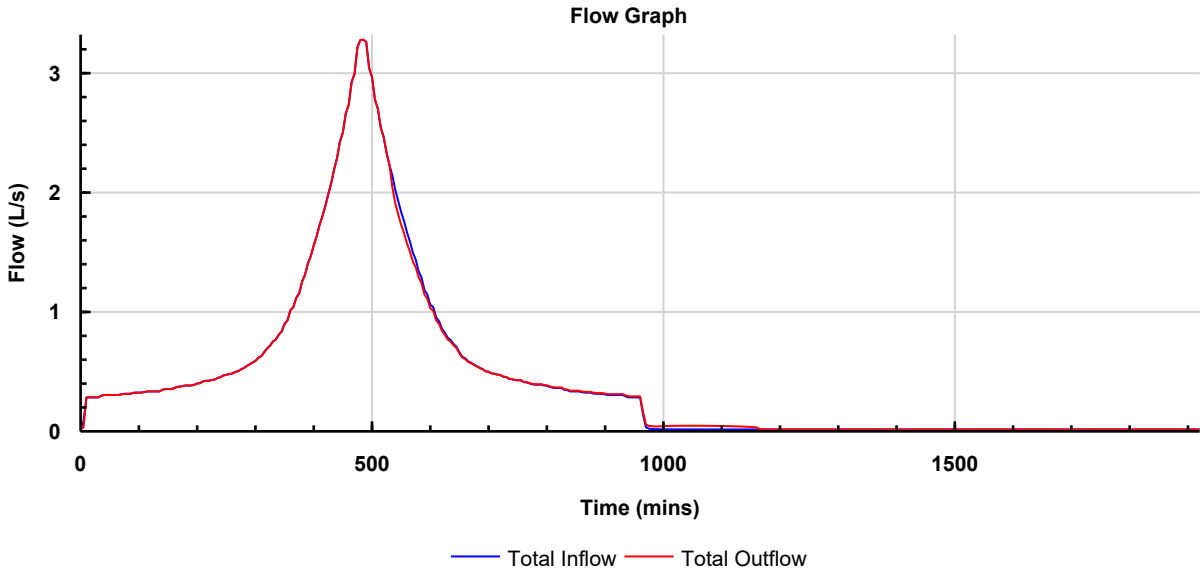
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1910	0.0	0.000	0.000	0.000	0.0
1915	0.0	0.000	0.000	0.000	0.0
1920	0.0	0.000	0.000	0.000	0.0

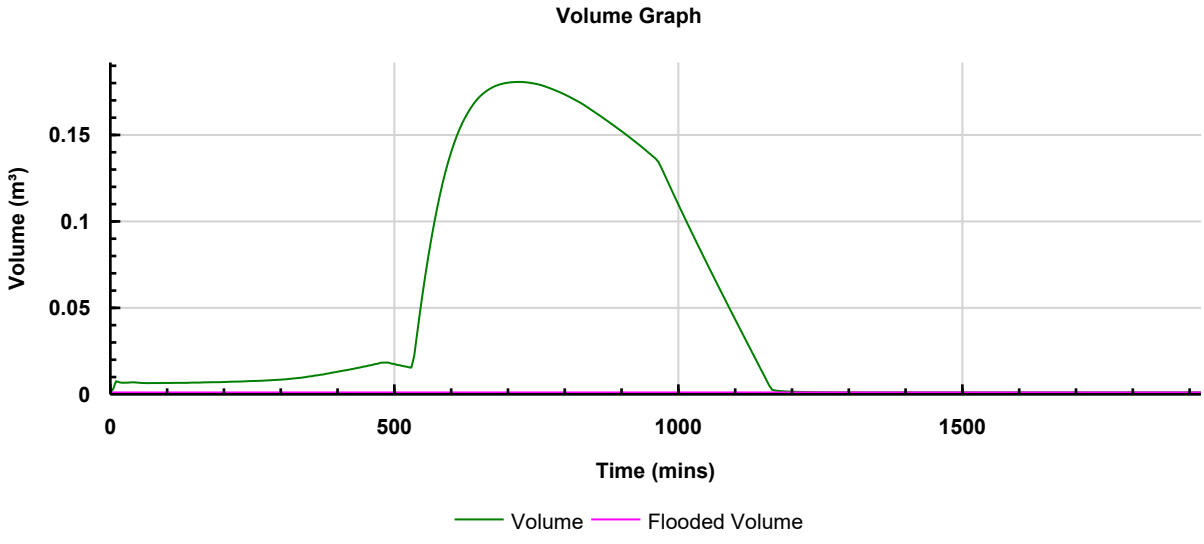
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH305 Type : Manhole

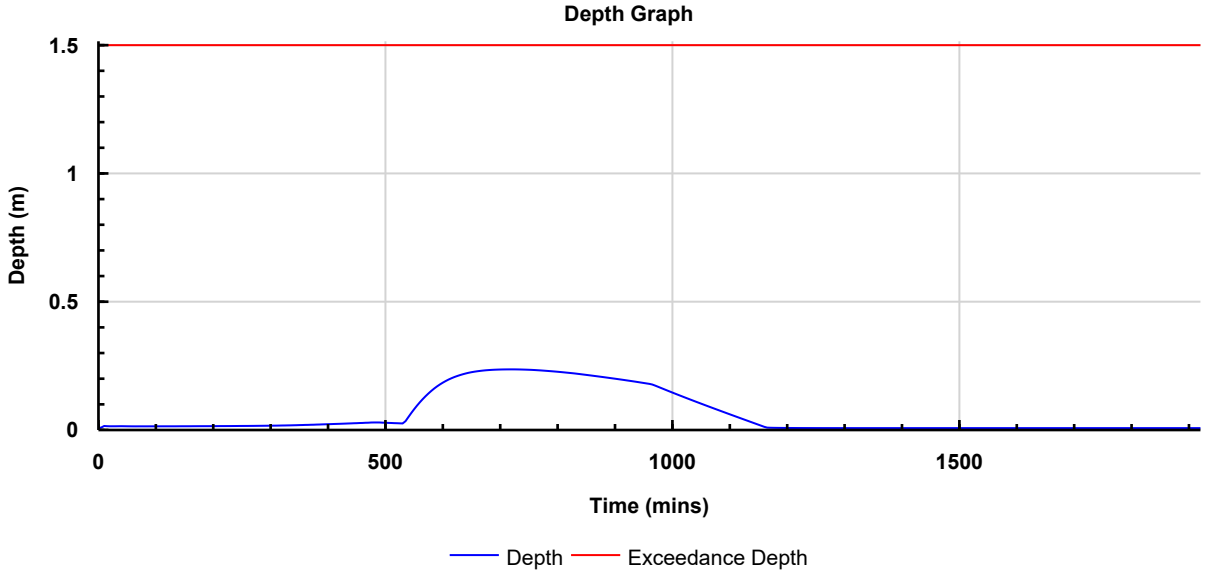
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 960 mins: Summer

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		



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	0.3	0.008	0.007	0.000	0.3
15	0.3	0.008	0.006	0.000	0.3
20	0.3	0.007	0.006	0.000	0.3
25	0.3	0.007	0.006	0.000	0.3
30	0.3	0.007	0.006	0.000	0.3
35	0.3	0.007	0.006	0.000	0.3
40	0.3	0.008	0.006	0.000	0.3
45	0.3	0.007	0.006	0.000	0.3
50	0.3	0.007	0.006	0.000	0.3
55	0.3	0.007	0.006	0.000	0.3
60	0.3	0.007	0.005	0.000	0.3
65	0.3	0.007	0.005	0.000	0.3
70	0.3	0.007	0.005	0.000	0.3
75	0.3	0.007	0.005	0.000	0.3
80	0.3	0.007	0.005	0.000	0.3
85	0.3	0.007	0.005	0.000	0.3
90	0.3	0.007	0.006	0.000	0.3
95	0.3	0.007	0.006	0.000	0.3
100	0.3	0.007	0.006	0.000	0.3
105	0.3	0.007	0.006	0.000	0.3
110	0.3	0.007	0.006	0.000	0.3
115	0.3	0.007	0.006	0.000	0.3
120	0.3	0.007	0.006	0.000	0.3
125	0.3	0.007	0.006	0.000	0.3
130	0.3	0.007	0.006	0.000	0.3
135	0.3	0.007	0.006	0.000	0.3
140	0.3	0.007	0.006	0.000	0.3
145	0.3	0.007	0.006	0.000	0.3
150	0.3	0.007	0.006	0.000	0.3
155	0.3	0.007	0.006	0.000	0.3
160	0.3	0.007	0.006	0.000	0.3
165	0.4	0.007	0.006	0.000	0.4
170	0.4	0.007	0.006	0.000	0.4
175	0.4	0.008	0.006	0.000	0.4
180	0.4	0.008	0.006	0.000	0.4
185	0.4	0.008	0.006	0.000	0.4
190	0.4	0.008	0.006	0.000	0.4
195	0.4	0.008	0.006	0.000	0.4
200	0.4	0.008	0.006	0.000	0.4
205	0.4	0.008	0.006	0.000	0.4
210	0.4	0.008	0.006	0.000	0.4
215	0.4	0.008	0.006	0.000	0.4
220	0.4	0.008	0.006	0.000	0.4
225	0.4	0.008	0.006	0.000	0.4
230	0.4	0.008	0.006	0.000	0.4
235	0.4	0.008	0.006	0.000	0.4
240	0.4	0.008	0.006	0.000	0.4
245	0.5	0.008	0.007	0.000	0.5
250	0.5	0.008	0.007	0.000	0.5
255	0.5	0.009	0.007	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)
260	0.5	0.009	0.007	0.000	0.5
265	0.5	0.009	0.007	0.000	0.5
270	0.5	0.009	0.007	0.000	0.5
275	0.5	0.009	0.007	0.000	0.5
280	0.5	0.009	0.007	0.000	0.5
285	0.5	0.009	0.007	0.000	0.5
290	0.5	0.009	0.007	0.000	0.5
295	0.6	0.009	0.007	0.000	0.6
300	0.6	0.009	0.007	0.000	0.6
305	0.6	0.010	0.008	0.000	0.6
310	0.6	0.010	0.008	0.000	0.6
315	0.7	0.010	0.008	0.000	0.6
320	0.7	0.010	0.008	0.000	0.7
325	0.7	0.010	0.008	0.000	0.7
330	0.7	0.011	0.008	0.000	0.7
335	0.8	0.011	0.009	0.000	0.8
340	0.8	0.011	0.009	0.000	0.8
345	0.8	0.011	0.009	0.000	0.8
350	0.9	0.012	0.009	0.000	0.9
355	0.9	0.012	0.009	0.000	0.9
360	1.0	0.013	0.010	0.000	1.0
365	1.0	0.013	0.010	0.000	1.0
370	1.1	0.013	0.010	0.000	1.1
375	1.1	0.013	0.010	0.000	1.1
380	1.2	0.014	0.011	0.000	1.2
385	1.3	0.014	0.011	0.000	1.3
390	1.4	0.015	0.011	0.000	1.4
395	1.5	0.015	0.012	0.000	1.5
400	1.6	0.015	0.012	0.000	1.5
405	1.6	0.016	0.012	0.000	1.6
410	1.7	0.016	0.013	0.000	1.7
415	1.8	0.016	0.013	0.000	1.8
420	1.9	0.017	0.013	0.000	1.9
425	2.0	0.017	0.014	0.000	2.0
430	2.1	0.018	0.014	0.000	2.1
435	2.2	0.018	0.014	0.000	2.2
440	2.3	0.019	0.015	0.000	2.3
445	2.4	0.019	0.015	0.000	2.4
450	2.5	0.019	0.015	0.000	2.5
455	2.7	0.020	0.016	0.000	2.7
460	2.7	0.020	0.016	0.000	2.7
465	2.9	0.021	0.016	0.000	2.9
470	3.0	0.021	0.017	0.000	3.0
475	3.2	0.022	0.017	0.000	3.2
480	3.3	0.022	0.017	0.000	3.3
485	3.3	0.022	0.017	0.000	3.3
490	3.3	0.022	0.017	0.000	3.3
495	3.0	0.021	0.017	0.000	3.0
500	3.0	0.021	0.017	0.000	3.0
505	2.8	0.020	0.016	0.000	2.8
510	2.7	0.020	0.016	0.000	2.7
515	2.5	0.020	0.015	0.000	2.5
520	2.5	0.019	0.015	0.000	2.5
525	2.3	0.019	0.015	0.000	2.3
530	2.2	0.018	0.014	0.000	2.2

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)
535	2.1	0.027	0.021	0.000	2.0
540	2.0	0.043	0.034	0.000	1.9
545	1.9	0.059	0.046	0.000	1.8
550	1.8	0.074	0.058	0.000	1.7
555	1.8	0.088	0.069	0.000	1.7
560	1.7	0.101	0.080	0.000	1.6
565	1.6	0.114	0.089	0.000	1.5
570	1.5	0.125	0.098	0.000	1.4
575	1.4	0.136	0.107	0.000	1.4
580	1.3	0.146	0.115	0.000	1.3
585	1.3	0.155	0.122	0.000	1.2
590	1.2	0.164	0.128	0.000	1.1
595	1.1	0.171	0.134	0.000	1.1
600	1.0	0.178	0.140	0.000	1.0
605	1.0	0.184	0.145	0.000	1.0
610	0.9	0.190	0.149	0.000	0.9
615	0.9	0.195	0.153	0.000	0.9
620	0.8	0.200	0.157	0.000	0.8
625	0.8	0.204	0.160	0.000	0.8
630	0.8	0.208	0.163	0.000	0.8
635	0.8	0.211	0.166	0.000	0.7
640	0.7	0.214	0.168	0.000	0.7
645	0.7	0.217	0.170	0.000	0.7
650	0.6	0.219	0.172	0.000	0.6
655	0.6	0.221	0.173	0.000	0.6
660	0.6	0.223	0.175	0.000	0.6
665	0.6	0.224	0.176	0.000	0.6
670	0.6	0.225	0.177	0.000	0.6
675	0.5	0.227	0.178	0.000	0.5
680	0.5	0.227	0.179	0.000	0.5
685	0.5	0.228	0.179	0.000	0.5
690	0.5	0.229	0.180	0.000	0.5
695	0.5	0.229	0.180	0.000	0.5
700	0.5	0.230	0.180	0.000	0.5
705	0.5	0.230	0.180	0.000	0.5
710	0.5	0.230	0.180	0.000	0.5
715	0.5	0.230	0.181	0.000	0.5
720	0.5	0.230	0.181	0.000	0.5
725	0.4	0.230	0.181	0.000	0.4
730	0.4	0.230	0.180	0.000	0.4
735	0.4	0.230	0.180	0.000	0.4
740	0.4	0.229	0.180	0.000	0.4
745	0.4	0.229	0.180	0.000	0.4
750	0.4	0.229	0.179	0.000	0.4
755	0.4	0.228	0.179	0.000	0.4
760	0.4	0.227	0.179	0.000	0.4
765	0.4	0.227	0.178	0.000	0.4
770	0.4	0.226	0.177	0.000	0.4
775	0.4	0.225	0.177	0.000	0.4
780	0.4	0.224	0.176	0.000	0.4
785	0.4	0.224	0.175	0.000	0.4
790	0.4	0.223	0.175	0.000	0.4
795	0.4	0.222	0.174	0.000	0.4
800	0.4	0.221	0.173	0.000	0.4
805	0.4	0.220	0.172	0.000	0.4

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)
810	0.4	0.219	0.172	0.000	0.4
815	0.3	0.217	0.171	0.000	0.4
820	0.3	0.216	0.170	0.000	0.4
825	0.3	0.215	0.169	0.000	0.4
830	0.3	0.214	0.168	0.000	0.3
835	0.3	0.213	0.167	0.000	0.3
840	0.3	0.211	0.166	0.000	0.3
845	0.3	0.210	0.165	0.000	0.3
850	0.3	0.208	0.164	0.000	0.3
855	0.3	0.207	0.163	0.000	0.3
860	0.3	0.206	0.161	0.000	0.3
865	0.3	0.204	0.160	0.000	0.3
870	0.3	0.203	0.159	0.000	0.3
875	0.3	0.201	0.158	0.000	0.3
880	0.3	0.200	0.157	0.000	0.3
885	0.3	0.198	0.156	0.000	0.3
890	0.3	0.197	0.154	0.000	0.3
895	0.3	0.195	0.153	0.000	0.3
900	0.3	0.194	0.152	0.000	0.3
905	0.3	0.192	0.151	0.000	0.3
910	0.3	0.190	0.149	0.000	0.3
915	0.3	0.189	0.148	0.000	0.3
920	0.3	0.187	0.147	0.000	0.3
925	0.3	0.185	0.146	0.000	0.3
930	0.3	0.184	0.144	0.000	0.3
935	0.3	0.182	0.143	0.000	0.3
940	0.3	0.180	0.142	0.000	0.3
945	0.3	0.179	0.140	0.000	0.3
950	0.3	0.177	0.139	0.000	0.3
955	0.3	0.175	0.137	0.000	0.3
960	0.3	0.173	0.136	0.000	0.3
965	0.1	0.171	0.134	0.000	0.1
970	0.0	0.166	0.131	0.000	0.0
975	0.0	0.162	0.127	0.000	0.0
980	0.0	0.157	0.124	0.000	0.0
985	0.0	0.153	0.120	0.000	0.0
990	0.0	0.148	0.116	0.000	0.0
995	0.0	0.144	0.113	0.000	0.0
1000	0.0	0.139	0.109	0.000	0.0
1005	0.0	0.135	0.106	0.000	0.0
1010	0.0	0.130	0.102	0.000	0.0
1015	0.0	0.126	0.099	0.000	0.0
1020	0.0	0.122	0.095	0.000	0.0
1025	0.0	0.117	0.092	0.000	0.0
1030	0.0	0.113	0.089	0.000	0.0
1035	0.0	0.109	0.085	0.000	0.0
1040	0.0	0.104	0.082	0.000	0.0
1045	0.0	0.100	0.079	0.000	0.0
1050	0.0	0.096	0.075	0.000	0.0
1055	0.0	0.092	0.072	0.000	0.0
1060	0.0	0.087	0.069	0.000	0.0
1065	0.0	0.083	0.065	0.000	0.0
1070	0.0	0.079	0.062	0.000	0.0
1075	0.0	0.075	0.059	0.000	0.0
1080	0.0	0.071	0.055	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	0.066	0.052	0.000	0.0
1090	0.0	0.062	0.049	0.000	0.0
1095	0.0	0.058	0.046	0.000	0.0
1100	0.0	0.054	0.042	0.000	0.0
1105	0.0	0.050	0.039	0.000	0.0
1110	0.0	0.046	0.036	0.000	0.0
1115	0.0	0.042	0.033	0.000	0.0
1120	0.0	0.038	0.030	0.000	0.0
1125	0.0	0.034	0.026	0.000	0.0
1130	0.0	0.030	0.023	0.000	0.0
1135	0.0	0.025	0.020	0.000	0.0
1140	0.0	0.021	0.017	0.000	0.0
1145	0.0	0.017	0.014	0.000	0.0
1150	0.0	0.013	0.010	0.000	0.0
1155	0.0	0.009	0.007	0.000	0.0
1160	0.0	0.005	0.004	0.000	0.0
1165	0.0	0.002	0.002	0.000	0.0
1170	0.0	0.001	0.001	0.000	0.0
1175	0.0	0.001	0.001	0.000	0.0
1180	0.0	0.001	0.001	0.000	0.0
1185	0.0	0.001	0.001	0.000	0.0
1190	0.0	0.001	0.001	0.000	0.0
1195	0.0	0.001	0.001	0.000	0.0
1200	0.0	0.001	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		

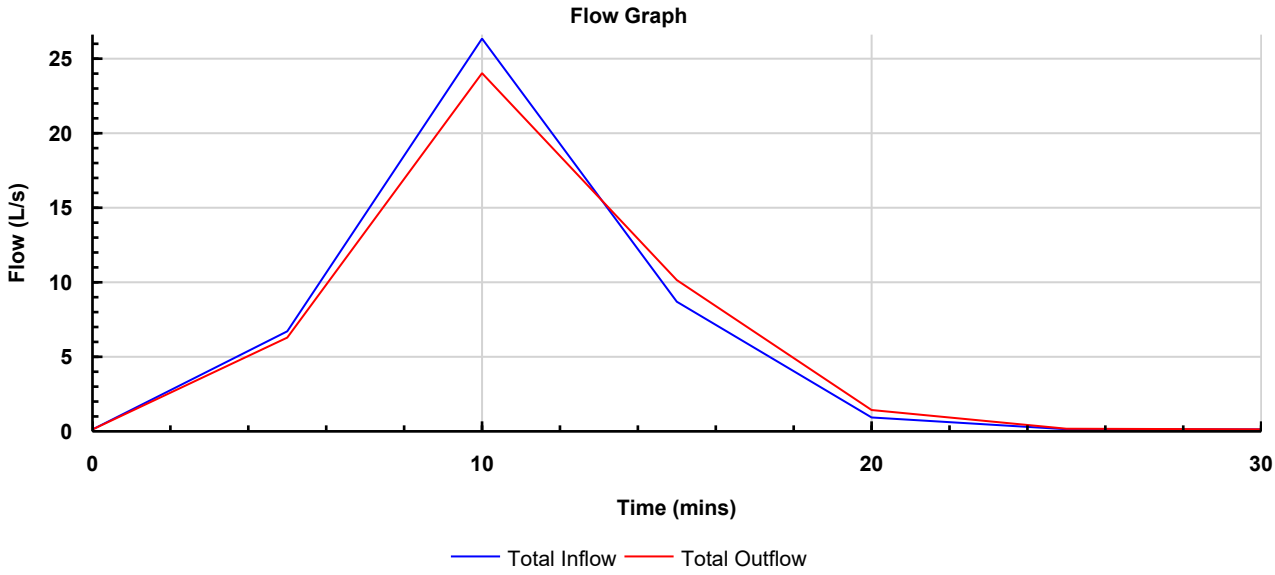
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1910	0.0	0.000	0.000	0.000	0.0
1915	0.0	0.000	0.000	0.000	0.0
1920	0.0	0.000	0.000	0.000	0.0

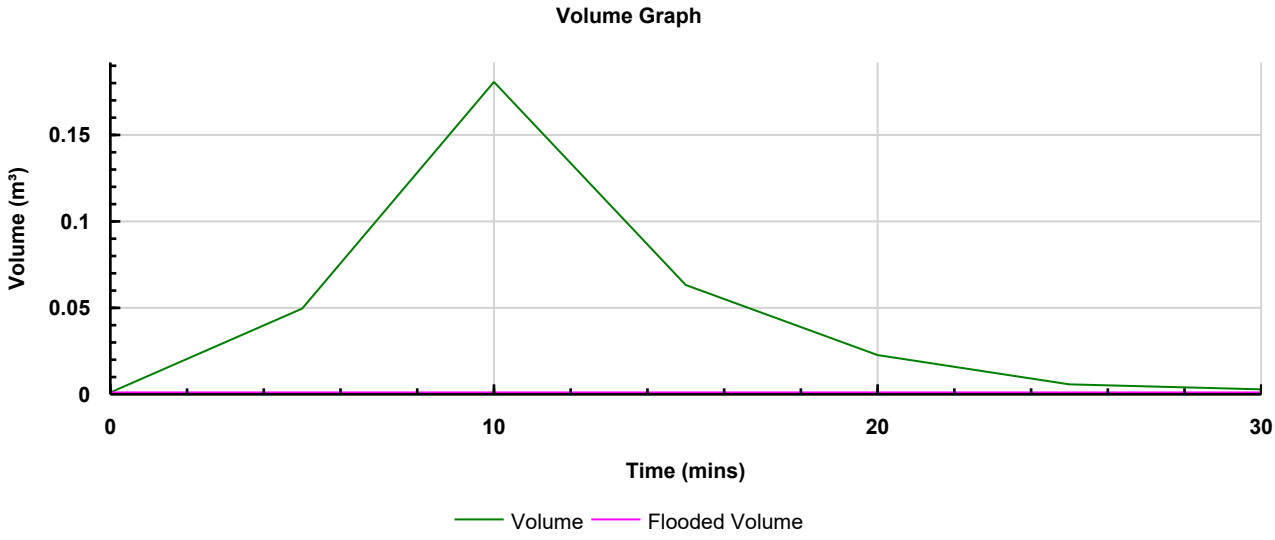
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH306 Type : Manhole

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

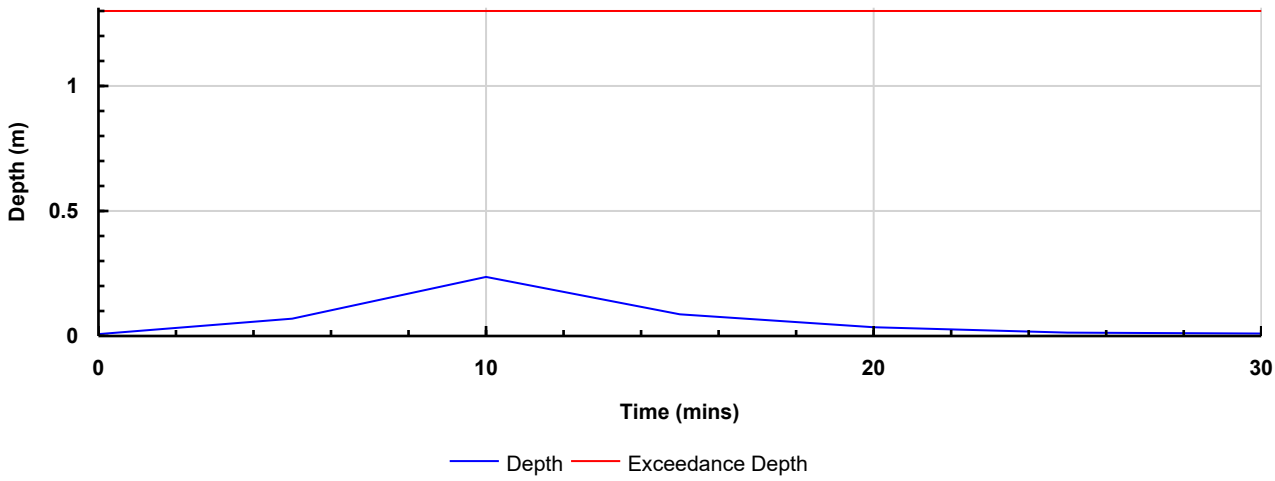
Graphs





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

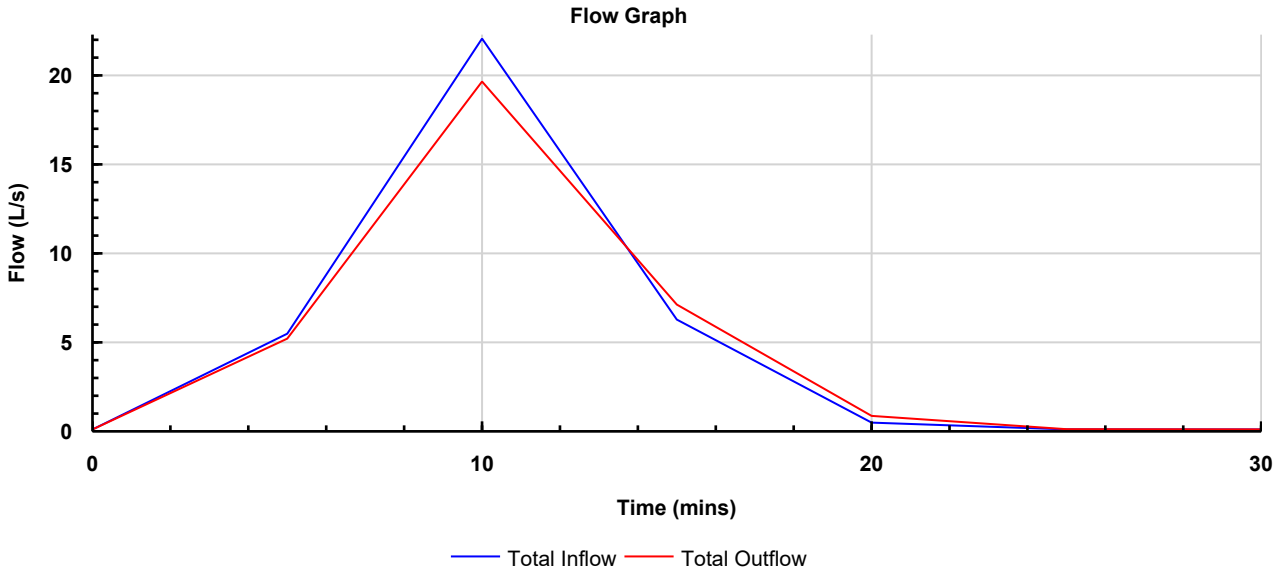
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	6.6	0.062	0.049	0.000	6.2
10	26.3	0.230	0.181	0.000	24.0
15	8.6	0.080	0.063	0.000	10.1
20	0.8	0.028	0.022	0.000	1.3
25	0.0	0.006	0.005	0.000	0.0
30	0.0	0.002	0.002	0.000	0.0

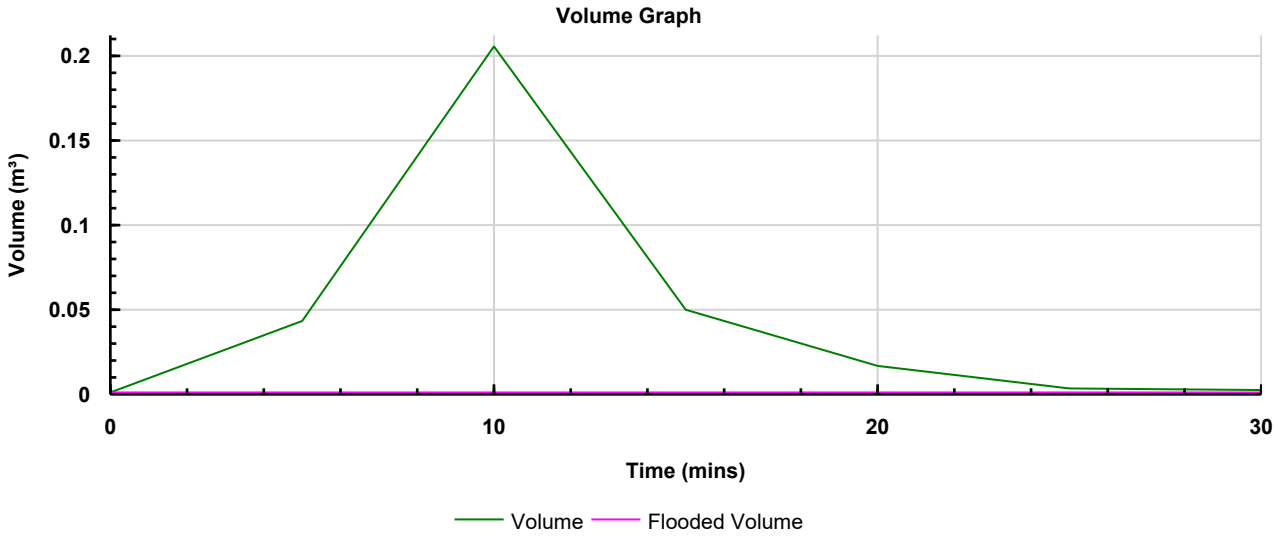
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH307 Type : Manhole

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

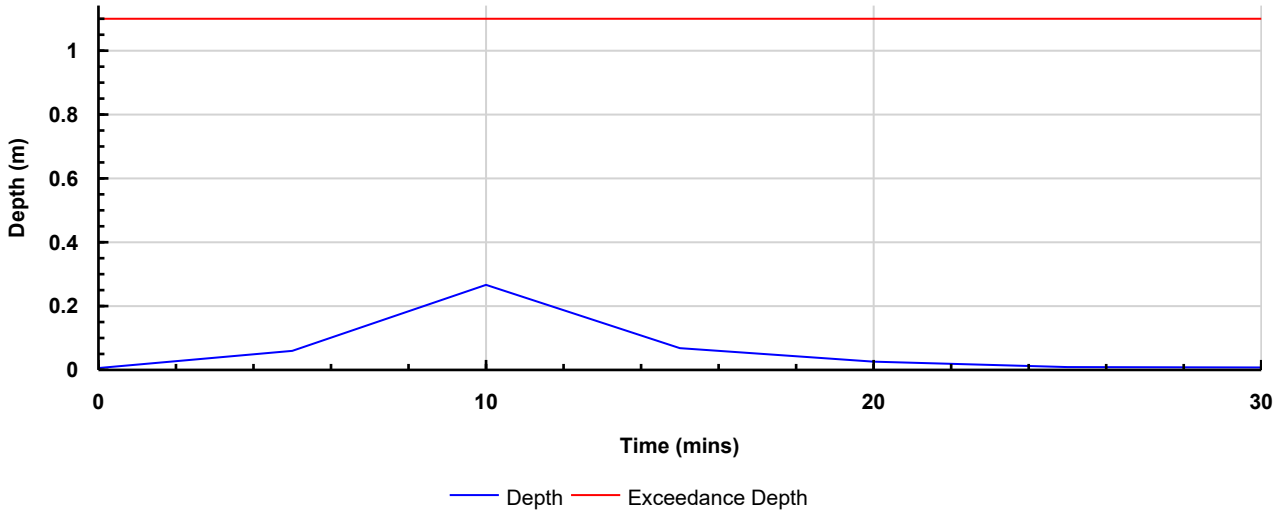
Graphs





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

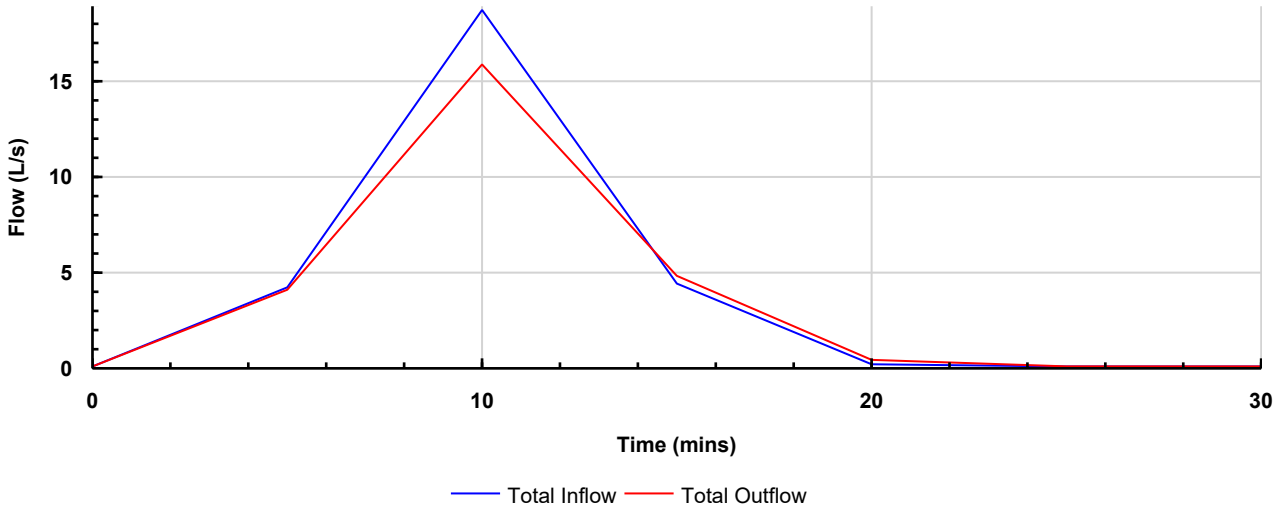
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	5.4	0.054	0.042	0.000	5.1
10	22.1	0.262	0.206	0.000	19.6
15	6.2	0.063	0.049	0.000	7.1
20	0.4	0.020	0.016	0.000	0.8
25	0.0	0.003	0.002	0.000	0.0
30	0.0	0.002	0.001	0.000	0.0

SIC303 Type : Manhole

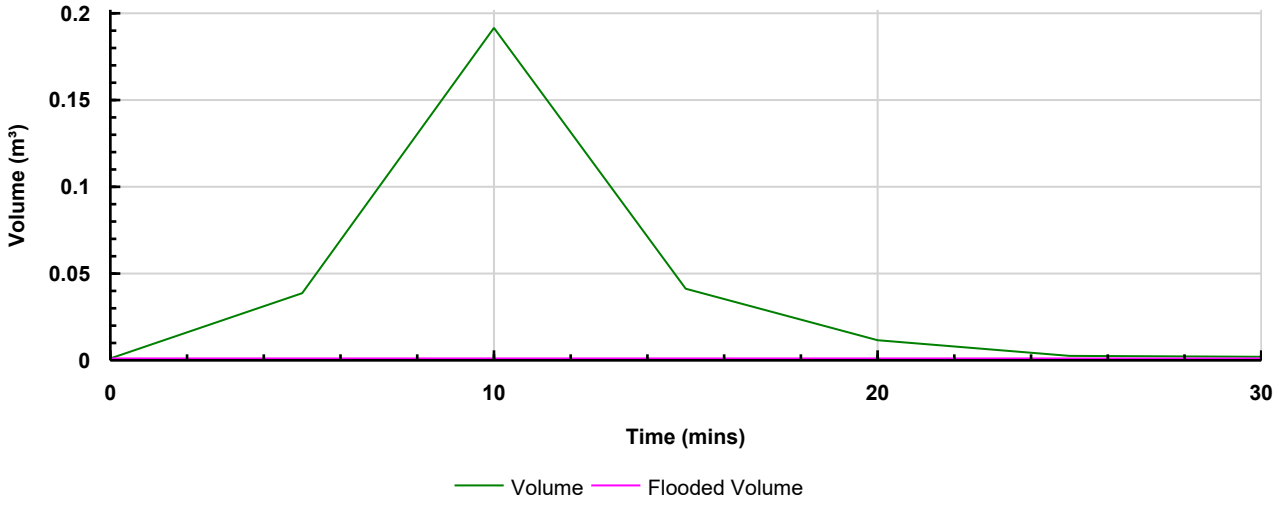
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs

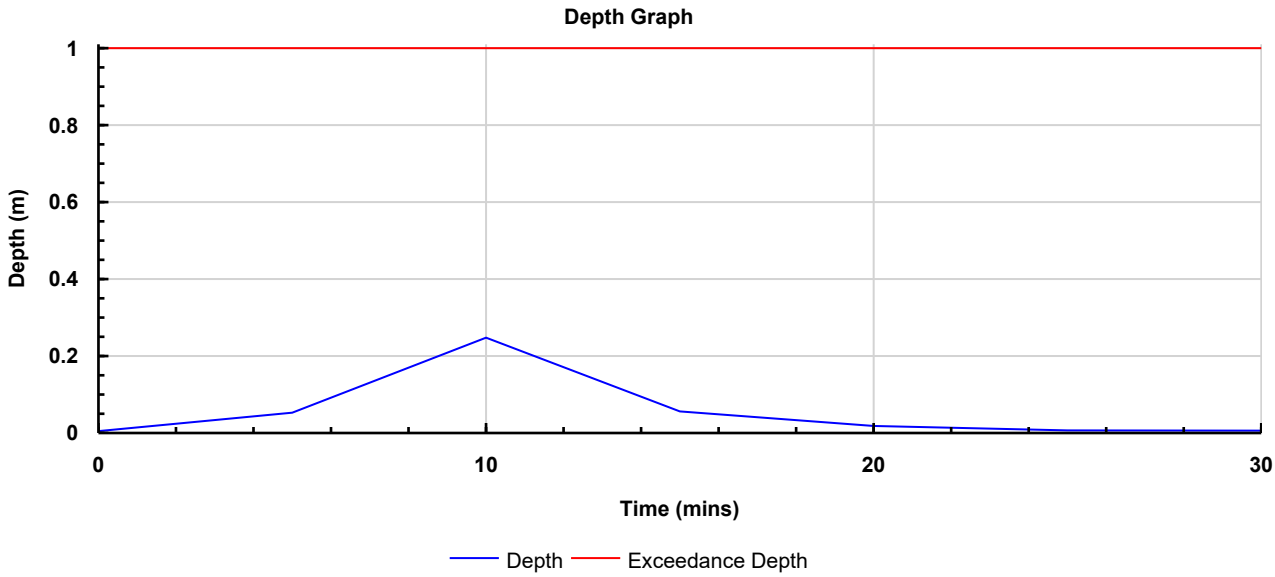
Flow Graph



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

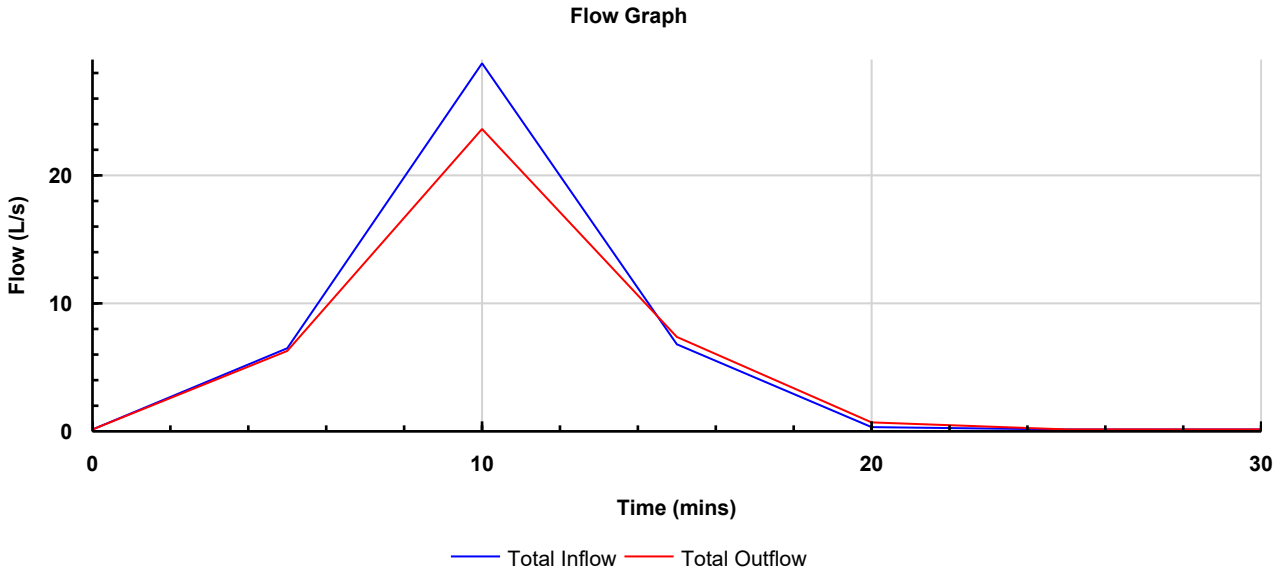
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	4.2	0.048	0.038	0.000	4.0
10	18.7	0.244	0.192	0.000	15.9
15	4.4	0.051	0.040	0.000	4.8
20	0.1	0.013	0.011	0.000	0.3
25	0.0	0.002	0.001	0.000	0.0
30	0.0	0.001	0.001	0.000	0.0

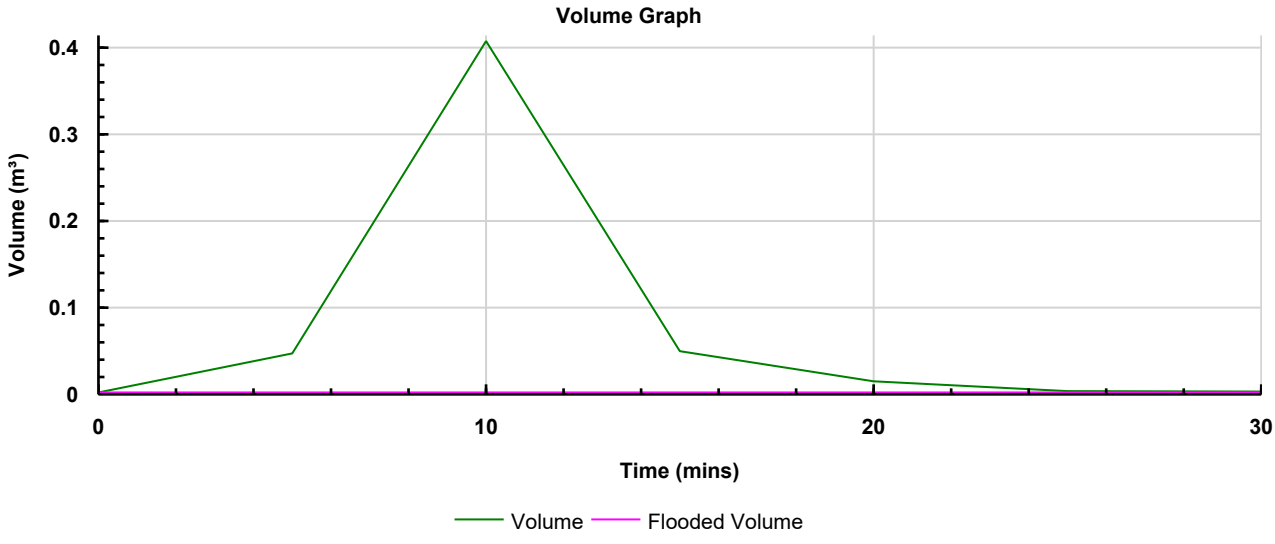
Project - 2080: Ramsbury Manor - Exhibition Centre	Date: 22/08/2025		
	Designed by: GB	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Company Address: AFA Consulting Engineers Ltd		

SMH308 Type : Manhole

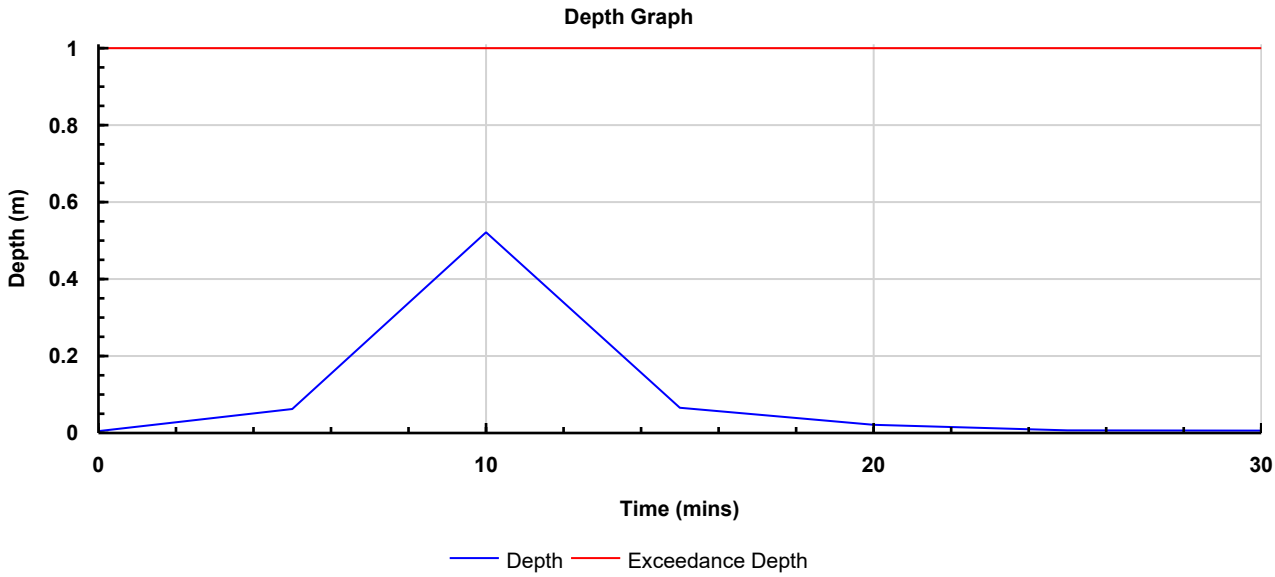
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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

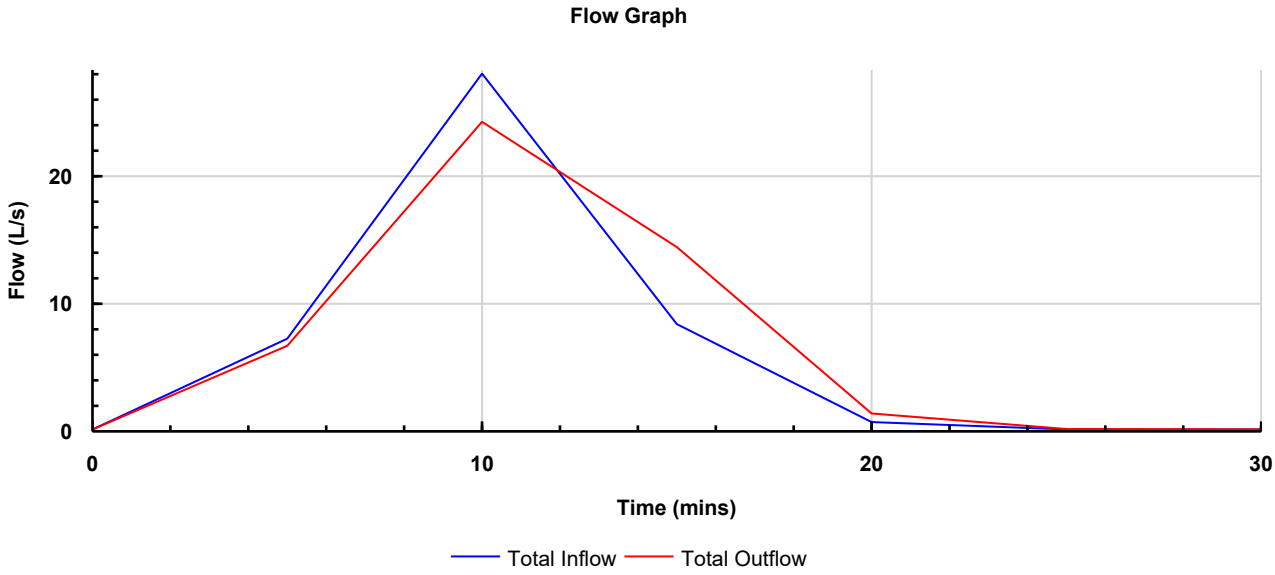
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	6.4	0.058	0.045	0.000	6.2
10	28.8	0.519	0.408	0.000	23.6
15	6.7	0.061	0.048	0.000	7.3
20	0.2	0.016	0.013	0.000	0.6
25	0.0	0.002	0.002	0.000	0.0
30	0.0	0.001	0.001	0.000	0.0

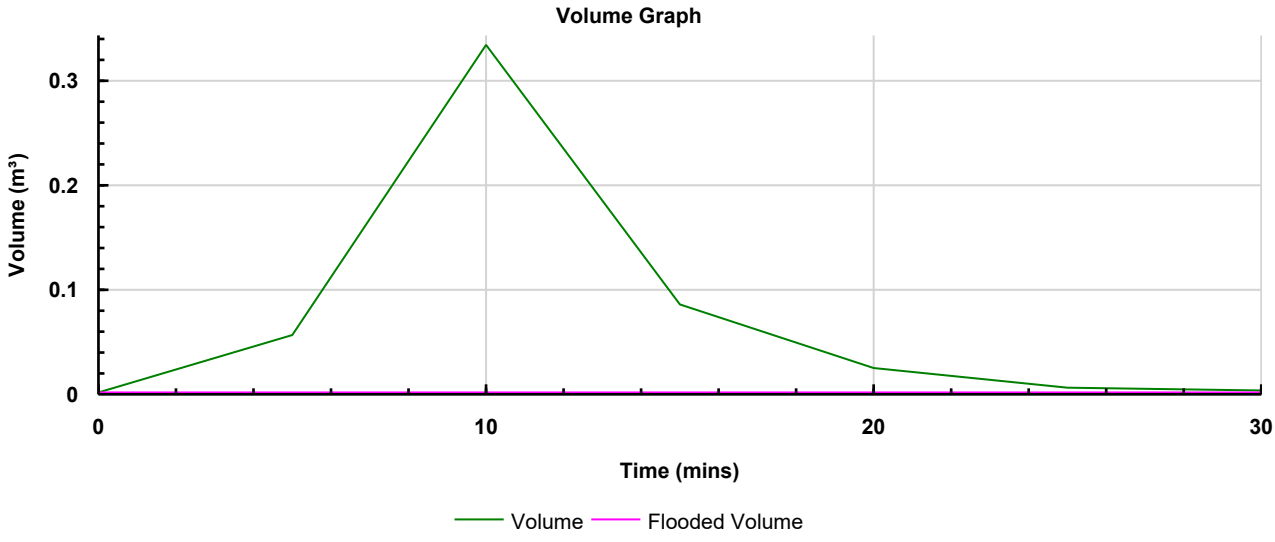
Project - 2080: Ramsbury Manor - Exhibition Centre	Date: 22/08/2025		
	Designed by: GB	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Company Address: AFA Consulting Engineers Ltd		

SMH309 Type : Manhole

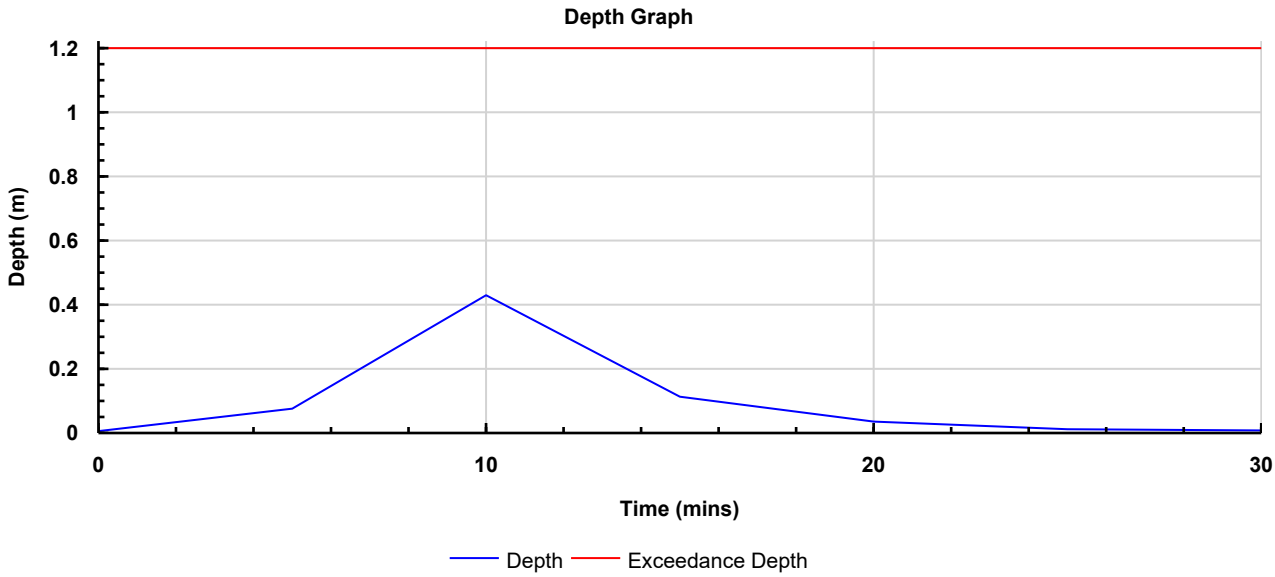
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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

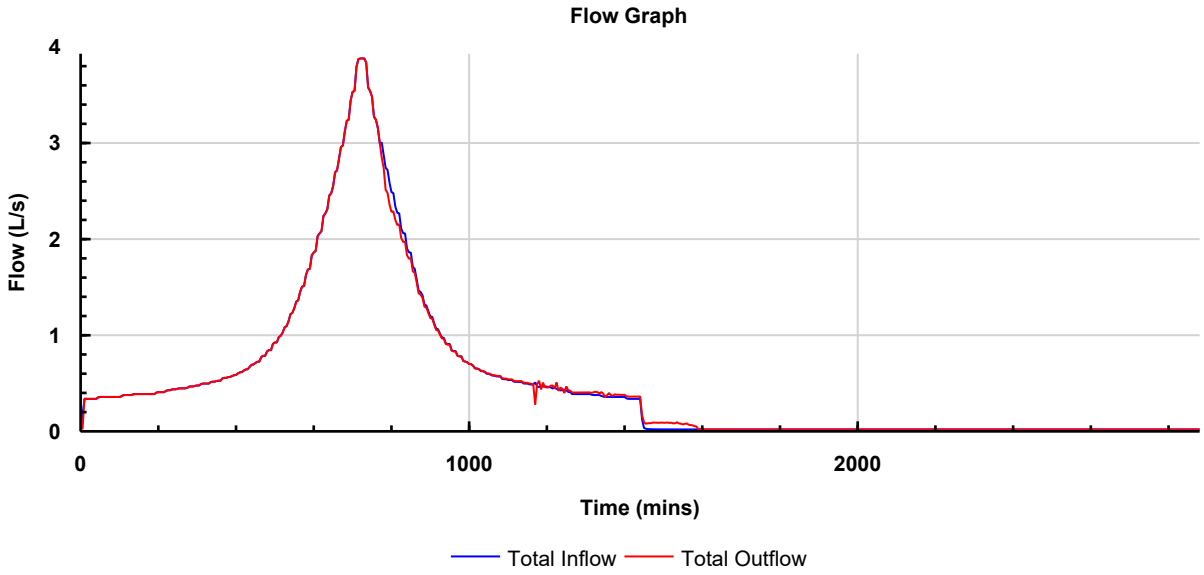
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	7.2	0.070	0.055	0.000	6.6
10	28.0	0.426	0.334	0.000	24.2
15	8.3	0.108	0.085	0.000	14.4
20	0.6	0.030	0.023	0.000	1.3
25	0.0	0.006	0.005	0.000	0.0
30	0.0	0.002	0.002	0.000	0.0

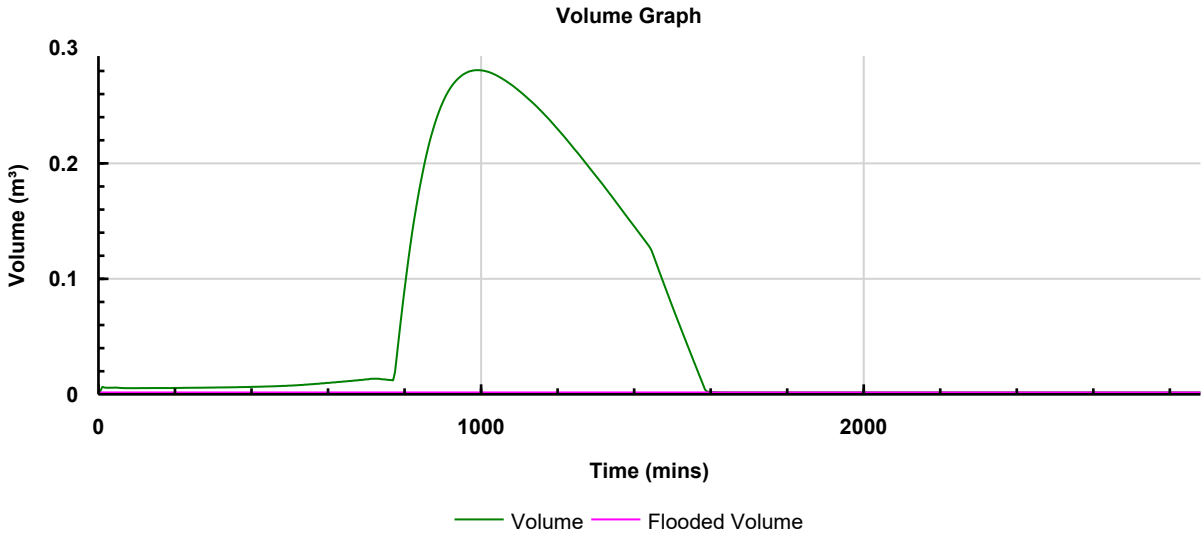
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH310 Type : Manhole

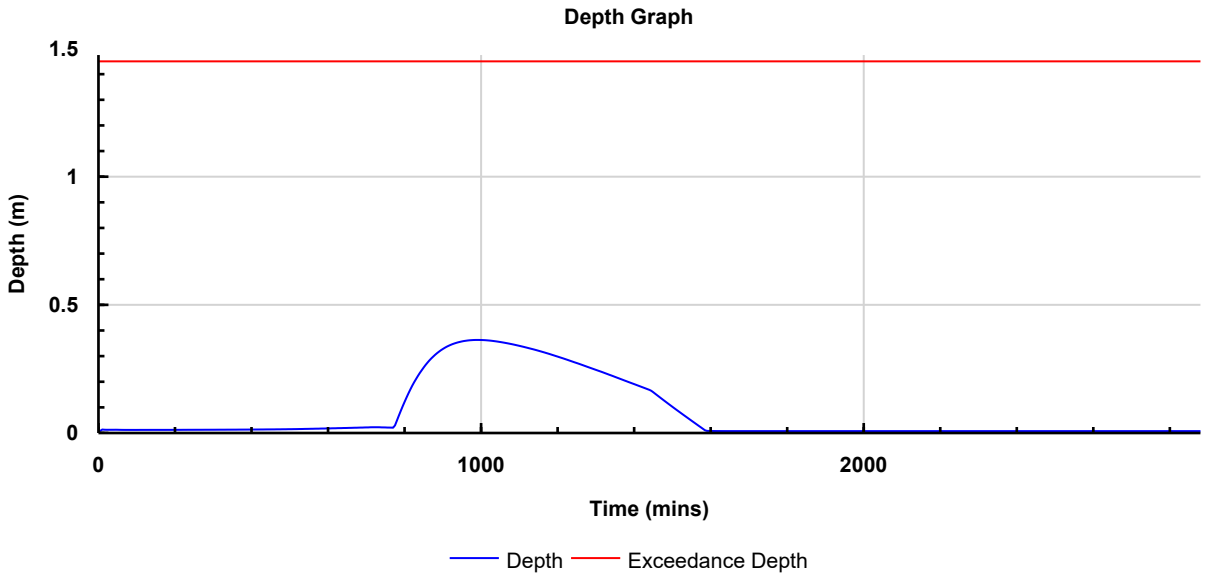
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

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	0.004	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	0.013	0.011	0.000	3.0
775	3.0	0.023	0.018	0.000	2.8
780	2.9	0.041	0.032	0.000	2.7
785	2.7	0.060	0.047	0.000	2.5
790	2.7	0.079	0.062	0.000	2.5
795	2.6	0.097	0.076	0.000	2.4
800	2.5	0.114	0.090	0.000	2.3
805	2.5	0.131	0.103	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	0.148	0.116	0.000	2.2
815	2.3	0.163	0.128	0.000	2.1
820	2.3	0.178	0.140	0.000	2.1
825	2.1	0.192	0.150	0.000	2.0
830	2.1	0.204	0.160	0.000	2.0
835	2.0	0.217	0.170	0.000	2.0
840	1.9	0.228	0.179	0.000	1.8
845	1.9	0.239	0.188	0.000	1.8
850	1.8	0.250	0.196	0.000	1.8
855	1.7	0.260	0.204	0.000	1.7
860	1.7	0.269	0.211	0.000	1.6
865	1.6	0.277	0.218	0.000	1.5
870	1.5	0.285	0.224	0.000	1.4
875	1.4	0.292	0.230	0.000	1.4
880	1.4	0.299	0.235	0.000	1.4
885	1.3	0.306	0.240	0.000	1.3
890	1.3	0.312	0.245	0.000	1.3
895	1.2	0.317	0.249	0.000	1.2
900	1.2	0.322	0.253	0.000	1.2
905	1.2	0.327	0.256	0.000	1.2
910	1.1	0.331	0.260	0.000	1.1
915	1.1	0.334	0.263	0.000	1.0
920	1.0	0.338	0.265	0.000	1.0
925	1.0	0.341	0.268	0.000	1.0
930	1.0	0.344	0.270	0.000	1.0
935	1.0	0.346	0.272	0.000	0.9
940	0.9	0.348	0.273	0.000	0.9
945	0.9	0.350	0.275	0.000	0.9
950	0.9	0.352	0.276	0.000	0.9
955	0.8	0.353	0.277	0.000	0.8
960	0.8	0.354	0.278	0.000	0.8
965	0.8	0.355	0.279	0.000	0.8
970	0.8	0.356	0.280	0.000	0.8
975	0.8	0.357	0.280	0.000	0.8
980	0.8	0.357	0.280	0.000	0.8
985	0.7	0.357	0.281	0.000	0.7
990	0.7	0.357	0.281	0.000	0.7
995	0.7	0.357	0.281	0.000	0.7
1000	0.7	0.357	0.280	0.000	0.7
1005	0.7	0.357	0.280	0.000	0.7
1010	0.7	0.357	0.280	0.000	0.7
1015	0.6	0.356	0.279	0.000	0.6
1020	0.6	0.355	0.279	0.000	0.6
1025	0.6	0.355	0.278	0.000	0.6
1030	0.6	0.354	0.278	0.000	0.6
1035	0.6	0.353	0.277	0.000	0.6
1040	0.6	0.352	0.276	0.000	0.6
1045	0.6	0.351	0.275	0.000	0.6
1050	0.6	0.349	0.274	0.000	0.6
1055	0.6	0.348	0.273	0.000	0.6
1060	0.6	0.347	0.272	0.000	0.6
1065	0.6	0.345	0.271	0.000	0.6
1070	0.6	0.344	0.270	0.000	0.6
1075	0.6	0.343	0.269	0.000	0.6
1080	0.6	0.341	0.268	0.000	0.6

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)
1085	0.5	0.339	0.266	0.000	0.5
1090	0.5	0.338	0.265	0.000	0.5
1095	0.5	0.336	0.264	0.000	0.5
1100	0.5	0.334	0.262	0.000	0.5
1105	0.5	0.333	0.261	0.000	0.5
1110	0.5	0.331	0.260	0.000	0.5
1115	0.5	0.329	0.258	0.000	0.5
1120	0.5	0.327	0.257	0.000	0.5
1125	0.5	0.325	0.255	0.000	0.5
1130	0.5	0.323	0.254	0.000	0.5
1135	0.5	0.321	0.252	0.000	0.5
1140	0.5	0.319	0.251	0.000	0.5
1145	0.5	0.317	0.249	0.000	0.5
1150	0.5	0.315	0.247	0.000	0.5
1155	0.5	0.313	0.246	0.000	0.5
1160	0.5	0.311	0.244	0.000	0.5
1165	0.5	0.309	0.242	0.000	0.5
1170	0.5	0.306	0.241	0.000	0.3
1175	0.5	0.304	0.239	0.000	0.5
1180	0.4	0.302	0.237	0.000	0.5
1185	0.5	0.299	0.235	0.000	0.4
1190	0.4	0.297	0.233	0.000	0.5
1195	0.5	0.295	0.231	0.000	0.4
1200	0.4	0.292	0.229	0.000	0.4
1205	0.4	0.290	0.227	0.000	0.4
1210	0.4	0.287	0.226	0.000	0.5
1215	0.4	0.285	0.224	0.000	0.5
1220	0.4	0.282	0.222	0.000	0.4
1225	0.4	0.280	0.220	0.000	0.5
1230	0.4	0.277	0.218	0.000	0.4
1235	0.4	0.275	0.216	0.000	0.4
1240	0.4	0.272	0.214	0.000	0.4
1245	0.4	0.269	0.211	0.000	0.4
1250	0.4	0.267	0.210	0.000	0.5
1255	0.4	0.264	0.208	0.000	0.4
1260	0.4	0.262	0.205	0.000	0.4
1265	0.4	0.259	0.203	0.000	0.4
1270	0.4	0.256	0.201	0.000	0.4
1275	0.4	0.254	0.199	0.000	0.4
1280	0.4	0.251	0.197	0.000	0.4
1285	0.4	0.248	0.195	0.000	0.4
1290	0.4	0.246	0.193	0.000	0.4
1295	0.4	0.243	0.191	0.000	0.4
1300	0.4	0.240	0.189	0.000	0.4
1305	0.4	0.238	0.186	0.000	0.4
1310	0.4	0.235	0.184	0.000	0.4
1315	0.4	0.232	0.182	0.000	0.4
1320	0.4	0.230	0.180	0.000	0.4
1325	0.4	0.227	0.178	0.000	0.4
1330	0.4	0.224	0.176	0.000	0.4
1335	0.4	0.221	0.174	0.000	0.4
1340	0.4	0.218	0.171	0.000	0.4
1345	0.3	0.216	0.169	0.000	0.4
1350	0.3	0.213	0.167	0.000	0.3
1355	0.3	0.210	0.165	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	0.3	0.207	0.162	0.000	0.4
1365	0.3	0.204	0.160	0.000	0.4
1370	0.3	0.201	0.158	0.000	0.4
1375	0.3	0.198	0.156	0.000	0.4
1380	0.3	0.196	0.154	0.000	0.4
1385	0.3	0.193	0.151	0.000	0.4
1390	0.3	0.190	0.149	0.000	0.4
1395	0.3	0.187	0.147	0.000	0.4
1400	0.3	0.184	0.145	0.000	0.4
1405	0.3	0.182	0.143	0.000	0.3
1410	0.3	0.179	0.140	0.000	0.3
1415	0.3	0.176	0.138	0.000	0.3
1420	0.3	0.173	0.136	0.000	0.3
1425	0.3	0.170	0.134	0.000	0.3
1430	0.3	0.167	0.131	0.000	0.3
1435	0.3	0.164	0.129	0.000	0.3
1440	0.3	0.162	0.127	0.000	0.3
1445	0.1	0.158	0.124	0.000	0.1
1450	0.0	0.152	0.120	0.000	0.1
1455	0.0	0.147	0.115	0.000	0.1
1460	0.0	0.141	0.111	0.000	0.1
1465	0.0	0.135	0.106	0.000	0.1
1470	0.0	0.129	0.101	0.000	0.1
1475	0.0	0.124	0.097	0.000	0.1
1480	0.0	0.118	0.093	0.000	0.1
1485	0.0	0.112	0.088	0.000	0.1
1490	0.0	0.107	0.084	0.000	0.1
1495	0.0	0.101	0.079	0.000	0.1
1500	0.0	0.095	0.075	0.000	0.1
1505	0.0	0.090	0.070	0.000	0.1
1510	0.0	0.084	0.066	0.000	0.1
1515	0.0	0.079	0.062	0.000	0.1
1520	0.0	0.073	0.058	0.000	0.1
1525	0.0	0.068	0.053	0.000	0.1
1530	0.0	0.062	0.049	0.000	0.1
1535	0.0	0.057	0.045	0.000	0.1
1540	0.0	0.052	0.041	0.000	0.1
1545	0.0	0.046	0.036	0.000	0.1
1550	0.0	0.041	0.032	0.000	0.1
1555	0.0	0.035	0.028	0.000	0.1
1560	0.0	0.030	0.024	0.000	0.1
1565	0.0	0.025	0.019	0.000	0.0
1570	0.0	0.019	0.015	0.000	0.0
1575	0.0	0.014	0.011	0.000	0.0
1580	0.0	0.009	0.007	0.000	0.0
1585	0.0	0.003	0.003	0.000	0.0
1590	0.0	0.001	0.001	0.000	0.0
1595	0.0	0.001	0.001	0.000	0.0
1600	0.0	0.001	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
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		

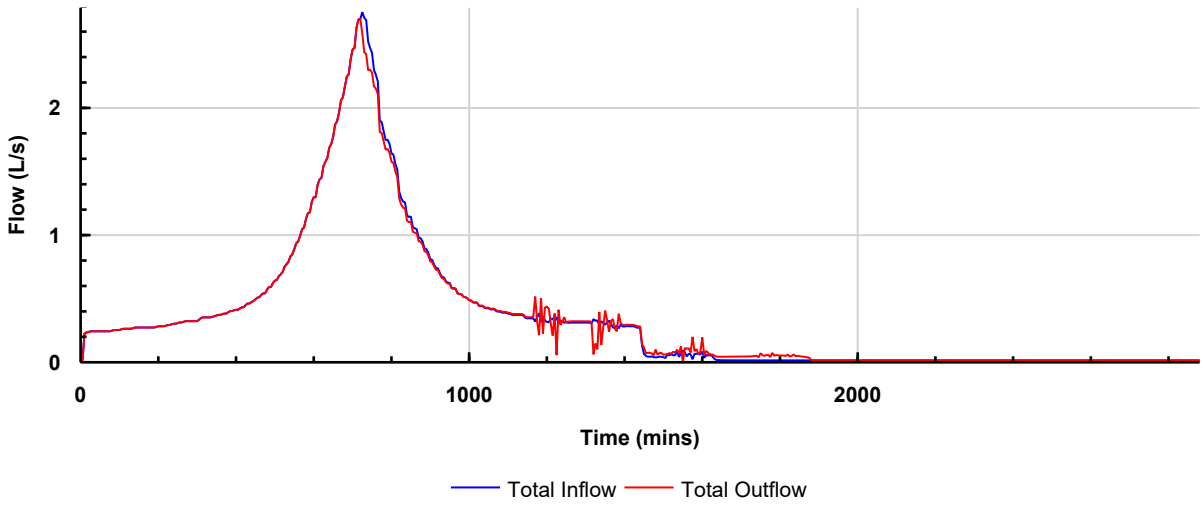
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2735	0.0	0.000	0.000	0.000	0.0
2740	0.0	0.000	0.000	0.000	0.0
2745	0.0	0.000	0.000	0.000	0.0
2750	0.0	0.000	0.000	0.000	0.0
2755	0.0	0.000	0.000	0.000	0.0
2760	0.0	0.000	0.000	0.000	0.0
2765	0.0	0.000	0.000	0.000	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

SMH301 Type : Manhole

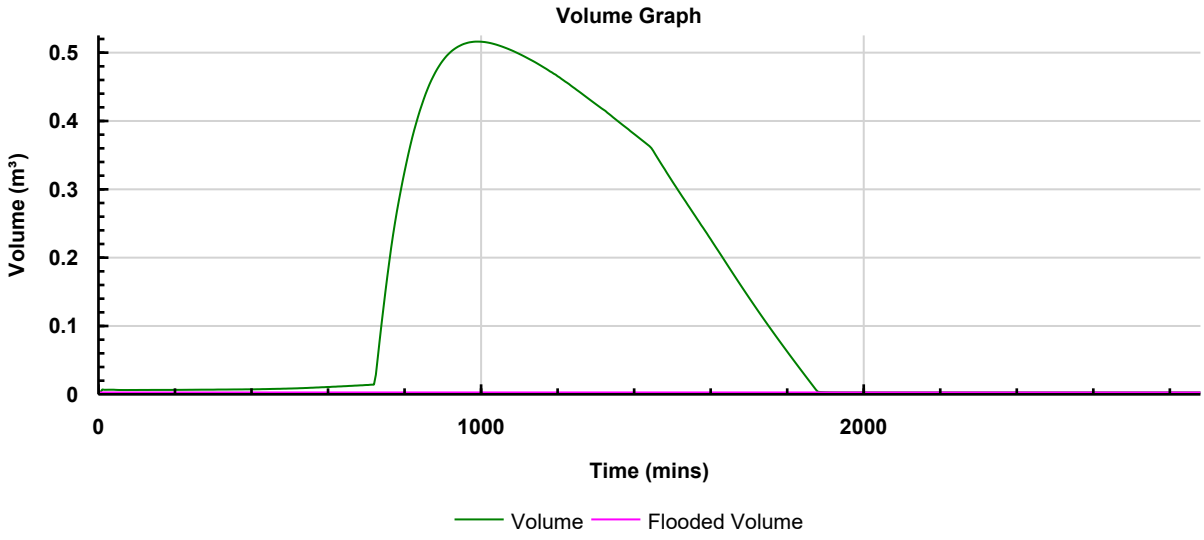
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

Graphs

Flow Graph

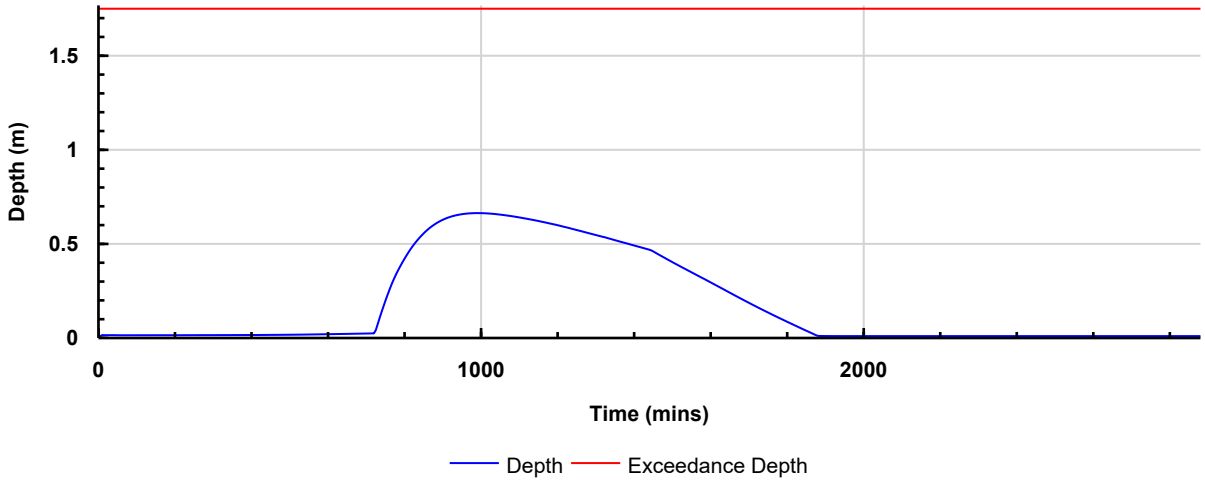


Volume Graph



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



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	0.015	0.011	0.000	2.7
725	2.8	0.033	0.026	0.000	2.6
730	2.7	0.065	0.051	0.000	2.4
735	2.7	0.098	0.077	0.000	2.4
740	2.5	0.129	0.102	0.000	2.3
745	2.5	0.159	0.125	0.000	2.3
750	2.4	0.189	0.149	0.000	2.3
755	2.3	0.218	0.171	0.000	2.2
760	2.3	0.245	0.192	0.000	2.1
765	2.2	0.271	0.213	0.000	2.1
770	1.9	0.296	0.232	0.000	1.8
775	1.9	0.318	0.250	0.000	1.8
780	1.8	0.339	0.266	0.000	1.7
785	1.7	0.359	0.282	0.000	1.7
790	1.7	0.378	0.297	0.000	1.7
795	1.7	0.397	0.311	0.000	1.6
800	1.6	0.414	0.325	0.000	1.6
805	1.6	0.431	0.338	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	1.6	0.447	0.351	0.000	1.5
815	1.5	0.463	0.363	0.000	1.4
820	1.3	0.478	0.375	0.000	1.3
825	1.3	0.491	0.386	0.000	1.2
830	1.3	0.504	0.396	0.000	1.2
835	1.2	0.516	0.405	0.000	1.2
840	1.1	0.528	0.415	0.000	1.1
845	1.1	0.539	0.423	0.000	1.1
850	1.1	0.549	0.431	0.000	1.1
855	1.1	0.559	0.439	0.000	1.0
860	1.0	0.568	0.446	0.000	1.0
865	1.0	0.577	0.453	0.000	1.0
870	1.0	0.585	0.459	0.000	0.9
875	1.0	0.592	0.465	0.000	0.9
880	0.9	0.599	0.470	0.000	0.9
885	0.9	0.606	0.475	0.000	0.9
890	0.9	0.611	0.480	0.000	0.9
895	0.9	0.617	0.484	0.000	0.8
900	0.8	0.622	0.488	0.000	0.8
905	0.8	0.626	0.492	0.000	0.8
910	0.8	0.631	0.495	0.000	0.7
915	0.7	0.634	0.498	0.000	0.7
920	0.7	0.638	0.501	0.000	0.7
925	0.7	0.641	0.503	0.000	0.7
930	0.7	0.644	0.505	0.000	0.6
935	0.7	0.646	0.507	0.000	0.6
940	0.6	0.648	0.509	0.000	0.6
945	0.6	0.650	0.510	0.000	0.6
950	0.6	0.652	0.512	0.000	0.6
955	0.6	0.653	0.513	0.000	0.6
960	0.6	0.654	0.514	0.000	0.6
965	0.6	0.655	0.514	0.000	0.6
970	0.5	0.656	0.515	0.000	0.5
975	0.5	0.657	0.515	0.000	0.5
980	0.5	0.657	0.516	0.000	0.5
985	0.5	0.657	0.516	0.000	0.5
990	0.5	0.657	0.516	0.000	0.5
995	0.5	0.657	0.516	0.000	0.5
1000	0.5	0.657	0.516	0.000	0.5
1005	0.5	0.657	0.516	0.000	0.5
1010	0.5	0.657	0.515	0.000	0.5
1015	0.5	0.656	0.515	0.000	0.5
1020	0.5	0.655	0.514	0.000	0.5
1025	0.4	0.655	0.514	0.000	0.4
1030	0.4	0.654	0.513	0.000	0.4
1035	0.4	0.653	0.512	0.000	0.4
1040	0.4	0.652	0.512	0.000	0.4
1045	0.4	0.651	0.511	0.000	0.4
1050	0.4	0.649	0.510	0.000	0.4
1055	0.4	0.648	0.509	0.000	0.4
1060	0.4	0.647	0.508	0.000	0.4
1065	0.4	0.645	0.507	0.000	0.4
1070	0.4	0.644	0.506	0.000	0.4
1075	0.4	0.643	0.504	0.000	0.4
1080	0.4	0.641	0.503	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	0.639	0.502	0.000	0.4
1090	0.4	0.638	0.501	0.000	0.4
1095	0.4	0.636	0.499	0.000	0.4
1100	0.4	0.634	0.498	0.000	0.4
1105	0.4	0.633	0.497	0.000	0.4
1110	0.4	0.631	0.495	0.000	0.4
1115	0.4	0.629	0.494	0.000	0.4
1120	0.4	0.627	0.492	0.000	0.4
1125	0.4	0.625	0.491	0.000	0.4
1130	0.4	0.623	0.489	0.000	0.4
1135	0.4	0.621	0.488	0.000	0.4
1140	0.4	0.619	0.486	0.000	0.4
1145	0.3	0.617	0.485	0.000	0.3
1150	0.3	0.615	0.483	0.000	0.3
1155	0.3	0.613	0.481	0.000	0.3
1160	0.3	0.611	0.479	0.000	0.3
1165	0.3	0.609	0.478	0.000	0.3
1170	0.3	0.607	0.476	0.000	0.5
1175	0.3	0.604	0.474	0.000	0.3
1180	0.4	0.602	0.472	0.000	0.2
1185	0.3	0.600	0.471	0.000	0.5
1190	0.3	0.597	0.469	0.000	0.2
1195	0.3	0.595	0.467	0.000	0.4
1200	0.3	0.593	0.465	0.000	0.4
1205	0.3	0.590	0.463	0.000	0.4
1210	0.3	0.588	0.461	0.000	0.3
1215	0.3	0.585	0.459	0.000	0.2
1220	0.3	0.583	0.457	0.000	0.4
1225	0.3	0.580	0.456	0.000	0.0
1230	0.3	0.578	0.454	0.000	0.4
1235	0.3	0.575	0.451	0.000	0.3
1240	0.3	0.572	0.449	0.000	0.3
1245	0.3	0.570	0.447	0.000	0.3
1250	0.3	0.567	0.445	0.000	0.3
1255	0.3	0.564	0.443	0.000	0.3
1260	0.3	0.562	0.441	0.000	0.3
1265	0.3	0.559	0.439	0.000	0.3
1270	0.3	0.556	0.437	0.000	0.3
1275	0.3	0.554	0.435	0.000	0.3
1280	0.3	0.551	0.432	0.000	0.3
1285	0.3	0.548	0.430	0.000	0.3
1290	0.3	0.546	0.428	0.000	0.3
1295	0.3	0.543	0.426	0.000	0.3
1300	0.3	0.540	0.424	0.000	0.3
1305	0.3	0.538	0.422	0.000	0.3
1310	0.3	0.535	0.420	0.000	0.3
1315	0.3	0.532	0.418	0.000	0.3
1320	0.3	0.530	0.416	0.000	0.0
1325	0.3	0.528	0.414	0.000	0.1
1330	0.3	0.524	0.412	0.000	0.1
1335	0.3	0.521	0.409	0.000	0.4
1340	0.3	0.519	0.407	0.000	0.1
1345	0.3	0.516	0.405	0.000	0.3
1350	0.3	0.513	0.402	0.000	0.4
1355	0.3	0.510	0.400	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	0.507	0.398	0.000	0.2
1365	0.3	0.504	0.396	0.000	0.3
1370	0.3	0.501	0.394	0.000	0.3
1375	0.3	0.499	0.391	0.000	0.2
1380	0.3	0.496	0.389	0.000	0.2
1385	0.3	0.493	0.387	0.000	0.4
1390	0.3	0.490	0.385	0.000	0.3
1395	0.3	0.487	0.382	0.000	0.3
1400	0.3	0.484	0.380	0.000	0.3
1405	0.3	0.482	0.378	0.000	0.3
1410	0.3	0.479	0.376	0.000	0.3
1415	0.3	0.476	0.374	0.000	0.3
1420	0.3	0.473	0.371	0.000	0.3
1425	0.3	0.470	0.369	0.000	0.3
1430	0.3	0.467	0.367	0.000	0.3
1435	0.3	0.464	0.365	0.000	0.3
1440	0.3	0.462	0.362	0.000	0.3
1445	0.1	0.458	0.359	0.000	0.1
1450	0.1	0.453	0.355	0.000	0.1
1455	0.0	0.447	0.351	0.000	0.1
1460	0.0	0.441	0.346	0.000	0.1
1465	0.0	0.435	0.341	0.000	0.1
1470	0.0	0.429	0.337	0.000	0.1
1475	0.0	0.424	0.333	0.000	0.0
1480	0.0	0.418	0.328	0.000	0.1
1485	0.0	0.412	0.324	0.000	0.0
1490	0.0	0.407	0.319	0.000	0.1
1495	0.0	0.401	0.315	0.000	0.1
1500	0.0	0.395	0.310	0.000	0.0
1505	0.0	0.390	0.306	0.000	0.0
1510	0.0	0.384	0.302	0.000	0.0
1515	0.0	0.379	0.297	0.000	0.1
1520	0.0	0.373	0.293	0.000	0.1
1525	0.0	0.368	0.289	0.000	0.1
1530	0.0	0.363	0.285	0.000	0.1
1535	0.1	0.357	0.280	0.000	0.1
1540	0.0	0.352	0.276	0.000	0.1
1545	0.1	0.346	0.272	0.000	0.1
1550	0.1	0.341	0.268	0.000	-0.0
1555	0.1	0.336	0.263	0.000	0.1
1560	0.0	0.330	0.259	0.000	0.1
1565	0.1	0.325	0.255	0.000	0.1
1570	0.0	0.319	0.251	0.000	0.1
1575	0.0	0.314	0.246	0.000	0.2
1580	0.1	0.309	0.242	0.000	0.1
1585	0.1	0.303	0.238	0.000	0.1
1590	0.1	0.298	0.234	0.000	0.1
1595	0.0	0.292	0.230	0.000	0.1
1600	0.1	0.287	0.225	0.000	0.2
1605	0.0	0.282	0.221	0.000	0.0
1610	0.0	0.276	0.217	0.000	0.1
1615	0.0	0.271	0.212	0.000	0.1
1620	0.1	0.265	0.208	0.000	0.0
1625	0.0	0.260	0.204	0.000	0.0
1630	0.0	0.254	0.200	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	0.249	0.195	0.000	0.0
1640	0.0	0.243	0.191	0.000	0.0
1645	0.0	0.238	0.186	0.000	0.0
1650	0.0	0.232	0.182	0.000	0.0
1655	0.0	0.226	0.178	0.000	0.0
1660	0.0	0.221	0.173	0.000	0.0
1665	0.0	0.216	0.169	0.000	0.0
1670	0.0	0.210	0.165	0.000	0.0
1675	0.0	0.205	0.161	0.000	0.0
1680	0.0	0.199	0.156	0.000	0.0
1685	0.0	0.194	0.152	0.000	0.0
1690	0.0	0.189	0.148	0.000	0.0
1695	0.0	0.183	0.144	0.000	0.0
1700	0.0	0.178	0.140	0.000	0.0
1705	0.0	0.173	0.135	0.000	0.0
1710	0.0	0.167	0.131	0.000	0.0
1715	0.0	0.162	0.127	0.000	0.0
1720	0.0	0.157	0.123	0.000	0.0
1725	0.0	0.152	0.119	0.000	0.0
1730	0.0	0.146	0.115	0.000	0.0
1735	0.0	0.141	0.111	0.000	0.0
1740	0.0	0.136	0.107	0.000	0.0
1745	0.0	0.131	0.103	0.000	0.0
1750	0.0	0.126	0.099	0.000	0.1
1755	0.0	0.121	0.095	0.000	0.0
1760	0.0	0.116	0.091	0.000	0.0
1765	0.0	0.111	0.087	0.000	0.0
1770	0.0	0.106	0.083	0.000	0.0
1775	0.0	0.101	0.079	0.000	0.0
1780	0.0	0.096	0.075	0.000	0.1
1785	0.0	0.091	0.072	0.000	0.0
1790	0.0	0.086	0.068	0.000	0.0
1795	0.0	0.081	0.064	0.000	0.0
1800	0.0	0.077	0.060	0.000	0.0
1805	0.0	0.072	0.056	0.000	0.0
1810	0.0	0.067	0.053	0.000	0.0
1815	0.0	0.062	0.049	0.000	0.0
1820	0.0	0.057	0.045	0.000	0.0
1825	0.0	0.052	0.041	0.000	0.0
1830	0.0	0.048	0.037	0.000	0.0
1835	0.0	0.043	0.034	0.000	0.0
1840	0.0	0.038	0.030	0.000	0.0
1845	0.0	0.033	0.026	0.000	0.0
1850	0.0	0.029	0.023	0.000	0.0
1855	0.0	0.024	0.019	0.000	0.0
1860	0.0	0.019	0.015	0.000	0.0
1865	0.0	0.015	0.011	0.000	0.0
1870	0.0	0.010	0.008	0.000	0.0
1875	0.0	0.005	0.004	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	0.000	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		

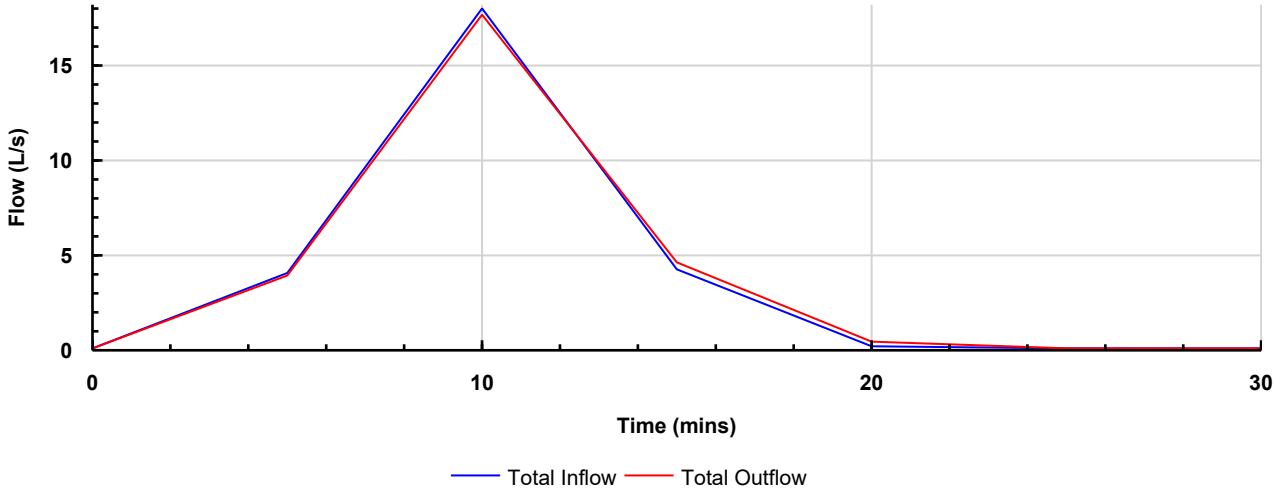
SIC304

Type : Manhole

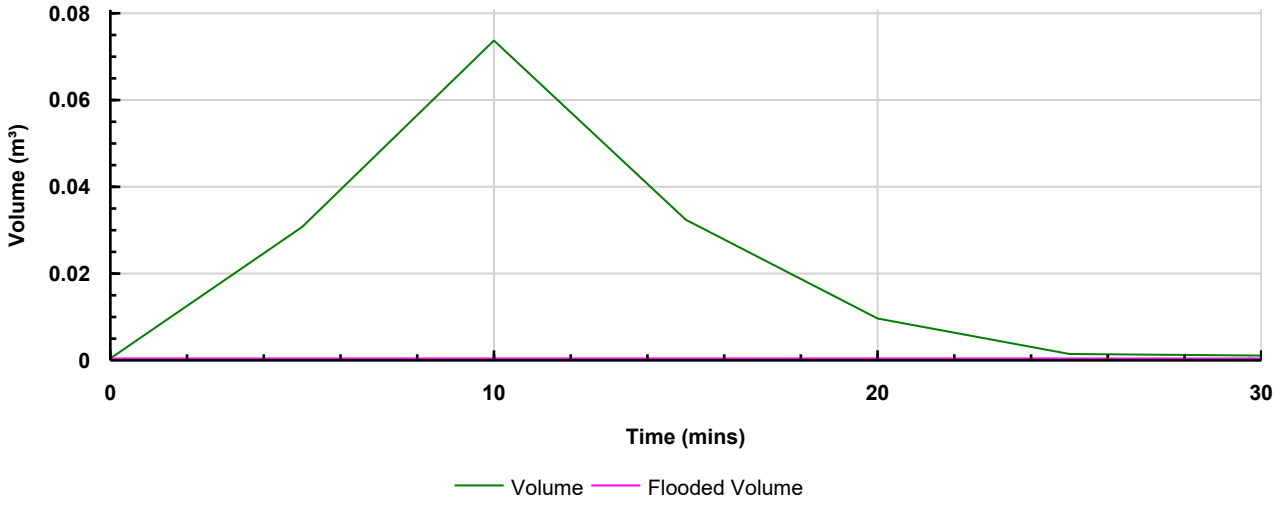
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Graphs

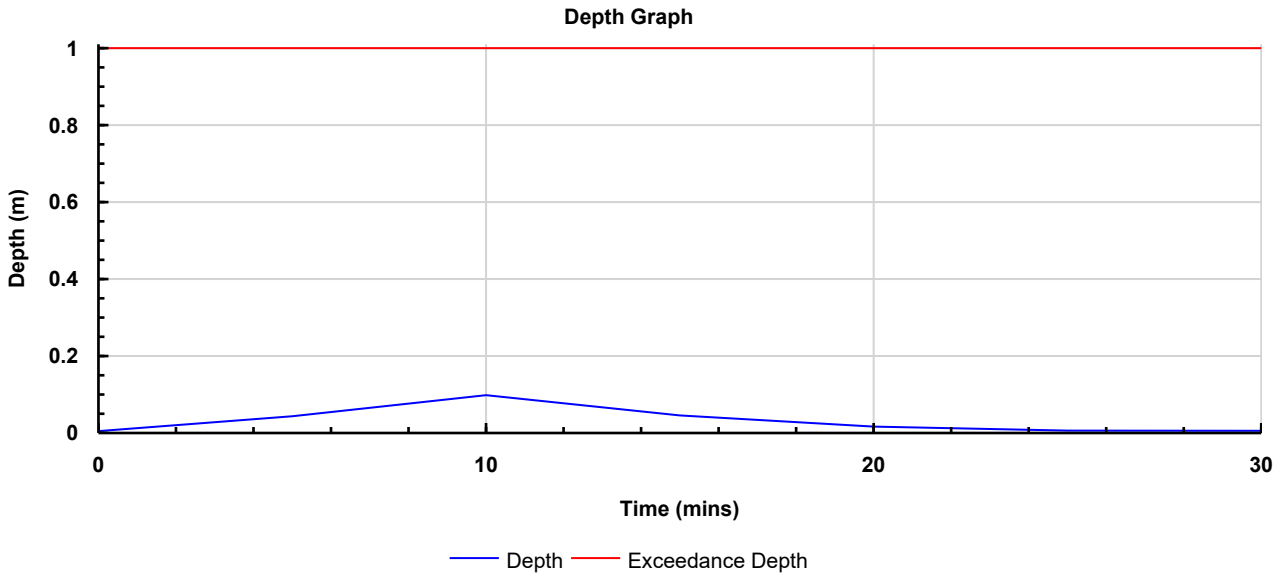
Flow Graph



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

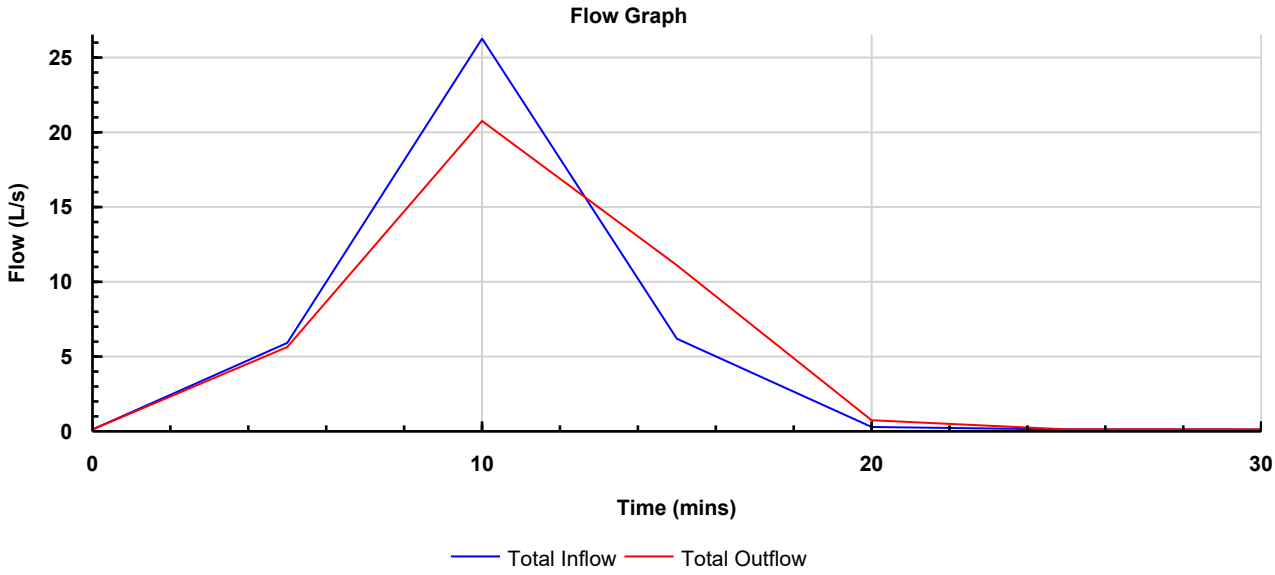
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	4.0	0.039	0.030	0.000	3.9
10	18.0	0.094	0.074	0.000	17.7
15	4.2	0.041	0.032	0.000	4.6
20	0.1	0.012	0.009	0.000	0.4
25	0.0	0.001	0.001	0.000	0.0
30	0.0	0.001	0.001	0.000	0.0

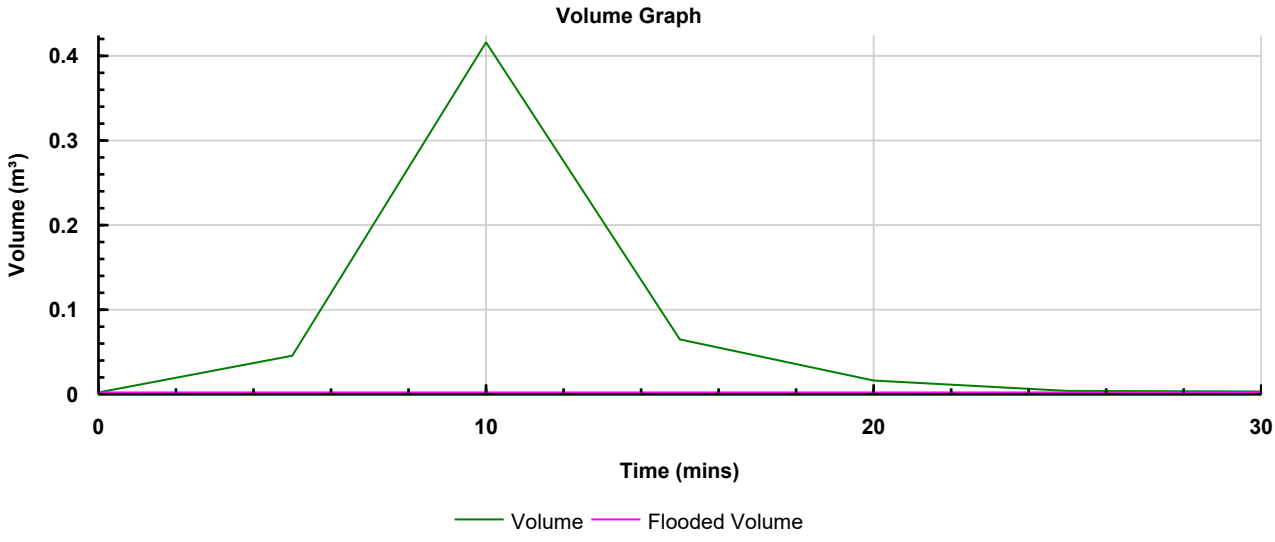
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SIC301 Type : Manhole

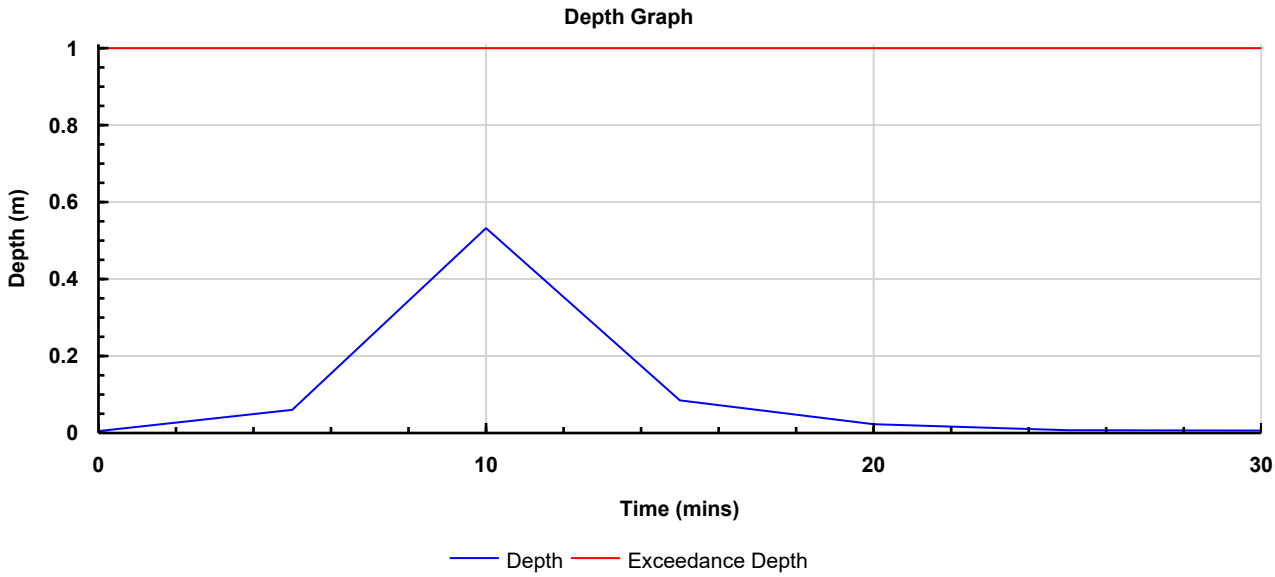
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

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

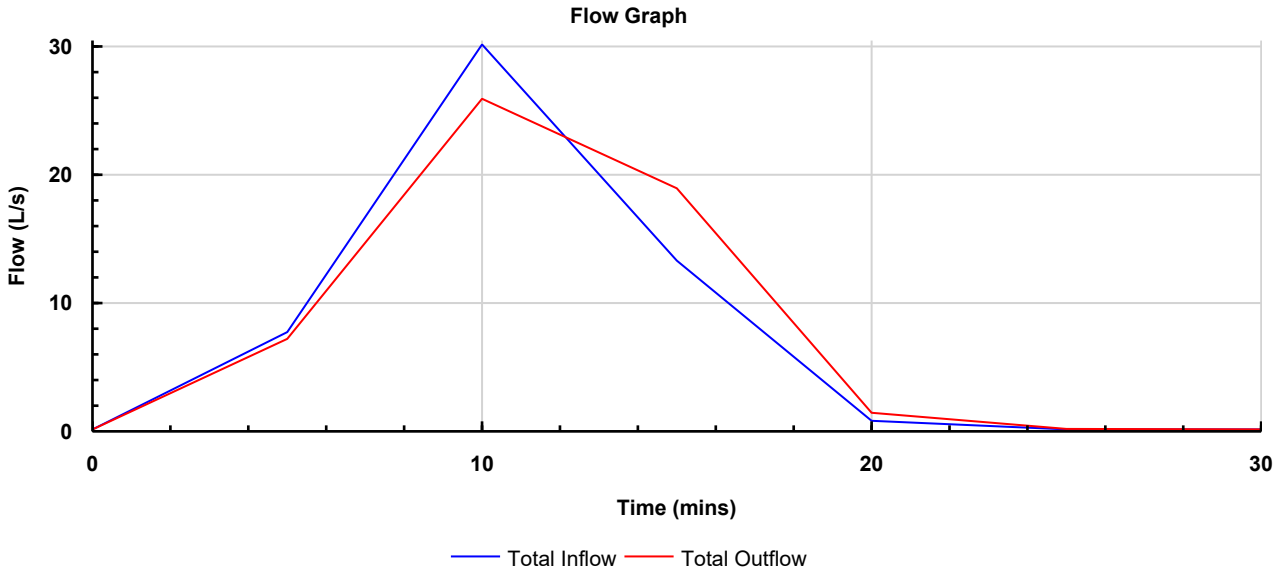
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	5.8	0.056	0.044	0.000	5.5
10	26.3	0.530	0.416	0.000	20.7
15	6.1	0.080	0.063	0.000	11.0
20	0.2	0.018	0.014	0.000	0.6
25	0.0	0.002	0.002	0.000	0.0
30	0.0	0.001	0.001	0.000	0.0

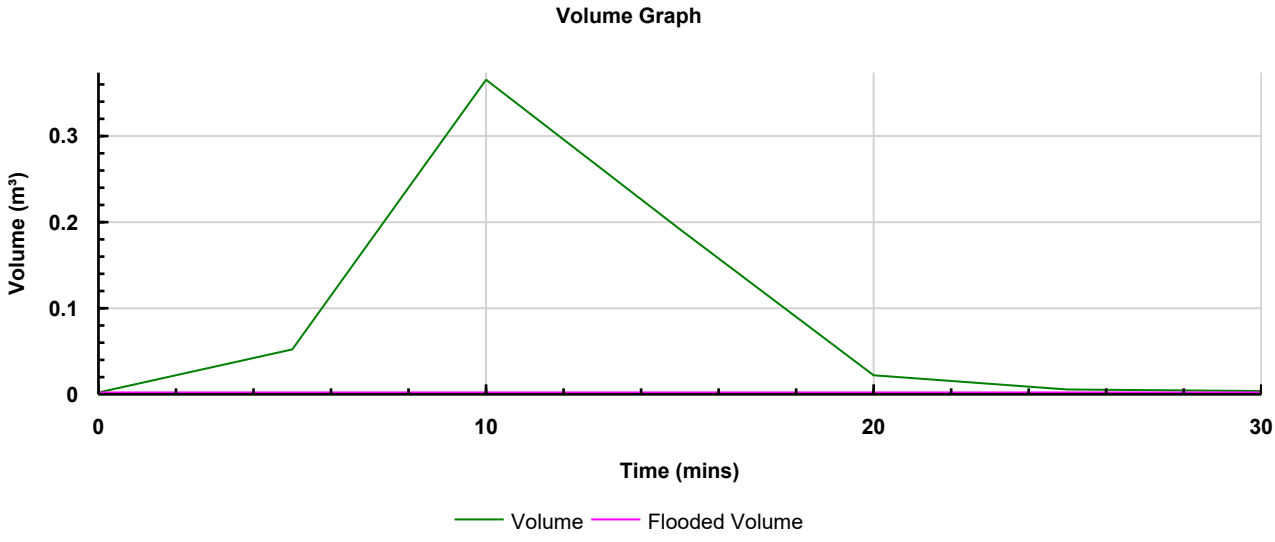
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH303 Type : Manhole

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

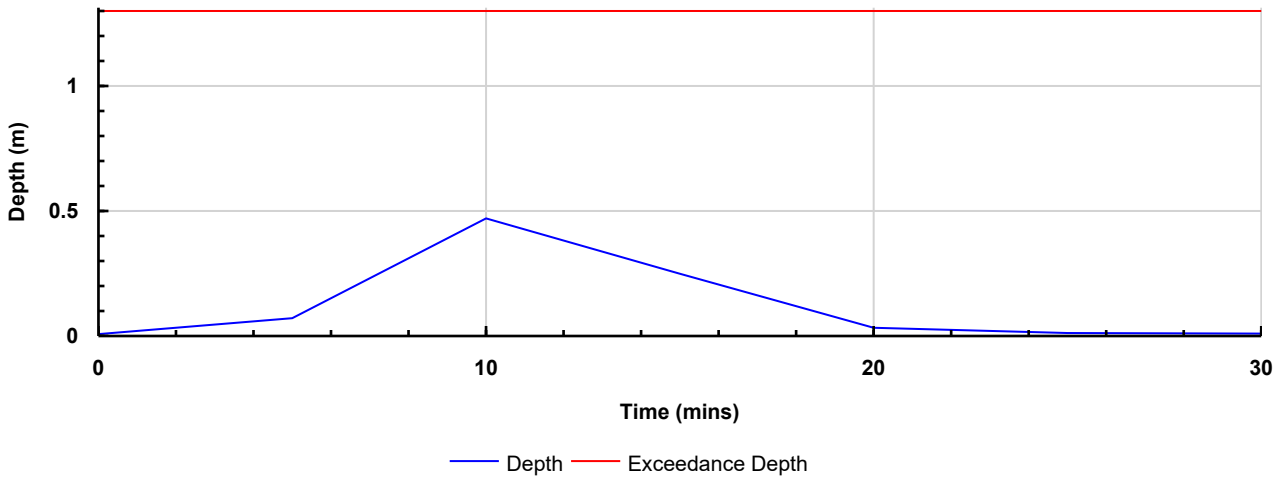
Graphs





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

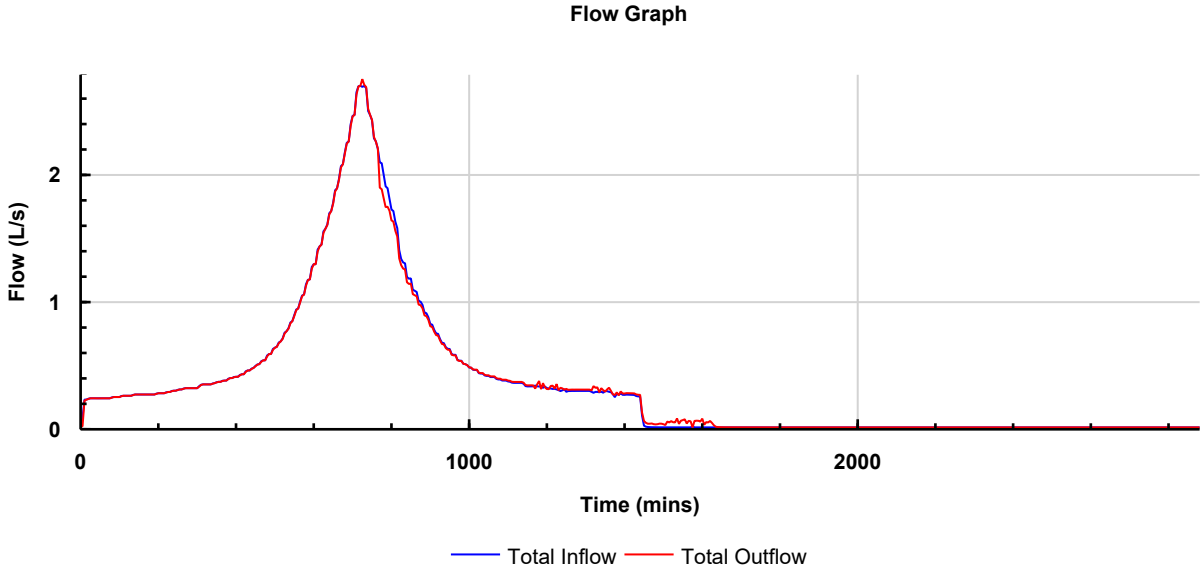
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	7.6	0.064	0.050	0.000	7.1
10	30.2	0.466	0.365	0.000	25.9
15	13.2	0.243	0.191	0.000	18.9
20	0.7	0.026	0.020	0.000	1.3
25	0.0	0.004	0.003	0.000	0.0
30	0.0	0.002	0.002	0.000	0.0

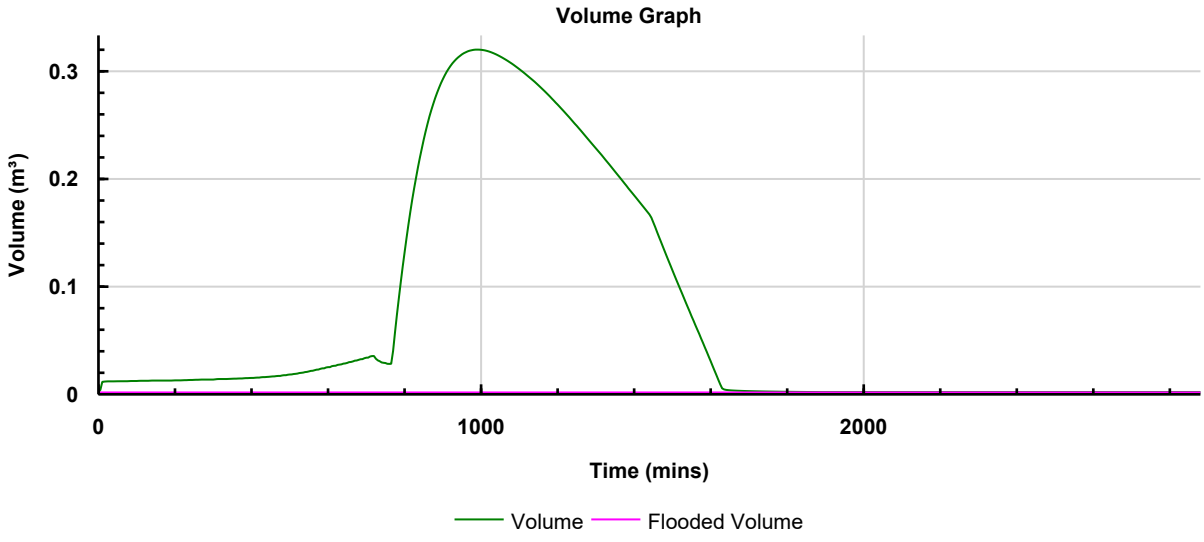
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Junction Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

SMH302 Type : Manhole

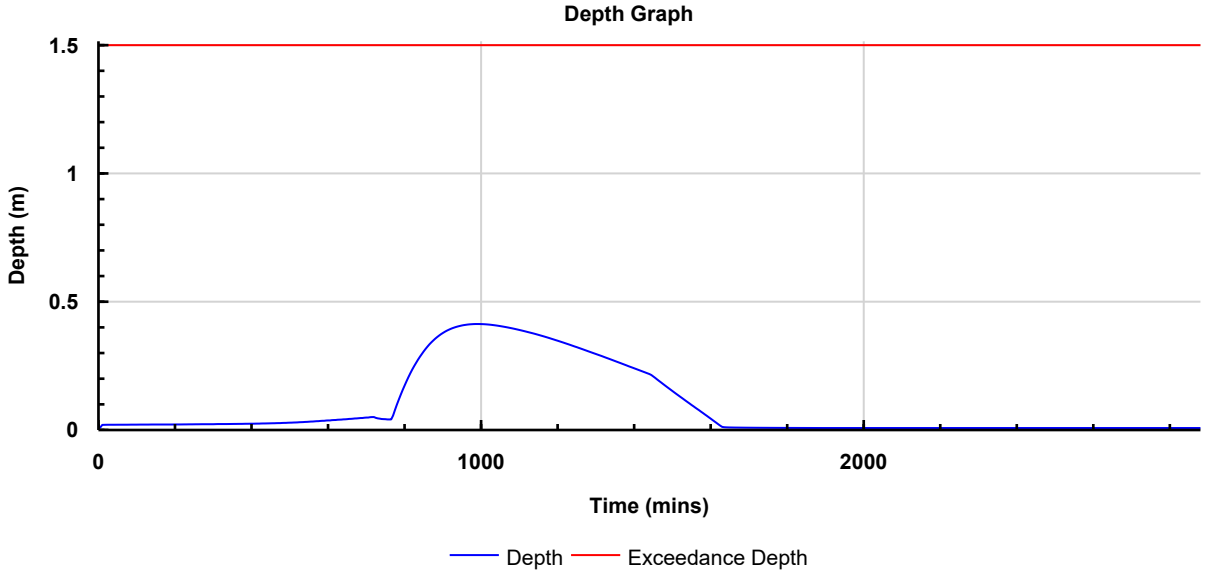
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

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	0.2	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		
	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	0.024	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	0.043	0.034	0.000	2.7
725	2.7	0.040	0.031	0.000	2.8
730	2.7	0.038	0.030	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	0.027	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	0.034	0.027	0.000	2.2
770	2.1	0.049	0.039	0.000	1.9
775	2.1	0.071	0.056	0.000	1.9
780	2.0	0.092	0.072	0.000	1.8
785	1.9	0.112	0.088	0.000	1.7
790	1.9	0.131	0.103	0.000	1.7
795	1.8	0.149	0.117	0.000	1.7
800	1.7	0.166	0.131	0.000	1.6
805	1.7	0.183	0.144	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	1.6	0.199	0.156	0.000	1.6
815	1.6	0.215	0.169	0.000	1.5
820	1.4	0.229	0.180	0.000	1.3
825	1.3	0.243	0.191	0.000	1.3
830	1.3	0.255	0.200	0.000	1.3
835	1.3	0.268	0.210	0.000	1.2
840	1.2	0.279	0.219	0.000	1.1
845	1.2	0.290	0.228	0.000	1.1
850	1.2	0.301	0.236	0.000	1.1
855	1.1	0.310	0.244	0.000	1.1
860	1.1	0.319	0.251	0.000	1.0
865	1.1	0.328	0.258	0.000	1.0
870	1.0	0.336	0.264	0.000	1.0
875	1.0	0.343	0.269	0.000	1.0
880	1.0	0.350	0.275	0.000	0.9
885	0.9	0.356	0.280	0.000	0.9
890	0.9	0.362	0.284	0.000	0.9
895	0.9	0.368	0.289	0.000	0.9
900	0.8	0.373	0.292	0.000	0.8
905	0.8	0.377	0.296	0.000	0.8
910	0.8	0.381	0.299	0.000	0.8
915	0.7	0.385	0.302	0.000	0.7
920	0.7	0.388	0.305	0.000	0.7
925	0.7	0.391	0.307	0.000	0.7
930	0.7	0.394	0.309	0.000	0.7
935	0.7	0.396	0.311	0.000	0.7
940	0.6	0.399	0.313	0.000	0.6
945	0.6	0.400	0.314	0.000	0.6
950	0.6	0.402	0.316	0.000	0.6
955	0.6	0.403	0.317	0.000	0.6
960	0.6	0.405	0.318	0.000	0.6
965	0.6	0.406	0.318	0.000	0.6
970	0.5	0.406	0.319	0.000	0.5
975	0.5	0.407	0.319	0.000	0.5
980	0.5	0.407	0.320	0.000	0.5
985	0.5	0.408	0.320	0.000	0.5
990	0.5	0.408	0.320	0.000	0.5
995	0.5	0.408	0.320	0.000	0.5
1000	0.5	0.407	0.320	0.000	0.5
1005	0.5	0.407	0.320	0.000	0.5
1010	0.5	0.407	0.319	0.000	0.5
1015	0.5	0.406	0.319	0.000	0.5
1020	0.5	0.406	0.318	0.000	0.5
1025	0.4	0.405	0.318	0.000	0.4
1030	0.4	0.404	0.317	0.000	0.4
1035	0.4	0.403	0.316	0.000	0.4
1040	0.4	0.402	0.315	0.000	0.4
1045	0.4	0.401	0.315	0.000	0.4
1050	0.4	0.400	0.314	0.000	0.4
1055	0.4	0.398	0.313	0.000	0.4
1060	0.4	0.397	0.312	0.000	0.4
1065	0.4	0.396	0.311	0.000	0.4
1070	0.4	0.394	0.309	0.000	0.4
1075	0.4	0.393	0.308	0.000	0.4
1080	0.4	0.391	0.307	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	0.390	0.306	0.000	0.4
1090	0.4	0.388	0.304	0.000	0.4
1095	0.4	0.386	0.303	0.000	0.4
1100	0.4	0.384	0.302	0.000	0.4
1105	0.4	0.383	0.300	0.000	0.4
1110	0.4	0.381	0.299	0.000	0.4
1115	0.4	0.379	0.298	0.000	0.4
1120	0.4	0.377	0.296	0.000	0.4
1125	0.4	0.375	0.295	0.000	0.4
1130	0.4	0.373	0.293	0.000	0.4
1135	0.4	0.371	0.292	0.000	0.4
1140	0.3	0.369	0.290	0.000	0.4
1145	0.3	0.367	0.288	0.000	0.3
1150	0.3	0.365	0.287	0.000	0.3
1155	0.3	0.363	0.285	0.000	0.3
1160	0.3	0.361	0.283	0.000	0.3
1165	0.3	0.359	0.282	0.000	0.3
1170	0.3	0.356	0.280	0.000	0.3
1175	0.3	0.354	0.278	0.000	0.3
1180	0.3	0.352	0.276	0.000	0.4
1185	0.3	0.349	0.274	0.000	0.3
1190	0.3	0.347	0.272	0.000	0.3
1195	0.3	0.345	0.271	0.000	0.3
1200	0.3	0.342	0.269	0.000	0.3
1205	0.3	0.340	0.267	0.000	0.3
1210	0.3	0.337	0.265	0.000	0.3
1215	0.3	0.335	0.263	0.000	0.3
1220	0.3	0.332	0.261	0.000	0.3
1225	0.3	0.330	0.259	0.000	0.3
1230	0.3	0.327	0.257	0.000	0.3
1235	0.3	0.325	0.255	0.000	0.3
1240	0.3	0.322	0.253	0.000	0.3
1245	0.3	0.320	0.251	0.000	0.3
1250	0.3	0.317	0.249	0.000	0.3
1255	0.3	0.314	0.247	0.000	0.3
1260	0.3	0.312	0.245	0.000	0.3
1265	0.3	0.309	0.243	0.000	0.3
1270	0.3	0.306	0.241	0.000	0.3
1275	0.3	0.304	0.238	0.000	0.3
1280	0.3	0.301	0.236	0.000	0.3
1285	0.3	0.298	0.234	0.000	0.3
1290	0.3	0.296	0.232	0.000	0.3
1295	0.3	0.293	0.230	0.000	0.3
1300	0.3	0.290	0.228	0.000	0.3
1305	0.3	0.288	0.226	0.000	0.3
1310	0.3	0.285	0.224	0.000	0.3
1315	0.3	0.282	0.222	0.000	0.3
1320	0.3	0.280	0.219	0.000	0.3
1325	0.3	0.277	0.217	0.000	0.3
1330	0.3	0.274	0.215	0.000	0.3
1335	0.3	0.271	0.213	0.000	0.3
1340	0.3	0.268	0.211	0.000	0.3
1345	0.3	0.266	0.208	0.000	0.3
1350	0.3	0.263	0.206	0.000	0.3
1355	0.3	0.260	0.204	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	0.257	0.202	0.000	0.3
1365	0.3	0.254	0.200	0.000	0.3
1370	0.3	0.251	0.197	0.000	0.3
1375	0.2	0.249	0.195	0.000	0.3
1380	0.3	0.246	0.193	0.000	0.3
1385	0.3	0.243	0.190	0.000	0.3
1390	0.3	0.240	0.188	0.000	0.3
1395	0.3	0.237	0.186	0.000	0.3
1400	0.3	0.234	0.184	0.000	0.3
1405	0.3	0.232	0.182	0.000	0.3
1410	0.3	0.229	0.180	0.000	0.3
1415	0.3	0.226	0.177	0.000	0.3
1420	0.3	0.223	0.175	0.000	0.3
1425	0.3	0.220	0.173	0.000	0.3
1430	0.2	0.217	0.171	0.000	0.3
1435	0.2	0.215	0.168	0.000	0.3
1440	0.2	0.212	0.166	0.000	0.3
1445	0.1	0.208	0.163	0.000	0.1
1450	0.0	0.202	0.159	0.000	0.1
1455	0.0	0.197	0.154	0.000	0.0
1460	0.0	0.191	0.150	0.000	0.0
1465	0.0	0.185	0.145	0.000	0.0
1470	0.0	0.179	0.141	0.000	0.0
1475	0.0	0.173	0.136	0.000	0.0
1480	0.0	0.168	0.132	0.000	0.0
1485	0.0	0.162	0.127	0.000	0.0
1490	0.0	0.156	0.123	0.000	0.0
1495	0.0	0.151	0.118	0.000	0.0
1500	0.0	0.145	0.114	0.000	0.0
1505	0.0	0.140	0.110	0.000	0.0
1510	0.0	0.134	0.105	0.000	0.0
1515	0.0	0.129	0.101	0.000	0.0
1520	0.0	0.123	0.097	0.000	0.0
1525	0.0	0.118	0.093	0.000	0.0
1530	0.0	0.112	0.088	0.000	0.0
1535	0.0	0.107	0.084	0.000	0.1
1540	0.0	0.102	0.080	0.000	0.0
1545	0.0	0.096	0.076	0.000	0.1
1550	0.0	0.091	0.071	0.000	0.1
1555	0.0	0.086	0.067	0.000	0.1
1560	0.0	0.080	0.063	0.000	0.0
1565	0.0	0.075	0.059	0.000	0.1
1570	0.0	0.070	0.055	0.000	0.0
1575	0.0	0.064	0.050	0.000	0.0
1580	0.0	0.059	0.046	0.000	0.1
1585	0.0	0.053	0.042	0.000	0.1
1590	0.0	0.048	0.038	0.000	0.1
1595	0.0	0.043	0.033	0.000	0.0
1600	0.0	0.037	0.029	0.000	0.1
1605	0.0	0.032	0.025	0.000	0.0
1610	0.0	0.026	0.020	0.000	0.0
1615	0.0	0.021	0.016	0.000	0.0
1620	0.0	0.015	0.012	0.000	0.1
1625	0.0	0.010	0.008	0.000	0.0
1630	0.0	0.005	0.004	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	0.004	0.003	0.000	0.0
1640	0.0	0.003	0.002	0.000	0.0
1645	0.0	0.003	0.002	0.000	0.0
1650	0.0	0.003	0.002	0.000	0.0
1655	0.0	0.002	0.002	0.000	0.0
1660	0.0	0.002	0.002	0.000	0.0
1665	0.0	0.002	0.002	0.000	0.0
1670	0.0	0.002	0.002	0.000	0.0
1675	0.0	0.002	0.002	0.000	0.0
1680	0.0	0.002	0.001	0.000	0.0
1685	0.0	0.002	0.001	0.000	0.0
1690	0.0	0.002	0.001	0.000	0.0
1695	0.0	0.002	0.001	0.000	0.0
1700	0.0	0.002	0.001	0.000	0.0
1705	0.0	0.002	0.001	0.000	0.0
1710	0.0	0.001	0.001	0.000	0.0
1715	0.0	0.001	0.001	0.000	0.0
1720	0.0	0.001	0.001	0.000	0.0
1725	0.0	0.001	0.001	0.000	0.0
1730	0.0	0.001	0.001	0.000	0.0
1735	0.0	0.001	0.001	0.000	0.0
1740	0.0	0.001	0.001	0.000	0.0
1745	0.0	0.001	0.001	0.000	0.0
1750	0.0	0.001	0.001	0.000	0.0
1755	0.0	0.001	0.001	0.000	0.0
1760	0.0	0.001	0.001	0.000	0.0
1765	0.0	0.001	0.001	0.000	0.0
1770	0.0	0.001	0.001	0.000	0.0
1775	0.0	0.001	0.001	0.000	0.0
1780	0.0	0.001	0.001	0.000	0.0
1785	0.0	0.001	0.001	0.000	0.0
1790	0.0	0.001	0.001	0.000	0.0
1795	0.0	0.001	0.001	0.000	0.0
1800	0.0	0.001	0.001	0.000	0.0
1805	0.0	0.001	0.001	0.000	0.0
1810	0.0	0.001	0.001	0.000	0.0
1815	0.0	0.001	0.001	0.000	0.0
1820	0.0	0.001	0.001	0.000	0.0
1825	0.0	0.001	0.001	0.000	0.0
1830	0.0	0.001	0.000	0.000	0.0
1835	0.0	0.001	0.000	0.000	0.0
1840	0.0	0.001	0.000	0.000	0.0
1845	0.0	0.001	0.000	0.000	0.0
1850	0.0	0.001	0.000	0.000	0.0
1855	0.0	0.001	0.000	0.000	0.0
1860	0.0	0.001	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		

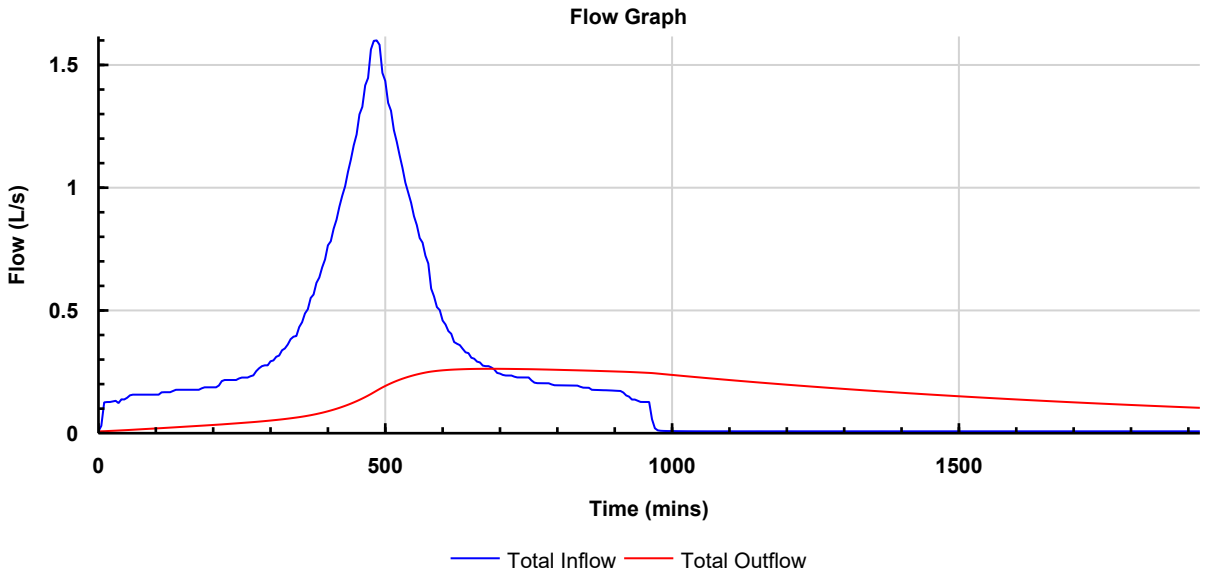
Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2735	0.0	0.000	0.000	0.000	0.0
2740	0.0	0.000	0.000	0.000	0.0
2745	0.0	0.000	0.000	0.000	0.0
2750	0.0	0.000	0.000	0.000	0.0
2755	0.0	0.000	0.000	0.000	0.0
2760	0.0	0.000	0.000	0.000	0.0
2765	0.0	0.000	0.000	0.000	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

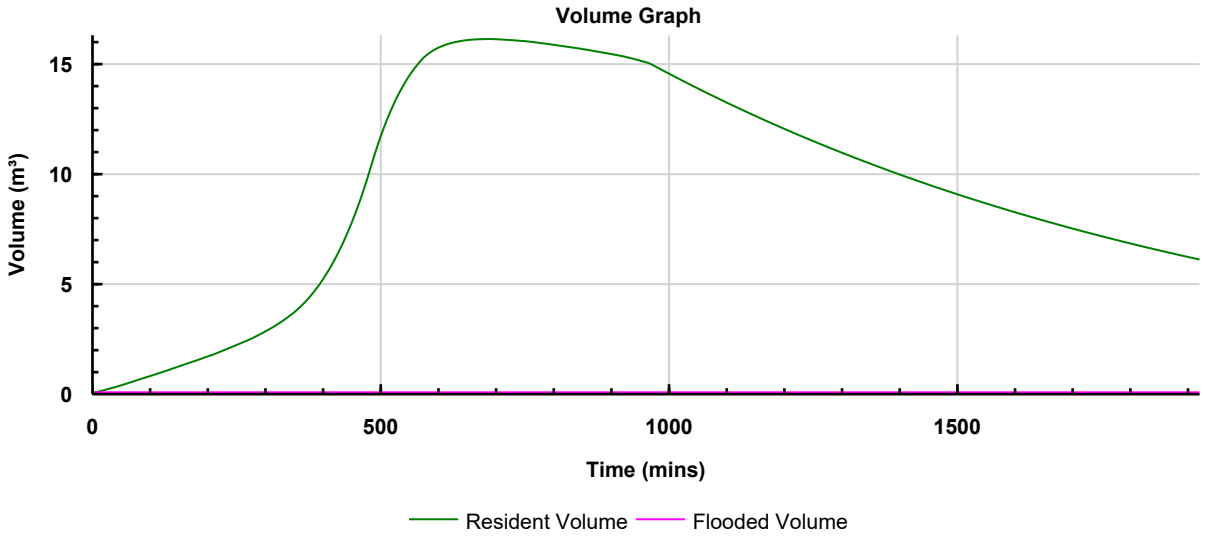
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

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

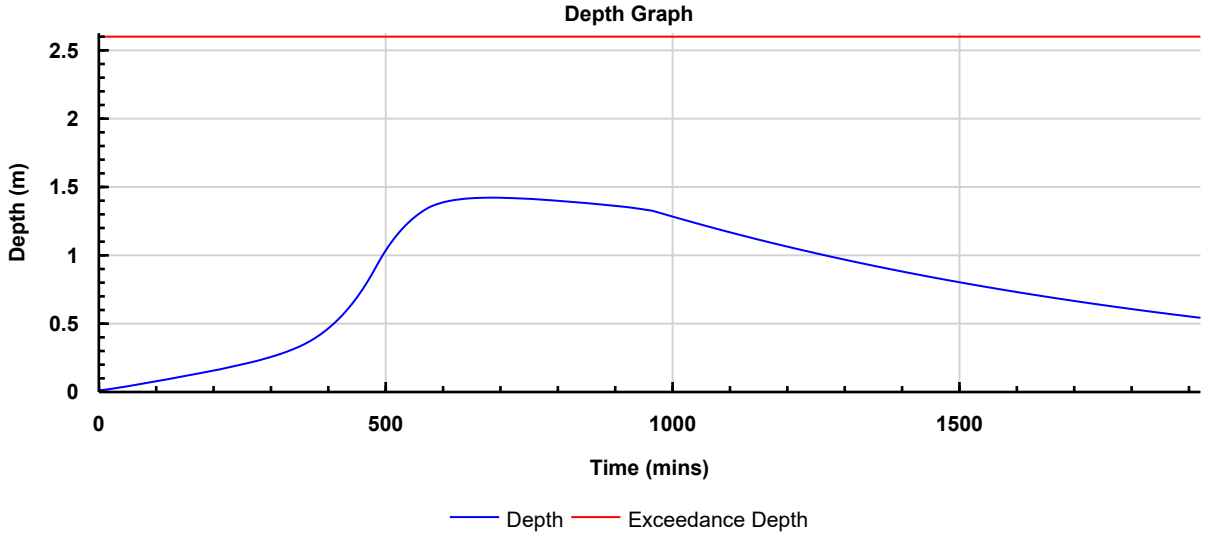
Type : Soakaway

Graphs





Project - 2080: 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	0.001	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	0.169	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	0.320	0.000	0.0
55	0.1	0.032	0.361	0.000	0.0
60	0.2	0.036	0.404	0.000	0.0
65	0.2	0.039	0.447	0.000	0.0
70	0.2	0.043	0.490	0.000	0.0
75	0.2	0.047	0.533	0.000	0.0
80	0.2	0.050	0.575	0.000	0.0
85	0.2	0.054	0.617	0.000	0.0
90	0.2	0.058	0.659	0.000	0.0
95	0.2	0.062	0.701	0.000	0.0
100	0.2	0.065	0.743	0.000	0.0
105	0.2	0.069	0.784	0.000	0.0
110	0.2	0.073	0.826	0.000	0.0
115	0.2	0.076	0.870	0.000	0.0
120	0.2	0.080	0.914	0.000	0.0
125	0.2	0.084	0.958	0.000	0.0
130	0.2	0.088	1.002	0.000	0.0
135	0.2	0.092	1.047	0.000	0.0
140	0.2	0.096	1.093	0.000	0.0
145	0.2	0.100	1.139	0.000	0.0
150	0.2	0.104	1.184	0.000	0.0
155	0.2	0.108	1.230	0.000	0.0
160	0.2	0.112	1.275	0.000	0.0
165	0.2	0.116	1.320	0.000	0.0
170	0.2	0.120	1.364	0.000	0.0
175	0.2	0.124	1.409	0.000	0.0
180	0.2	0.128	1.453	0.000	0.0
185	0.2	0.132	1.500	0.000	0.0
190	0.2	0.136	1.547	0.000	0.0
195	0.2	0.140	1.593	0.000	0.0
200	0.2	0.144	1.640	0.000	0.0
205	0.2	0.148	1.686	0.000	0.0
210	0.2	0.152	1.733	0.000	0.0
215	0.2	0.156	1.783	0.000	0.0
220	0.2	0.161	1.837	0.000	0.0
225	0.2	0.166	1.891	0.000	0.0
230	0.2	0.171	1.945	0.000	0.0
235	0.2	0.175	1.999	0.000	0.0
240	0.2	0.180	2.052	0.000	0.0
245	0.2	0.185	2.106	0.000	0.0
250	0.2	0.190	2.162	0.000	0.0
255	0.2	0.194	2.217	0.000	0.0
260	0.2	0.199	2.273	0.000	0.0
265	0.2	0.204	2.329	0.000	0.0
270	0.2	0.209	2.386	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	0.2	0.214	2.445	0.000	0.0
280	0.3	0.220	2.509	0.000	0.0
285	0.3	0.226	2.575	0.000	0.0
290	0.3	0.232	2.644	0.000	0.0
295	0.3	0.238	2.712	0.000	0.0
300	0.3	0.244	2.782	0.000	0.0
305	0.3	0.250	2.856	0.000	0.0
310	0.3	0.257	2.931	0.000	0.0
315	0.3	0.264	3.009	0.000	0.0
320	0.3	0.271	3.091	0.000	0.0
325	0.3	0.279	3.177	0.000	0.1
330	0.4	0.286	3.265	0.000	0.1
335	0.4	0.295	3.359	0.000	0.1
340	0.4	0.303	3.457	0.000	0.1
345	0.4	0.312	3.556	0.000	0.1
350	0.4	0.321	3.660	0.000	0.1
355	0.4	0.331	3.774	0.000	0.1
360	0.5	0.342	3.894	0.000	0.1
365	0.5	0.353	4.023	0.000	0.1
370	0.5	0.365	4.159	0.000	0.1
375	0.6	0.378	4.306	0.000	0.1
380	0.6	0.391	4.459	0.000	0.1
385	0.6	0.406	4.624	0.000	0.1
390	0.7	0.421	4.796	0.000	0.1
395	0.7	0.437	4.979	0.000	0.1
400	0.8	0.454	5.174	0.000	0.1
405	0.8	0.472	5.380	0.000	0.1
410	0.8	0.491	5.594	0.000	0.1
415	0.9	0.511	5.821	0.000	0.1
420	0.9	0.532	6.060	0.000	0.1
425	1.0	0.554	6.314	0.000	0.1
430	1.0	0.577	6.578	0.000	0.1
435	1.1	0.602	6.855	0.000	0.1
440	1.1	0.627	7.148	0.000	0.1
445	1.2	0.654	7.455	0.000	0.1
450	1.2	0.683	7.777	0.000	0.1
455	1.3	0.712	8.115	0.000	0.1
460	1.3	0.743	8.470	0.000	0.1
465	1.4	0.776	8.839	0.000	0.1
470	1.4	0.810	9.226	0.000	0.1
475	1.6	0.845	9.631	0.000	0.2
480	1.6	0.883	10.060	0.000	0.2
485	1.6	0.921	10.491	0.000	0.2
490	1.6	0.958	10.918	0.000	0.2
495	1.5	0.994	11.324	0.000	0.2
500	1.4	1.027	11.703	0.000	0.2
505	1.3	1.059	12.065	0.000	0.2
510	1.3	1.088	12.404	0.000	0.2
515	1.2	1.117	12.728	0.000	0.2
520	1.2	1.143	13.028	0.000	0.2
525	1.1	1.168	13.314	0.000	0.2
530	1.1	1.192	13.581	0.000	0.2
535	1.0	1.213	13.830	0.000	0.2
540	1.0	1.234	14.063	0.000	0.2
545	0.9	1.253	14.283	0.000	0.2
550	0.9	1.271	14.488	0.000	0.2
555	0.8	1.288	14.677	0.000	0.2
560	0.8	1.303	14.853	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)
565	0.8	1.317	15.016	0.000	0.2
570	0.7	1.331	15.168	0.000	0.2
575	0.7	1.343	15.306	0.000	0.2
580	0.6	1.353	15.420	0.000	0.2
585	0.6	1.361	15.516	0.000	0.2
590	0.5	1.369	15.602	0.000	0.2
595	0.5	1.375	15.678	0.000	0.2
600	0.5	1.381	15.747	0.000	0.2
605	0.4	1.386	15.804	0.000	0.3
610	0.4	1.391	15.856	0.000	0.3
615	0.4	1.395	15.902	0.000	0.3
620	0.4	1.398	15.942	0.000	0.3
625	0.4	1.401	15.974	0.000	0.3
630	0.4	1.404	16.005	0.000	0.3
635	0.3	1.406	16.032	0.000	0.3
640	0.3	1.408	16.055	0.000	0.3
645	0.3	1.410	16.075	0.000	0.3
650	0.3	1.411	16.092	0.000	0.3
655	0.3	1.413	16.105	0.000	0.3
660	0.3	1.414	16.116	0.000	0.3
665	0.3	1.414	16.124	0.000	0.3
670	0.3	1.415	16.130	0.000	0.3
675	0.3	1.415	16.134	0.000	0.3
680	0.3	1.415	16.137	0.000	0.3
685	0.3	1.416	16.140	0.000	0.3
690	0.3	1.416	16.140	0.000	0.3
695	0.2	1.415	16.137	0.000	0.3
700	0.2	1.415	16.132	0.000	0.3
705	0.2	1.414	16.125	0.000	0.3
710	0.2	1.414	16.117	0.000	0.3
715	0.2	1.413	16.109	0.000	0.3
720	0.2	1.412	16.101	0.000	0.3
725	0.2	1.411	16.093	0.000	0.3
730	0.2	1.411	16.082	0.000	0.3
735	0.2	1.410	16.072	0.000	0.3
740	0.2	1.409	16.062	0.000	0.3
745	0.2	1.408	16.052	0.000	0.3
750	0.2	1.407	16.041	0.000	0.3
755	0.2	1.406	16.030	0.000	0.3
760	0.2	1.405	16.015	0.000	0.3
765	0.2	1.403	15.998	0.000	0.3
770	0.2	1.402	15.981	0.000	0.3
775	0.2	1.400	15.964	0.000	0.3
780	0.2	1.399	15.947	0.000	0.3
785	0.2	1.397	15.930	0.000	0.3
790	0.2	1.396	15.913	0.000	0.3
795	0.2	1.394	15.894	0.000	0.3
800	0.2	1.392	15.875	0.000	0.3
805	0.2	1.391	15.856	0.000	0.3
810	0.2	1.389	15.837	0.000	0.3
815	0.2	1.387	15.818	0.000	0.3
820	0.2	1.386	15.799	0.000	0.3
825	0.2	1.384	15.780	0.000	0.3
830	0.2	1.382	15.762	0.000	0.2
835	0.2	1.381	15.743	0.000	0.2
840	0.2	1.379	15.724	0.000	0.2
845	0.2	1.377	15.703	0.000	0.2
850	0.2	1.375	15.682	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)
855	0.2	1.374	15.661	0.000	0.2
860	0.2	1.372	15.639	0.000	0.2
865	0.2	1.370	15.615	0.000	0.2
870	0.2	1.368	15.592	0.000	0.2
875	0.2	1.365	15.568	0.000	0.2
880	0.2	1.363	15.545	0.000	0.2
885	0.2	1.361	15.522	0.000	0.2
890	0.2	1.359	15.498	0.000	0.2
895	0.2	1.357	15.475	0.000	0.2
900	0.2	1.355	15.451	0.000	0.2
905	0.2	1.353	15.427	0.000	0.2
910	0.2	1.351	15.404	0.000	0.2
915	0.2	1.349	15.379	0.000	0.2
920	0.1	1.346	15.352	0.000	0.2
925	0.1	1.344	15.322	0.000	0.2
930	0.1	1.341	15.290	0.000	0.2
935	0.1	1.338	15.256	0.000	0.2
940	0.1	1.335	15.223	0.000	0.2
945	0.1	1.332	15.187	0.000	0.2
950	0.1	1.329	15.151	0.000	0.2
955	0.1	1.326	15.115	0.000	0.2
960	0.1	1.322	15.079	0.000	0.2
965	0.0	1.319	15.036	0.000	0.2
970	0.0	1.313	14.974	0.000	0.2
975	0.0	1.307	14.903	0.000	0.2
980	0.0	1.301	14.835	0.000	0.2
985	0.0	1.295	14.762	0.000	0.2
990	0.0	1.289	14.695	0.000	0.2
995	0.0	1.283	14.623	0.000	0.2
1000	0.0	1.276	14.557	0.000	0.2
1005	0.0	1.270	14.488	0.000	0.2
1010	0.0	1.264	14.418	0.000	0.2
1015	0.0	1.258	14.350	0.000	0.2
1020	0.0	1.252	14.281	0.000	0.2
1025	0.0	1.247	14.214	0.000	0.2
1030	0.0	1.241	14.145	0.000	0.2
1035	0.0	1.235	14.080	0.000	0.2
1040	0.0	1.229	14.011	0.000	0.2
1045	0.0	1.223	13.948	0.000	0.2
1050	0.0	1.217	13.882	0.000	0.2
1055	0.0	1.211	13.813	0.000	0.2
1060	0.0	1.206	13.750	0.000	0.2
1065	0.0	1.200	13.683	0.000	0.2
1070	0.0	1.194	13.619	0.000	0.2
1075	0.0	1.189	13.555	0.000	0.2
1080	0.0	1.183	13.491	0.000	0.2
1085	0.0	1.177	13.425	0.000	0.2
1090	0.0	1.172	13.362	0.000	0.2
1095	0.0	1.166	13.300	0.000	0.2
1100	0.0	1.161	13.234	0.000	0.2
1105	0.0	1.155	13.174	0.000	0.2
1110	0.0	1.150	13.110	0.000	0.2
1115	0.0	1.144	13.049	0.000	0.2
1120	0.0	1.139	12.985	0.000	0.2
1125	0.0	1.133	12.926	0.000	0.2
1130	0.0	1.128	12.864	0.000	0.2
1135	0.0	1.123	12.801	0.000	0.2
1140	0.0	1.117	12.743	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)
1145	0.0	1.112	12.681	0.000	0.2
1150	0.0	1.107	12.622	0.000	0.2
1155	0.0	1.102	12.560	0.000	0.2
1160	0.0	1.096	12.501	0.000	0.2
1165	0.0	1.091	12.441	0.000	0.2
1170	0.0	1.086	12.382	0.000	0.2
1175	0.0	1.081	12.324	0.000	0.2
1180	0.0	1.076	12.267	0.000	0.2
1185	0.0	1.071	12.209	0.000	0.2
1190	0.0	1.065	12.150	0.000	0.2
1195	0.0	1.060	12.093	0.000	0.2
1200	0.0	1.055	12.034	0.000	0.2
1205	0.0	1.050	11.978	0.000	0.2
1210	0.0	1.045	11.922	0.000	0.2
1215	0.0	1.040	11.865	0.000	0.2
1220	0.0	1.035	11.806	0.000	0.2
1225	0.0	1.031	11.752	0.000	0.2
1230	0.0	1.026	11.697	0.000	0.2
1235	0.0	1.021	11.641	0.000	0.2
1240	0.0	1.016	11.584	0.000	0.2
1245	0.0	1.011	11.530	0.000	0.2
1250	0.0	1.006	11.476	0.000	0.2
1255	0.0	1.002	11.422	0.000	0.2
1260	0.0	0.997	11.368	0.000	0.2
1265	0.0	0.992	11.314	0.000	0.2
1270	0.0	0.987	11.260	0.000	0.2
1275	0.0	0.983	11.207	0.000	0.2
1280	0.0	0.978	11.154	0.000	0.2
1285	0.0	0.973	11.101	0.000	0.2
1290	0.0	0.969	11.048	0.000	0.2
1295	0.0	0.964	10.995	0.000	0.2
1300	0.0	0.960	10.943	0.000	0.2
1305	0.0	0.955	10.891	0.000	0.2
1310	0.0	0.951	10.840	0.000	0.2
1315	0.0	0.946	10.788	0.000	0.2
1320	0.0	0.942	10.737	0.000	0.2
1325	0.0	0.937	10.686	0.000	0.2
1330	0.0	0.933	10.635	0.000	0.2
1335	0.0	0.928	10.585	0.000	0.2
1340	0.0	0.924	10.535	0.000	0.2
1345	0.0	0.919	10.485	0.000	0.2
1350	0.0	0.915	10.435	0.000	0.2
1355	0.0	0.911	10.385	0.000	0.2
1360	0.0	0.906	10.336	0.000	0.2
1365	0.0	0.902	10.287	0.000	0.2
1370	0.0	0.898	10.238	0.000	0.2
1375	0.0	0.894	10.190	0.000	0.2
1380	0.0	0.889	10.141	0.000	0.2
1385	0.0	0.885	10.093	0.000	0.2
1390	0.0	0.881	10.045	0.000	0.2
1395	0.0	0.877	9.998	0.000	0.2
1400	0.0	0.873	9.948	0.000	0.2
1405	0.0	0.868	9.903	0.000	0.2
1410	0.0	0.864	9.856	0.000	0.2
1415	0.0	0.860	9.807	0.000	0.2
1420	0.0	0.856	9.763	0.000	0.2
1425	0.0	0.852	9.716	0.000	0.2
1430	0.0	0.848	9.670	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)
1435	0.0	0.844	9.624	0.000	0.2
1440	0.0	0.840	9.578	0.000	0.2
1445	0.0	0.836	9.533	0.000	0.2
1450	0.0	0.832	9.487	0.000	0.2
1455	0.0	0.828	9.441	0.000	0.1
1460	0.0	0.824	9.398	0.000	0.1
1465	0.0	0.820	9.353	0.000	0.1
1470	0.0	0.816	9.309	0.000	0.1
1475	0.0	0.812	9.265	0.000	0.1
1480	0.0	0.809	9.221	0.000	0.1
1485	0.0	0.805	9.177	0.000	0.1
1490	0.0	0.801	9.133	0.000	0.1
1495	0.0	0.797	9.090	0.000	0.1
1500	0.0	0.793	9.047	0.000	0.1
1505	0.0	0.790	9.004	0.000	0.1
1510	0.0	0.786	8.961	0.000	0.1
1515	0.0	0.782	8.919	0.000	0.1
1520	0.0	0.778	8.876	0.000	0.1
1525	0.0	0.775	8.834	0.000	0.1
1530	0.0	0.771	8.792	0.000	0.1
1535	0.0	0.767	8.751	0.000	0.1
1540	0.0	0.764	8.709	0.000	0.1
1545	0.0	0.760	8.668	0.000	0.1
1550	0.0	0.756	8.627	0.000	0.1
1555	0.0	0.753	8.586	0.000	0.1
1560	0.0	0.749	8.545	0.000	0.1
1565	0.0	0.746	8.504	0.000	0.1
1570	0.0	0.742	8.464	0.000	0.1
1575	0.0	0.739	8.424	0.000	0.1
1580	0.0	0.735	8.384	0.000	0.1
1585	0.0	0.732	8.344	0.000	0.1
1590	0.0	0.728	8.304	0.000	0.1
1595	0.0	0.725	8.265	0.000	0.1
1600	0.0	0.721	8.226	0.000	0.1
1605	0.0	0.718	8.187	0.000	0.1
1610	0.0	0.714	8.148	0.000	0.1
1615	0.0	0.711	8.109	0.000	0.1
1620	0.0	0.708	8.071	0.000	0.1
1625	0.0	0.704	8.032	0.000	0.1
1630	0.0	0.701	7.994	0.000	0.1
1635	0.0	0.698	7.956	0.000	0.1
1640	0.0	0.694	7.919	0.000	0.1
1645	0.0	0.691	7.881	0.000	0.1
1650	0.0	0.688	7.844	0.000	0.1
1655	0.0	0.685	7.806	0.000	0.1
1660	0.0	0.681	7.769	0.000	0.1
1665	0.0	0.678	7.732	0.000	0.1
1670	0.0	0.675	7.696	0.000	0.1
1675	0.0	0.672	7.659	0.000	0.1
1680	0.0	0.668	7.623	0.000	0.1
1685	0.0	0.665	7.587	0.000	0.1
1690	0.0	0.662	7.551	0.000	0.1
1695	0.0	0.659	7.515	0.000	0.1
1700	0.0	0.656	7.479	0.000	0.1
1705	0.0	0.653	7.444	0.000	0.1
1710	0.0	0.650	7.408	0.000	0.1
1715	0.0	0.647	7.373	0.000	0.1
1720	0.0	0.643	7.338	0.000	0.1

Project - 2080:	Date:		
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	Designed by:	Checked by:	Approved By:
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Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

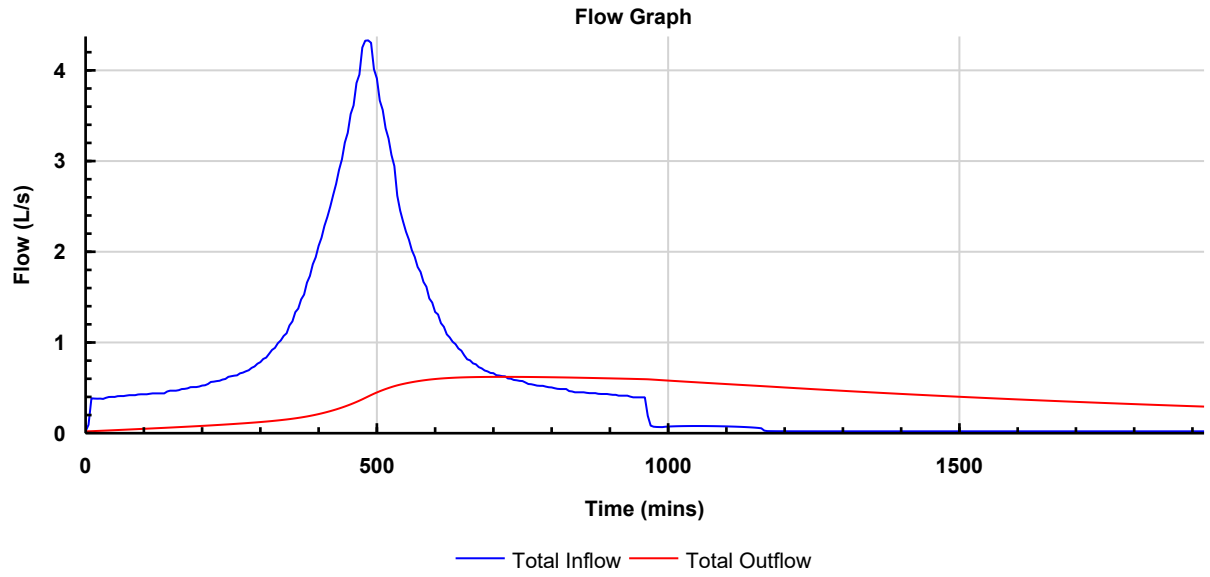
Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1725	0.0	0.640	7.303	0.000	0.1
1730	0.0	0.637	7.269	0.000	0.1
1735	0.0	0.634	7.234	0.000	0.1
1740	0.0	0.631	7.200	0.000	0.1
1745	0.0	0.628	7.166	0.000	0.1
1750	0.0	0.625	7.132	0.000	0.1
1755	0.0	0.622	7.098	0.000	0.1
1760	0.0	0.619	7.064	0.000	0.1
1765	0.0	0.617	7.031	0.000	0.1
1770	0.0	0.614	6.997	0.000	0.1
1775	0.0	0.611	6.964	0.000	0.1
1780	0.0	0.608	6.931	0.000	0.1
1785	0.0	0.605	6.898	0.000	0.1
1790	0.0	0.602	6.865	0.000	0.1
1795	0.0	0.599	6.833	0.000	0.1
1800	0.0	0.596	6.800	0.000	0.1
1805	0.0	0.593	6.768	0.000	0.1
1810	0.0	0.591	6.736	0.000	0.1
1815	0.0	0.588	6.704	0.000	0.1
1820	0.0	0.585	6.672	0.000	0.1
1825	0.0	0.582	6.641	0.000	0.1
1830	0.0	0.580	6.609	0.000	0.1
1835	0.0	0.577	6.578	0.000	0.1
1840	0.0	0.574	6.546	0.000	0.1
1845	0.0	0.571	6.515	0.000	0.1
1850	0.0	0.569	6.484	0.000	0.1
1855	0.0	0.566	6.454	0.000	0.1
1860	0.0	0.563	6.423	0.000	0.1
1865	0.0	0.561	6.393	0.000	0.1
1870	0.0	0.558	6.362	0.000	0.1
1875	0.0	0.555	6.332	0.000	0.1
1880	0.0	0.553	6.302	0.000	0.1
1885	0.0	0.550	6.272	0.000	0.1
1890	0.0	0.547	6.242	0.000	0.1
1895	0.0	0.545	6.213	0.000	0.1
1900	0.0	0.542	6.183	0.000	0.1
1905	0.0	0.540	6.154	0.000	0.1
1910	0.0	0.537	6.125	0.000	0.1
1915	0.0	0.535	6.096	0.000	0.1
1920	0.0	0.532	6.066	0.000	0.1

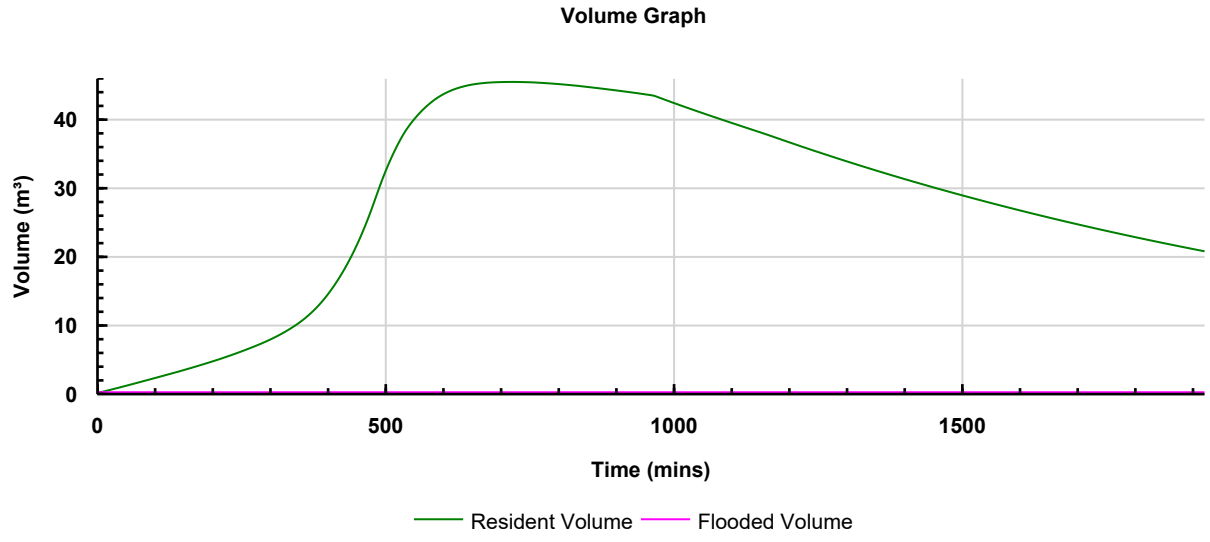
Project - 2080:	Date:		
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Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Soakaway (1)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 960 mins: Summer

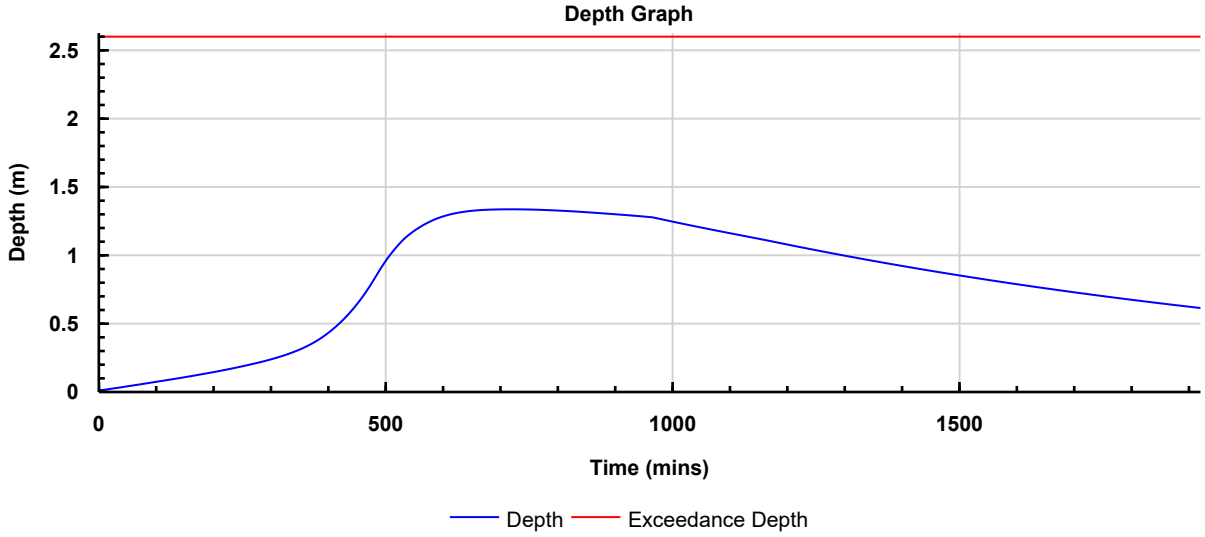
Type : Soakaway

Graphs





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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	0.005	0.000	0.0
10	0.4	0.003	0.087	0.000	0.0
15	0.4	0.006	0.196	0.000	0.0
20	0.4	0.009	0.303	0.000	0.0
25	0.4	0.012	0.410	0.000	0.0
30	0.4	0.015	0.516	0.000	0.0
35	0.4	0.018	0.623	0.000	0.0
40	0.4	0.021	0.733	0.000	0.0
45	0.4	0.025	0.844	0.000	0.0
50	0.4	0.028	0.955	0.000	0.0
55	0.4	0.031	1.066	0.000	0.0
60	0.4	0.035	1.179	0.000	0.0
65	0.4	0.038	1.291	0.000	0.0
70	0.4	0.041	1.403	0.000	0.0
75	0.4	0.044	1.517	0.000	0.0
80	0.4	0.048	1.631	0.000	0.0
85	0.4	0.051	1.744	0.000	0.0
90	0.4	0.054	1.858	0.000	0.0
95	0.4	0.058	1.974	0.000	0.0
100	0.4	0.061	2.089	0.000	0.0
105	0.4	0.064	2.203	0.000	0.0
110	0.4	0.068	2.318	0.000	0.0
115	0.4	0.071	2.434	0.000	0.0
120	0.4	0.075	2.550	0.000	0.0
125	0.4	0.078	2.666	0.000	0.0
130	0.4	0.081	2.781	0.000	0.0
135	0.4	0.085	2.896	0.000	0.0
140	0.4	0.088	3.012	0.000	0.0
145	0.5	0.092	3.135	0.000	0.0
150	0.5	0.095	3.257	0.000	0.0
155	0.5	0.099	3.379	0.000	0.0
160	0.5	0.102	3.501	0.000	0.0
165	0.5	0.106	3.625	0.000	0.0
170	0.5	0.110	3.751	0.000	0.0
175	0.5	0.113	3.878	0.000	0.1
180	0.5	0.117	4.007	0.000	0.1
185	0.5	0.121	4.138	0.000	0.1
190	0.5	0.125	4.268	0.000	0.1
195	0.5	0.129	4.399	0.000	0.1
200	0.5	0.132	4.531	0.000	0.1
205	0.5	0.136	4.666	0.000	0.1
210	0.5	0.140	4.802	0.000	0.1
215	0.5	0.145	4.943	0.000	0.1
220	0.6	0.149	5.088	0.000	0.1
225	0.6	0.153	5.233	0.000	0.1
230	0.6	0.157	5.380	0.000	0.1
235	0.6	0.162	5.527	0.000	0.1
240	0.6	0.166	5.679	0.000	0.1
245	0.6	0.171	5.833	0.000	0.1
250	0.6	0.175	5.992	0.000	0.1
255	0.6	0.180	6.151	0.000	0.1
260	0.6	0.185	6.312	0.000	0.1
265	0.6	0.189	6.475	0.000	0.1
270	0.7	0.194	6.644	0.000	0.1

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)
275	0.7	0.199	6.814	0.000	0.1
280	0.7	0.204	6.988	0.000	0.1
285	0.7	0.210	7.166	0.000	0.1
290	0.7	0.215	7.351	0.000	0.1
295	0.7	0.220	7.541	0.000	0.1
300	0.8	0.226	7.738	0.000	0.1
305	0.8	0.232	7.941	0.000	0.1
310	0.8	0.238	8.153	0.000	0.1
315	0.9	0.245	8.370	0.000	0.1
320	0.9	0.251	8.601	0.000	0.1
325	0.9	0.258	8.840	0.000	0.1
330	1.0	0.266	9.089	0.000	0.1
335	1.0	0.273	9.349	0.000	0.1
340	1.1	0.281	9.620	0.000	0.1
345	1.1	0.290	9.897	0.000	0.1
350	1.2	0.298	10.194	0.000	0.1
355	1.2	0.308	10.513	0.000	0.1
360	1.3	0.317	10.848	0.000	0.1
365	1.4	0.328	11.209	0.000	0.1
370	1.5	0.339	11.583	0.000	0.2
375	1.5	0.351	11.984	0.000	0.2
380	1.6	0.363	12.407	0.000	0.2
385	1.7	0.376	12.864	0.000	0.2
390	1.8	0.390	13.344	0.000	0.2
395	1.9	0.406	13.858	0.000	0.2
400	2.1	0.421	14.397	0.000	0.2
405	2.1	0.438	14.970	0.000	0.2
410	2.3	0.456	15.570	0.000	0.2
415	2.4	0.474	16.205	0.000	0.2
420	2.5	0.494	16.868	0.000	0.2
425	2.6	0.514	17.565	0.000	0.2
430	2.7	0.535	18.297	0.000	0.2
435	2.9	0.558	19.066	0.000	0.3
440	3.0	0.582	19.875	0.000	0.3
445	3.2	0.606	20.724	0.000	0.3
450	3.3	0.632	21.617	0.000	0.3
455	3.5	0.660	22.549	0.000	0.3
460	3.6	0.688	23.528	0.000	0.3
465	3.9	0.718	24.548	0.000	0.3
470	4.0	0.750	25.623	0.000	0.3
475	4.3	0.782	26.744	0.000	0.4
480	4.3	0.817	27.927	0.000	0.4
485	4.3	0.852	29.112	0.000	0.4
490	4.3	0.886	30.290	0.000	0.4
495	4.0	0.919	31.421	0.000	0.4
500	3.9	0.950	32.477	0.000	0.4
505	3.7	0.980	33.487	0.000	0.4
510	3.6	1.007	34.432	0.000	0.5
515	3.4	1.034	35.334	0.000	0.5
520	3.2	1.058	36.180	0.000	0.5
525	3.1	1.082	36.983	0.000	0.5
530	2.9	1.104	37.734	0.000	0.5
535	2.6	1.123	38.410	0.000	0.5
540	2.4	1.141	39.015	0.000	0.5
545	2.3	1.157	39.574	0.000	0.5
550	2.2	1.173	40.096	0.000	0.5
555	2.1	1.187	40.585	0.000	0.5
560	2.0	1.200	41.044	0.000	0.5

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Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
565	1.9	1.213	41.472	0.000	0.5
570	1.8	1.224	41.868	0.000	0.6
575	1.8	1.235	42.238	0.000	0.6
580	1.7	1.245	42.585	0.000	0.6
585	1.6	1.255	42.903	0.000	0.6
590	1.5	1.263	43.196	0.000	0.6
595	1.4	1.271	43.457	0.000	0.6
600	1.3	1.278	43.698	0.000	0.6
605	1.3	1.284	43.912	0.000	0.6
610	1.2	1.290	44.114	0.000	0.6
615	1.2	1.295	44.289	0.000	0.6
620	1.1	1.300	44.450	0.000	0.6
625	1.0	1.304	44.589	0.000	0.6
630	1.0	1.307	44.717	0.000	0.6
635	1.0	1.311	44.832	0.000	0.6
640	0.9	1.314	44.937	0.000	0.6
645	0.9	1.317	45.030	0.000	0.6
650	0.8	1.319	45.109	0.000	0.6
655	0.8	1.321	45.176	0.000	0.6
660	0.8	1.323	45.233	0.000	0.6
665	0.8	1.324	45.285	0.000	0.6
670	0.7	1.325	45.329	0.000	0.6
675	0.7	1.326	45.367	0.000	0.6
680	0.7	1.327	45.397	0.000	0.6
685	0.7	1.328	45.422	0.000	0.6
690	0.7	1.329	45.442	0.000	0.6
695	0.6	1.329	45.458	0.000	0.6
700	0.6	1.329	45.471	0.000	0.6
705	0.6	1.330	45.480	0.000	0.6
710	0.6	1.330	45.485	0.000	0.6
715	0.6	1.330	45.489	0.000	0.6
720	0.6	1.330	45.491	0.000	0.6
725	0.6	1.330	45.489	0.000	0.6
730	0.6	1.330	45.483	0.000	0.6
735	0.6	1.330	45.476	0.000	0.6
740	0.6	1.329	45.465	0.000	0.6
745	0.6	1.329	45.453	0.000	0.6
750	0.6	1.328	45.439	0.000	0.6
755	0.5	1.328	45.423	0.000	0.6
760	0.5	1.327	45.403	0.000	0.6
765	0.5	1.327	45.379	0.000	0.6
770	0.5	1.326	45.354	0.000	0.6
775	0.5	1.325	45.327	0.000	0.6
780	0.5	1.324	45.298	0.000	0.6
785	0.5	1.323	45.269	0.000	0.6
790	0.5	1.323	45.239	0.000	0.6
795	0.5	1.322	45.207	0.000	0.6
800	0.5	1.321	45.173	0.000	0.6
805	0.5	1.320	45.138	0.000	0.6
810	0.5	1.319	45.101	0.000	0.6
815	0.5	1.317	45.062	0.000	0.6
820	0.5	1.316	45.024	0.000	0.6
825	0.5	1.315	44.985	0.000	0.6
830	0.4	1.314	44.944	0.000	0.6
835	0.4	1.313	44.898	0.000	0.6
840	0.4	1.311	44.850	0.000	0.6
845	0.4	1.310	44.801	0.000	0.6
850	0.4	1.308	44.753	0.000	0.6

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Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
855	0.4	1.307	44.705	0.000	0.6
860	0.4	1.306	44.656	0.000	0.6
865	0.4	1.304	44.606	0.000	0.6
870	0.4	1.303	44.555	0.000	0.6
875	0.4	1.301	44.505	0.000	0.6
880	0.4	1.300	44.454	0.000	0.6
885	0.4	1.298	44.402	0.000	0.6
890	0.4	1.297	44.349	0.000	0.6
895	0.4	1.295	44.297	0.000	0.6
900	0.4	1.294	44.245	0.000	0.6
905	0.4	1.292	44.190	0.000	0.6
910	0.4	1.290	44.136	0.000	0.6
915	0.4	1.289	44.081	0.000	0.6
920	0.4	1.287	44.024	0.000	0.6
925	0.4	1.285	43.967	0.000	0.6
930	0.4	1.284	43.911	0.000	0.6
935	0.4	1.282	43.854	0.000	0.6
940	0.4	1.280	43.793	0.000	0.6
945	0.4	1.279	43.732	0.000	0.6
950	0.4	1.277	43.671	0.000	0.6
955	0.4	1.275	43.611	0.000	0.6
960	0.4	1.273	43.550	0.000	0.6
965	0.2	1.271	43.468	0.000	0.6
970	0.1	1.266	43.327	0.000	0.6
975	0.1	1.262	43.167	0.000	0.6
980	0.0	1.257	43.015	0.000	0.6
985	0.0	1.253	42.851	0.000	0.6
990	0.0	1.248	42.702	0.000	0.6
995	0.1	1.244	42.540	0.000	0.6
1000	0.1	1.239	42.394	0.000	0.6
1005	0.1	1.235	42.241	0.000	0.6
1010	0.1	1.230	42.086	0.000	0.6
1015	0.1	1.226	41.938	0.000	0.6
1020	0.1	1.222	41.785	0.000	0.6
1025	0.1	1.217	41.637	0.000	0.6
1030	0.1	1.213	41.486	0.000	0.5
1035	0.1	1.209	41.344	0.000	0.5
1040	0.1	1.204	41.193	0.000	0.5
1045	0.1	1.200	41.054	0.000	0.5
1050	0.1	1.196	40.908	0.000	0.5
1055	0.1	1.192	40.757	0.000	0.5
1060	0.1	1.187	40.619	0.000	0.5
1065	0.1	1.183	40.470	0.000	0.5
1070	0.1	1.179	40.330	0.000	0.5
1075	0.1	1.175	40.189	0.000	0.5
1080	0.1	1.171	40.047	0.000	0.5
1085	0.1	1.166	39.900	0.000	0.5
1090	0.1	1.162	39.760	0.000	0.5
1095	0.1	1.158	39.622	0.000	0.5
1100	0.1	1.154	39.475	0.000	0.5
1105	0.1	1.150	39.341	0.000	0.5
1110	0.1	1.146	39.197	0.000	0.5
1115	0.1	1.142	39.060	0.000	0.5
1120	0.1	1.138	38.916	0.000	0.5
1125	0.0	1.134	38.781	0.000	0.5
1130	0.0	1.130	38.642	0.000	0.5
1135	0.0	1.125	38.497	0.000	0.5
1140	0.0	1.121	38.363	0.000	0.5

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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	1.117	38.221	0.000	0.5
1150	0.0	1.113	38.085	0.000	0.5
1155	0.0	1.109	37.940	0.000	0.5
1160	0.0	1.105	37.803	0.000	0.5
1165	0.0	1.101	37.658	0.000	0.5
1170	0.0	1.097	37.510	0.000	0.5
1175	0.0	1.092	37.364	0.000	0.5
1180	0.0	1.088	37.219	0.000	0.5
1185	0.0	1.084	37.072	0.000	0.5
1190	0.0	1.079	36.924	0.000	0.5
1195	0.0	1.075	36.778	0.000	0.5
1200	0.0	1.071	36.628	0.000	0.5
1205	0.0	1.067	36.487	0.000	0.5
1210	0.0	1.062	36.343	0.000	0.5
1215	0.0	1.058	36.198	0.000	0.5
1220	0.0	1.054	36.048	0.000	0.5
1225	0.0	1.050	35.909	0.000	0.5
1230	0.0	1.046	35.769	0.000	0.5
1235	0.0	1.041	35.626	0.000	0.5
1240	0.0	1.037	35.480	0.000	0.5
1245	0.0	1.033	35.342	0.000	0.5
1250	0.0	1.029	35.205	0.000	0.5
1255	0.0	1.025	35.065	0.000	0.5
1260	0.0	1.021	34.926	0.000	0.5
1265	0.0	1.017	34.788	0.000	0.5
1270	0.0	1.013	34.650	0.000	0.5
1275	0.0	1.009	34.512	0.000	0.5
1280	0.0	1.005	34.375	0.000	0.5
1285	0.0	1.001	34.239	0.000	0.5
1290	0.0	0.997	34.103	0.000	0.5
1295	0.0	0.993	33.967	0.000	0.5
1300	0.0	0.989	33.833	0.000	0.4
1305	0.0	0.985	33.698	0.000	0.4
1310	0.0	0.981	33.565	0.000	0.4
1315	0.0	0.977	33.431	0.000	0.4
1320	0.0	0.973	33.299	0.000	0.4
1325	0.0	0.969	33.166	0.000	0.4
1330	0.0	0.966	33.035	0.000	0.4
1335	0.0	0.962	32.904	0.000	0.4
1340	0.0	0.958	32.773	0.000	0.4
1345	0.0	0.954	32.643	0.000	0.4
1350	0.0	0.950	32.513	0.000	0.4
1355	0.0	0.947	32.384	0.000	0.4
1360	0.0	0.943	32.256	0.000	0.4
1365	0.0	0.939	32.128	0.000	0.4
1370	0.0	0.935	32.000	0.000	0.4
1375	0.0	0.932	31.873	0.000	0.4
1380	0.0	0.928	31.747	0.000	0.4
1385	0.0	0.924	31.621	0.000	0.4
1390	0.0	0.921	31.495	0.000	0.4
1395	0.0	0.917	31.370	0.000	0.4
1400	0.0	0.913	31.240	0.000	0.4
1405	0.0	0.910	31.122	0.000	0.4
1410	0.0	0.906	30.998	0.000	0.4
1415	0.0	0.902	30.869	0.000	0.4
1420	0.0	0.899	30.752	0.000	0.4
1425	0.0	0.895	30.630	0.000	0.4
1430	0.0	0.892	30.509	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		

Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1435	0.0	0.888	30.388	0.000	0.4
1440	0.0	0.885	30.267	0.000	0.4
1445	0.0	0.881	30.147	0.000	0.4
1450	0.0	0.878	30.025	0.000	0.4
1455	0.0	0.874	29.904	0.000	0.4
1460	0.0	0.871	29.789	0.000	0.4
1465	0.0	0.867	29.671	0.000	0.4
1470	0.0	0.864	29.553	0.000	0.4
1475	0.0	0.860	29.436	0.000	0.4
1480	0.0	0.857	29.319	0.000	0.4
1485	0.0	0.854	29.203	0.000	0.4
1490	0.0	0.850	29.087	0.000	0.4
1495	0.0	0.847	28.971	0.000	0.4
1500	0.0	0.843	28.856	0.000	0.4
1505	0.0	0.840	28.742	0.000	0.4
1510	0.0	0.837	28.628	0.000	0.4
1515	0.0	0.833	28.514	0.000	0.4
1520	0.0	0.830	28.401	0.000	0.4
1525	0.0	0.827	28.288	0.000	0.4
1530	0.0	0.824	28.176	0.000	0.4
1535	0.0	0.820	28.064	0.000	0.4
1540	0.0	0.817	27.953	0.000	0.4
1545	0.0	0.814	27.842	0.000	0.4
1550	0.0	0.811	27.731	0.000	0.4
1555	0.0	0.807	27.621	0.000	0.4
1560	0.0	0.804	27.511	0.000	0.4
1565	0.0	0.801	27.402	0.000	0.4
1570	0.0	0.798	27.294	0.000	0.4
1575	0.0	0.795	27.185	0.000	0.4
1580	0.0	0.791	27.077	0.000	0.4
1585	0.0	0.788	26.970	0.000	0.4
1590	0.0	0.785	26.863	0.000	0.4
1595	0.0	0.782	26.756	0.000	0.4
1600	0.0	0.779	26.650	0.000	0.4
1605	0.0	0.776	26.544	0.000	0.4
1610	0.0	0.773	26.439	0.000	0.4
1615	0.0	0.770	26.334	0.000	0.3
1620	0.0	0.767	26.229	0.000	0.3
1625	0.0	0.764	26.125	0.000	0.3
1630	0.0	0.761	26.021	0.000	0.3
1635	0.0	0.758	25.918	0.000	0.3
1640	0.0	0.755	25.815	0.000	0.3
1645	0.0	0.752	25.713	0.000	0.3
1650	0.0	0.749	25.611	0.000	0.3
1655	0.0	0.746	25.509	0.000	0.3
1660	0.0	0.743	25.408	0.000	0.3
1665	0.0	0.740	25.307	0.000	0.3
1670	0.0	0.737	25.206	0.000	0.3
1675	0.0	0.734	25.106	0.000	0.3
1680	0.0	0.731	25.007	0.000	0.3
1685	0.0	0.728	24.907	0.000	0.3
1690	0.0	0.725	24.809	0.000	0.3
1695	0.0	0.722	24.710	0.000	0.3
1700	0.0	0.719	24.612	0.000	0.3
1705	0.0	0.717	24.514	0.000	0.3
1710	0.0	0.714	24.417	0.000	0.3
1715	0.0	0.711	24.320	0.000	0.3
1720	0.0	0.708	24.224	0.000	0.3

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)
1725	0.0	0.705	24.127	0.000	0.3
1730	0.0	0.702	24.032	0.000	0.3
1735	0.0	0.700	23.936	0.000	0.3
1740	0.0	0.697	23.841	0.000	0.3
1745	0.0	0.694	23.747	0.000	0.3
1750	0.0	0.691	23.652	0.000	0.3
1755	0.0	0.689	23.558	0.000	0.3
1760	0.0	0.686	23.465	0.000	0.3
1765	0.0	0.683	23.372	0.000	0.3
1770	0.0	0.680	23.279	0.000	0.3
1775	0.0	0.678	23.187	0.000	0.3
1780	0.0	0.675	23.095	0.000	0.3
1785	0.0	0.672	23.003	0.000	0.3
1790	0.0	0.670	22.912	0.000	0.3
1795	0.0	0.667	22.821	0.000	0.3
1800	0.0	0.664	22.730	0.000	0.3
1805	0.0	0.662	22.640	0.000	0.3
1810	0.0	0.659	22.550	0.000	0.3
1815	0.0	0.657	22.460	0.000	0.3
1820	0.0	0.654	22.371	0.000	0.3
1825	0.0	0.651	22.282	0.000	0.3
1830	0.0	0.649	22.194	0.000	0.3
1835	0.0	0.646	22.106	0.000	0.3
1840	0.0	0.644	22.018	0.000	0.3
1845	0.0	0.641	21.931	0.000	0.3
1850	0.0	0.639	21.844	0.000	0.3
1855	0.0	0.636	21.757	0.000	0.3
1860	0.0	0.633	21.671	0.000	0.3
1865	0.0	0.631	21.585	0.000	0.3
1870	0.0	0.628	21.499	0.000	0.3
1875	0.0	0.626	21.414	0.000	0.3
1880	0.0	0.623	21.329	0.000	0.3
1885	0.0	0.621	21.244	0.000	0.3
1890	0.0	0.619	21.160	0.000	0.3
1895	0.0	0.616	21.076	0.000	0.3
1900	0.0	0.614	20.992	0.000	0.3
1905	0.0	0.611	20.909	0.000	0.3
1910	0.0	0.609	20.826	0.000	0.3
1915	0.0	0.606	20.743	0.000	0.3
1920	0.0	0.604	20.659	0.000	0.3

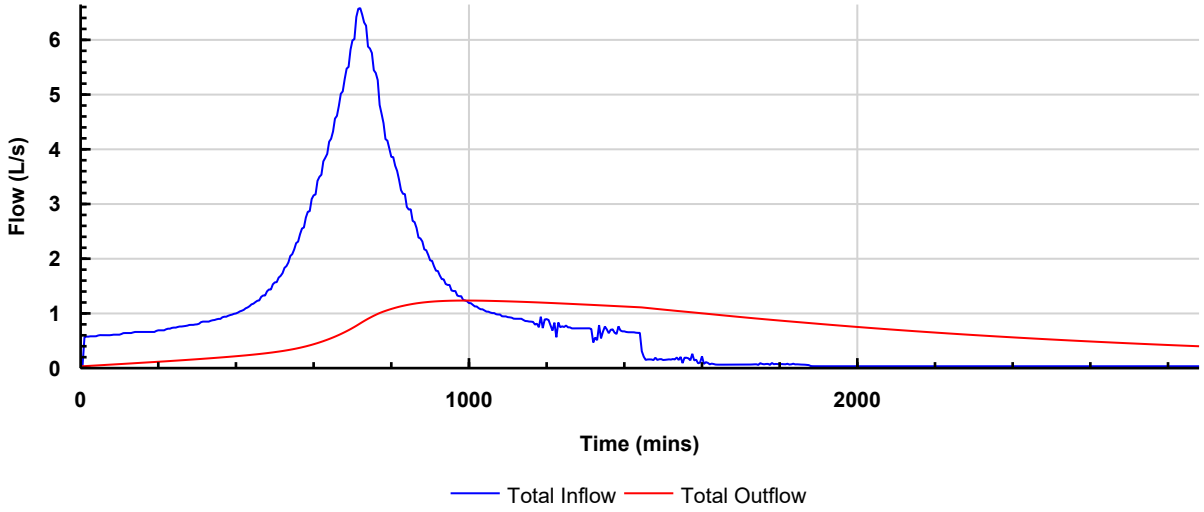
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
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Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Soakaway (2)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

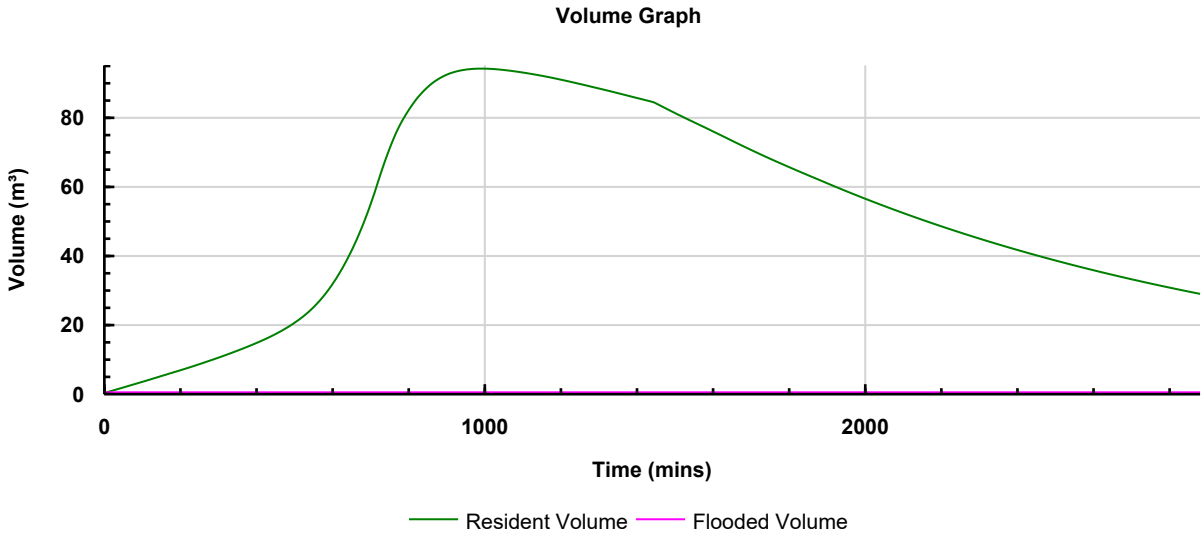
Type : Soakaway

Graphs

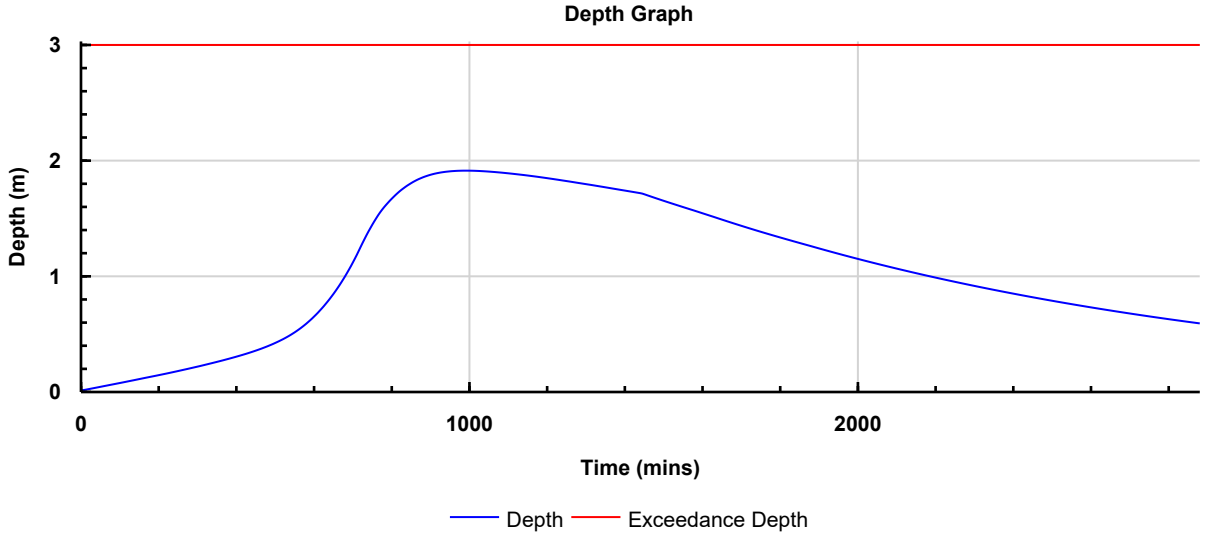
Flow Graph



Volume Graph



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		

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	0.435	0.000	0.0
25	0.5	0.012	0.597	0.000	0.0
30	0.5	0.015	0.759	0.000	0.0
35	0.5	0.019	0.921	0.000	0.0
40	0.6	0.022	1.082	0.000	0.0
45	0.6	0.025	1.244	0.000	0.0
50	0.6	0.029	1.410	0.000	0.0
55	0.6	0.032	1.576	0.000	0.0
60	0.6	0.035	1.740	0.000	0.0
65	0.6	0.039	1.904	0.000	0.0
70	0.6	0.042	2.068	0.000	0.0
75	0.6	0.045	2.231	0.000	0.0
80	0.6	0.048	2.393	0.000	0.0
85	0.6	0.052	2.557	0.000	0.0
90	0.6	0.055	2.721	0.000	0.0
95	0.6	0.058	2.884	0.000	0.0
100	0.6	0.062	3.047	0.000	0.0
105	0.6	0.065	3.210	0.000	0.0
110	0.6	0.068	3.378	0.000	0.0
115	0.6	0.072	3.547	0.000	0.0
120	0.6	0.075	3.716	0.000	0.0
125	0.6	0.079	3.885	0.000	0.0
130	0.6	0.082	4.053	0.000	0.1
135	0.6	0.085	4.221	0.000	0.1
140	0.6	0.089	4.392	0.000	0.1
145	0.6	0.092	4.564	0.000	0.1
150	0.6	0.096	4.735	0.000	0.1
155	0.6	0.099	4.906	0.000	0.1
160	0.6	0.103	5.076	0.000	0.1
165	0.6	0.106	5.245	0.000	0.1
170	0.6	0.110	5.414	0.000	0.1
175	0.6	0.113	5.581	0.000	0.1
180	0.6	0.116	5.749	0.000	0.1
185	0.6	0.120	5.915	0.000	0.1
190	0.6	0.123	6.081	0.000	0.1
195	0.6	0.127	6.249	0.000	0.1
200	0.7	0.130	6.422	0.000	0.1
205	0.7	0.134	6.595	0.000	0.1
210	0.7	0.137	6.767	0.000	0.1
215	0.7	0.140	6.939	0.000	0.1
220	0.7	0.144	7.112	0.000	0.1
225	0.7	0.148	7.290	0.000	0.1
230	0.7	0.151	7.469	0.000	0.1
235	0.7	0.155	7.648	0.000	0.1
240	0.7	0.159	7.831	0.000	0.1
245	0.7	0.162	8.014	0.000	0.1
250	0.7	0.166	8.197	0.000	0.1
255	0.7	0.170	8.383	0.000	0.1
260	0.7	0.173	8.570	0.000	0.1
265	0.7	0.177	8.756	0.000	0.1
270	0.7	0.181	8.943	0.000	0.1

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)
275	0.7	0.185	9.131	0.000	0.1
280	0.8	0.189	9.322	0.000	0.1
285	0.8	0.193	9.514	0.000	0.1
290	0.8	0.196	9.705	0.000	0.1
295	0.8	0.200	9.896	0.000	0.1
300	0.8	0.204	10.088	0.000	0.1
305	0.8	0.208	10.281	0.000	0.1
310	0.8	0.212	10.480	0.000	0.1
315	0.8	0.216	10.684	0.000	0.1
320	0.8	0.220	10.889	0.000	0.1
325	0.8	0.225	11.093	0.000	0.1
330	0.8	0.229	11.296	0.000	0.1
335	0.8	0.233	11.500	0.000	0.1
340	0.8	0.237	11.707	0.000	0.1
345	0.8	0.241	11.916	0.000	0.2
350	0.9	0.245	12.127	0.000	0.2
355	0.9	0.250	12.340	0.000	0.2
360	0.9	0.254	12.553	0.000	0.2
365	0.9	0.258	12.769	0.000	0.2
370	0.9	0.263	12.992	0.000	0.2
375	0.9	0.267	13.214	0.000	0.2
380	0.9	0.272	13.438	0.000	0.2
385	0.9	0.277	13.667	0.000	0.2
390	0.9	0.281	13.897	0.000	0.2
395	1.0	0.286	14.130	0.000	0.2
400	1.0	0.291	14.366	0.000	0.2
405	1.0	0.296	14.602	0.000	0.2
410	1.0	0.300	14.844	0.000	0.2
415	1.0	0.305	15.092	0.000	0.2
420	1.0	0.311	15.341	0.000	0.2
425	1.1	0.316	15.596	0.000	0.2
430	1.1	0.321	15.858	0.000	0.2
435	1.1	0.326	16.124	0.000	0.2
440	1.1	0.332	16.397	0.000	0.2
445	1.1	0.338	16.678	0.000	0.2
450	1.2	0.343	16.961	0.000	0.2
455	1.2	0.349	17.253	0.000	0.2
460	1.2	0.355	17.546	0.000	0.2
465	1.3	0.361	17.848	0.000	0.2
470	1.3	0.368	18.168	0.000	0.2
475	1.3	0.374	18.487	0.000	0.2
480	1.4	0.381	18.814	0.000	0.2
485	1.4	0.388	19.162	0.000	0.2
490	1.4	0.395	19.511	0.000	0.2
495	1.5	0.402	19.870	0.000	0.3
500	1.5	0.410	20.253	0.000	0.3
505	1.5	0.418	20.638	0.000	0.3
510	1.6	0.426	21.021	0.000	0.3
515	1.7	0.434	21.436	0.000	0.3
520	1.7	0.443	21.856	0.000	0.3
525	1.8	0.452	22.297	0.000	0.3
530	1.8	0.461	22.761	0.000	0.3
535	1.9	0.470	23.232	0.000	0.3
540	2.0	0.481	23.730	0.000	0.3
545	2.1	0.491	24.253	0.000	0.3
550	2.1	0.502	24.786	0.000	0.3
555	2.3	0.513	25.351	0.000	0.3
560	2.3	0.525	25.938	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)
565	2.4	0.537	26.539	0.000	0.3
570	2.5	0.550	27.181	0.000	0.3
575	2.5	0.564	27.839	0.000	0.4
580	2.7	0.578	28.516	0.000	0.4
585	2.8	0.592	29.244	0.000	0.4
590	2.8	0.607	29.985	0.000	0.4
595	3.1	0.623	30.749	0.000	0.4
600	3.1	0.639	31.567	0.000	0.4
605	3.2	0.656	32.388	0.000	0.4
610	3.4	0.673	33.238	0.000	0.4
615	3.5	0.692	34.149	0.000	0.4
620	3.5	0.710	35.064	0.000	0.4
625	3.8	0.729	36.014	0.000	0.5
630	3.8	0.750	37.019	0.000	0.5
635	3.9	0.770	38.032	0.000	0.5
640	4.1	0.792	39.083	0.000	0.5
645	4.2	0.814	40.182	0.000	0.5
650	4.3	0.836	41.295	0.000	0.5
655	4.5	0.860	42.461	0.000	0.5
660	4.6	0.884	43.674	0.000	0.6
665	4.8	0.909	44.905	0.000	0.6
670	5.0	0.936	46.198	0.000	0.6
675	5.0	0.963	47.531	0.000	0.6
680	5.3	0.990	48.888	0.000	0.6
685	5.5	1.019	50.310	0.000	0.6
690	5.5	1.048	51.763	0.000	0.7
695	5.8	1.078	53.249	0.000	0.7
700	6.0	1.110	54.817	0.000	0.7
705	6.0	1.142	56.405	0.000	0.7
710	6.4	1.175	58.038	0.000	0.7
715	6.6	1.210	59.768	0.000	0.8
720	6.6	1.246	61.508	0.000	0.8
725	6.5	1.280	63.213	0.000	0.8
730	6.3	1.314	64.869	0.000	0.8
735	6.3	1.347	66.505	0.000	0.9
740	5.9	1.378	68.074	0.000	0.9
745	5.8	1.408	69.558	0.000	0.9
750	5.8	1.438	71.030	0.000	0.9
755	5.4	1.467	72.441	0.000	0.9
760	5.4	1.494	73.776	0.000	0.9
765	5.3	1.520	75.091	0.000	1.0
770	4.8	1.545	76.304	0.000	1.0
775	4.6	1.567	77.421	0.000	1.0
780	4.5	1.589	78.477	0.000	1.0
785	4.2	1.609	79.457	0.000	1.0
790	4.1	1.628	80.393	0.000	1.0
795	4.0	1.646	81.307	0.000	1.0
800	3.8	1.664	82.169	0.000	1.1
805	3.8	1.680	83.002	0.000	1.1
810	3.7	1.697	83.815	0.000	1.1
815	3.6	1.712	84.581	0.000	1.1
820	3.4	1.727	85.320	0.000	1.1
825	3.2	1.741	86.003	0.000	1.1
830	3.2	1.754	86.624	0.000	1.1
835	3.2	1.766	87.239	0.000	1.1
840	2.9	1.778	87.823	0.000	1.1
845	2.9	1.789	88.353	0.000	1.1
850	2.9	1.799	88.877	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)
855	2.7	1.809	89.374	0.000	1.1
860	2.6	1.818	89.825	0.000	1.2
865	2.5	1.827	90.260	0.000	1.2
870	2.4	1.835	90.646	0.000	1.2
875	2.3	1.842	91.001	0.000	1.2
880	2.3	1.849	91.349	0.000	1.2
885	2.1	1.856	91.665	0.000	1.2
890	2.1	1.861	91.952	0.000	1.2
895	2.0	1.867	92.227	0.000	1.2
900	1.9	1.872	92.472	0.000	1.2
905	1.9	1.876	92.698	0.000	1.2
910	1.8	1.881	92.910	0.000	1.2
915	1.8	1.884	93.091	0.000	1.2
920	1.7	1.888	93.258	0.000	1.2
925	1.7	1.891	93.414	0.000	1.2
930	1.6	1.893	93.545	0.000	1.2
935	1.6	1.896	93.664	0.000	1.2
940	1.5	1.898	93.772	0.000	1.2
945	1.5	1.900	93.861	0.000	1.2
950	1.5	1.902	93.948	0.000	1.2
955	1.4	1.903	94.022	0.000	1.2
960	1.4	1.904	94.076	0.000	1.2
965	1.4	1.905	94.129	0.000	1.2
970	1.3	1.906	94.171	0.000	1.2
975	1.3	1.907	94.196	0.000	1.2
980	1.3	1.907	94.220	0.000	1.2
985	1.2	1.907	94.235	0.000	1.2
990	1.2	1.907	94.236	0.000	1.2
995	1.2	1.907	94.235	0.000	1.2
1000	1.2	1.907	94.227	0.000	1.2
1005	1.2	1.907	94.212	0.000	1.2
1010	1.1	1.907	94.194	0.000	1.2
1015	1.1	1.906	94.166	0.000	1.2
1020	1.1	1.905	94.133	0.000	1.2
1025	1.1	1.905	94.097	0.000	1.2
1030	1.0	1.904	94.053	0.000	1.2
1035	1.0	1.903	94.005	0.000	1.2
1040	1.0	1.902	93.955	0.000	1.2
1045	1.0	1.901	93.899	0.000	1.2
1050	1.0	1.899	93.839	0.000	1.2
1055	1.0	1.898	93.777	0.000	1.2
1060	1.0	1.897	93.711	0.000	1.2
1065	1.0	1.895	93.644	0.000	1.2
1070	1.0	1.894	93.575	0.000	1.2
1075	1.0	1.892	93.501	0.000	1.2
1080	1.0	1.891	93.427	0.000	1.2
1085	0.9	1.889	93.349	0.000	1.2
1090	0.9	1.888	93.266	0.000	1.2
1095	0.9	1.886	93.182	0.000	1.2
1100	0.9	1.884	93.098	0.000	1.2
1105	0.9	1.883	93.010	0.000	1.2
1110	0.9	1.881	92.922	0.000	1.2
1115	0.9	1.879	92.830	0.000	1.2
1120	0.9	1.877	92.735	0.000	1.2
1125	0.9	1.875	92.641	0.000	1.2
1130	0.9	1.873	92.547	0.000	1.2
1135	0.9	1.871	92.453	0.000	1.2
1140	0.9	1.869	92.357	0.000	1.2

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)
1145	0.8	1.867	92.255	0.000	1.2
1150	0.8	1.865	92.149	0.000	1.2
1155	0.8	1.863	92.043	0.000	1.2
1160	0.8	1.861	91.936	0.000	1.2
1165	0.8	1.859	91.829	0.000	1.2
1170	0.8	1.856	91.719	0.000	1.2
1175	0.8	1.854	91.608	0.000	1.2
1180	0.7	1.852	91.492	0.000	1.2
1185	0.9	1.849	91.375	0.000	1.2
1190	0.7	1.847	91.257	0.000	1.2
1195	0.9	1.845	91.137	0.000	1.2
1200	0.9	1.842	91.019	0.000	1.2
1205	0.8	1.840	90.897	0.000	1.2
1210	0.8	1.837	90.780	0.000	1.2
1215	0.7	1.835	90.658	0.000	1.2
1220	0.8	1.832	90.532	0.000	1.2
1225	0.5	1.830	90.409	0.000	1.2
1230	0.8	1.827	90.279	0.000	1.2
1235	0.7	1.825	90.151	0.000	1.2
1240	0.7	1.822	90.023	0.000	1.2
1245	0.7	1.819	89.895	0.000	1.2
1250	0.7	1.817	89.766	0.000	1.1
1255	0.7	1.814	89.641	0.000	1.1
1260	0.7	1.812	89.511	0.000	1.1
1265	0.7	1.809	89.378	0.000	1.1
1270	0.7	1.806	89.244	0.000	1.1
1275	0.7	1.804	89.110	0.000	1.1
1280	0.7	1.801	88.977	0.000	1.1
1285	0.7	1.798	88.844	0.000	1.1
1290	0.7	1.796	88.712	0.000	1.1
1295	0.7	1.793	88.580	0.000	1.1
1300	0.7	1.790	88.449	0.000	1.1
1305	0.7	1.788	88.319	0.000	1.1
1310	0.7	1.785	88.189	0.000	1.1
1315	0.7	1.782	88.058	0.000	1.1
1320	0.4	1.779	87.916	0.000	1.1
1325	0.5	1.777	87.777	0.000	1.1
1330	0.5	1.774	87.643	0.000	1.1
1335	0.8	1.771	87.503	0.000	1.1
1340	0.5	1.768	87.369	0.000	1.1
1345	0.6	1.766	87.231	0.000	1.1
1350	0.7	1.763	87.089	0.000	1.1
1355	0.7	1.760	86.948	0.000	1.1
1360	0.6	1.757	86.807	0.000	1.1
1365	0.7	1.754	86.666	0.000	1.1
1370	0.7	1.751	86.525	0.000	1.1
1375	0.6	1.748	86.384	0.000	1.1
1380	0.6	1.746	86.244	0.000	1.1
1385	0.7	1.743	86.100	0.000	1.1
1390	0.7	1.740	85.961	0.000	1.1
1395	0.6	1.737	85.824	0.000	1.1
1400	0.6	1.734	85.687	0.000	1.1
1405	0.6	1.732	85.549	0.000	1.1
1410	0.6	1.729	85.409	0.000	1.1
1415	0.6	1.726	85.269	0.000	1.1
1420	0.6	1.723	85.129	0.000	1.1
1425	0.6	1.720	84.989	0.000	1.1
1430	0.6	1.717	84.849	0.000	1.1

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Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1435	0.6	1.714	84.708	0.000	1.1
1440	0.6	1.712	84.567	0.000	1.1
1445	0.3	1.708	84.393	0.000	1.1
1450	0.2	1.702	84.112	0.000	1.1
1455	0.1	1.697	83.830	0.000	1.1
1460	0.1	1.691	83.548	0.000	1.1
1465	0.1	1.685	83.256	0.000	1.1
1470	0.1	1.679	82.979	0.000	1.1
1475	0.1	1.674	82.696	0.000	1.1
1480	0.2	1.668	82.402	0.000	1.1
1485	0.1	1.662	82.130	0.000	1.1
1490	0.1	1.657	81.847	0.000	1.0
1495	0.1	1.651	81.577	0.000	1.0
1500	0.1	1.645	81.295	0.000	1.0
1505	0.1	1.640	81.017	0.000	1.0
1510	0.1	1.634	80.741	0.000	1.0
1515	0.1	1.629	80.483	0.000	1.0
1520	0.1	1.623	80.213	0.000	1.0
1525	0.1	1.618	79.936	0.000	1.0
1530	0.1	1.612	79.665	0.000	1.0
1535	0.2	1.607	79.397	0.000	1.0
1540	0.1	1.602	79.136	0.000	1.0
1545	0.2	1.596	78.875	0.000	1.0
1550	0.1	1.591	78.607	0.000	1.0
1555	0.2	1.585	78.343	0.000	1.0
1560	0.2	1.580	78.080	0.000	1.0
1565	0.1	1.575	77.815	0.000	1.0
1570	0.1	1.569	77.542	0.000	1.0
1575	0.2	1.564	77.293	0.000	1.0
1580	0.1	1.559	77.022	0.000	1.0
1585	0.1	1.553	76.761	0.000	1.0
1590	0.1	1.548	76.489	0.000	1.0
1595	0.1	1.542	76.216	0.000	1.0
1600	0.2	1.537	75.936	0.000	1.0
1605	0.0	1.532	75.675	0.000	1.0
1610	0.1	1.526	75.409	0.000	1.0
1615	0.1	1.521	75.131	0.000	1.0
1620	0.0	1.515	74.868	0.000	1.0
1625	0.0	1.510	74.599	0.000	1.0
1630	0.0	1.504	74.330	0.000	1.0
1635	0.0	1.499	74.055	0.000	0.9
1640	0.0	1.493	73.780	0.000	0.9
1645	0.0	1.488	73.506	0.000	0.9
1650	0.0	1.482	73.232	0.000	0.9
1655	0.0	1.476	72.960	0.000	0.9
1660	0.0	1.471	72.689	0.000	0.9
1665	0.0	1.466	72.419	0.000	0.9
1670	0.0	1.460	72.150	0.000	0.9
1675	0.0	1.455	71.882	0.000	0.9
1680	0.0	1.449	71.615	0.000	0.9
1685	0.0	1.444	71.350	0.000	0.9
1690	0.0	1.439	71.085	0.000	0.9
1695	0.0	1.433	70.821	0.000	0.9
1700	0.0	1.428	70.559	0.000	0.9
1705	0.0	1.423	70.298	0.000	0.9
1710	0.0	1.417	70.037	0.000	0.9
1715	0.0	1.412	69.778	0.000	0.9
1720	0.0	1.407	69.520	0.000	0.9

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Time (mins)	Total Inflow (L/s)	Depth(m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
1725	0.0	1.402	69.262	0.000	0.9
1730	0.0	1.396	69.006	0.000	0.9
1735	0.0	1.391	68.752	0.000	0.9
1740	0.0	1.386	68.499	0.000	0.9
1745	0.0	1.381	68.247	0.000	0.9
1750	0.1	1.376	67.997	0.000	0.9
1755	0.0	1.371	67.748	0.000	0.9
1760	0.0	1.366	67.500	0.000	0.9
1765	0.0	1.361	67.253	0.000	0.9
1770	0.0	1.356	67.007	0.000	0.9
1775	0.0	1.351	66.762	0.000	0.9
1780	0.1	1.346	66.518	0.000	0.9
1785	0.0	1.341	66.275	0.000	0.8
1790	0.0	1.336	66.033	0.000	0.8
1795	0.0	1.331	65.792	0.000	0.8
1800	0.0	1.327	65.552	0.000	0.8
1805	0.0	1.322	65.312	0.000	0.8
1810	0.0	1.317	65.073	0.000	0.8
1815	0.0	1.312	64.835	0.000	0.8
1820	0.0	1.307	64.598	0.000	0.8
1825	0.0	1.302	64.361	0.000	0.8
1830	0.0	1.298	64.125	0.000	0.8
1835	0.0	1.293	63.890	0.000	0.8
1840	0.0	1.288	63.655	0.000	0.8
1845	0.0	1.283	63.422	0.000	0.8
1850	0.0	1.279	63.188	0.000	0.8
1855	0.0	1.274	62.949	0.000	0.8
1860	0.0	1.269	62.723	0.000	0.8
1865	0.0	1.265	62.490	0.000	0.8
1870	0.0	1.260	62.258	0.000	0.8
1875	0.0	1.255	62.026	0.000	0.8
1880	0.0	1.251	61.794	0.000	0.8
1885	0.0	1.246	61.557	0.000	0.8
1890	0.0	1.241	61.321	0.000	0.8
1895	0.0	1.236	61.086	0.000	0.8
1900	0.0	1.231	60.852	0.000	0.8
1905	0.0	1.227	60.619	0.000	0.8
1910	0.0	1.222	60.387	0.000	0.8
1915	0.0	1.217	60.155	0.000	0.8
1920	0.0	1.213	59.924	0.000	0.8
1925	0.0	1.208	59.695	0.000	0.8
1930	0.0	1.203	59.466	0.000	0.8
1935	0.0	1.199	59.238	0.000	0.8
1940	0.0	1.194	59.011	0.000	0.8
1945	0.0	1.190	58.784	0.000	0.8
1950	0.0	1.185	58.559	0.000	0.7
1955	0.0	1.180	58.334	0.000	0.7
1960	0.0	1.176	58.111	0.000	0.7
1965	0.0	1.171	57.888	0.000	0.7
1970	0.0	1.167	57.666	0.000	0.7
1975	0.0	1.162	57.445	0.000	0.7
1980	0.0	1.158	57.224	0.000	0.7
1985	0.0	1.154	57.005	0.000	0.7
1990	0.0	1.149	56.786	0.000	0.7
1995	0.0	1.145	56.568	0.000	0.7
2000	0.0	1.140	56.351	0.000	0.7
2005	0.0	1.136	56.135	0.000	0.7
2010	0.0	1.132	55.920	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	1.127	55.706	0.000	0.7
2020	0.0	1.123	55.492	0.000	0.7
2025	0.0	1.119	55.279	0.000	0.7
2030	0.0	1.114	55.067	0.000	0.7
2035	0.0	1.110	54.856	0.000	0.7
2040	0.0	1.106	54.646	0.000	0.7
2045	0.0	1.102	54.436	0.000	0.7
2050	0.0	1.097	54.227	0.000	0.7
2055	0.0	1.093	54.019	0.000	0.7
2060	0.0	1.089	53.812	0.000	0.7
2065	0.0	1.085	53.606	0.000	0.7
2070	0.0	1.081	53.400	0.000	0.7
2075	0.0	1.077	53.195	0.000	0.7
2080	0.0	1.072	52.991	0.000	0.7
2085	0.0	1.068	52.788	0.000	0.7
2090	0.0	1.064	52.586	0.000	0.7
2095	0.0	1.060	52.384	0.000	0.7
2100	0.0	1.056	52.183	0.000	0.7
2105	0.0	1.052	51.983	0.000	0.7
2110	0.0	1.048	51.784	0.000	0.7
2115	0.0	1.044	51.585	0.000	0.7
2120	0.0	1.040	51.387	0.000	0.7
2125	0.0	1.036	51.190	0.000	0.7
2130	0.0	1.032	50.994	0.000	0.7
2135	0.0	1.028	50.798	0.000	0.7
2140	0.0	1.024	50.603	0.000	0.6
2145	0.0	1.020	50.409	0.000	0.6
2150	0.0	1.016	50.216	0.000	0.6
2155	0.0	1.012	50.023	0.000	0.6
2160	0.0	1.008	49.832	0.000	0.6
2165	0.0	1.005	49.641	0.000	0.6
2170	0.0	1.001	49.450	0.000	0.6
2175	0.0	0.997	49.260	0.000	0.6
2180	0.0	0.993	49.072	0.000	0.6
2185	0.0	0.989	48.883	0.000	0.6
2190	0.0	0.985	48.696	0.000	0.6
2195	0.0	0.982	48.509	0.000	0.6
2200	0.0	0.978	48.323	0.000	0.6
2205	0.0	0.974	48.138	0.000	0.6
2210	0.0	0.970	47.953	0.000	0.6
2215	0.0	0.967	47.769	0.000	0.6
2220	0.0	0.963	47.586	0.000	0.6
2225	0.0	0.959	47.404	0.000	0.6
2230	0.0	0.956	47.222	0.000	0.6
2235	0.0	0.952	47.041	0.000	0.6
2240	0.0	0.948	46.860	0.000	0.6
2245	0.0	0.945	46.681	0.000	0.6
2250	0.0	0.941	46.502	0.000	0.6
2255	0.0	0.937	46.323	0.000	0.6
2260	0.0	0.934	46.146	0.000	0.6
2265	0.0	0.930	45.969	0.000	0.6
2270	0.0	0.927	45.792	0.000	0.6
2275	0.0	0.923	45.617	0.000	0.6
2280	0.0	0.920	45.442	0.000	0.6
2285	0.0	0.916	45.267	0.000	0.6
2290	0.0	0.913	45.094	0.000	0.6
2295	0.0	0.909	44.921	0.000	0.6
2300	0.0	0.906	44.749	0.000	0.6

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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)
2305	0.0	0.902	44.577	0.000	0.6
2310	0.0	0.899	44.406	0.000	0.6
2315	0.0	0.895	44.236	0.000	0.6
2320	0.0	0.892	44.066	0.000	0.6
2325	0.0	0.888	43.897	0.000	0.6
2330	0.0	0.885	43.729	0.000	0.6
2335	0.0	0.882	43.561	0.000	0.6
2340	0.0	0.878	43.394	0.000	0.6
2345	0.0	0.875	43.228	0.000	0.6
2350	0.0	0.871	43.062	0.000	0.6
2355	0.0	0.868	42.897	0.000	0.5
2360	0.0	0.865	42.732	0.000	0.5
2365	0.0	0.861	42.568	0.000	0.5
2370	0.0	0.858	42.405	0.000	0.5
2375	0.0	0.855	42.242	0.000	0.5
2380	0.0	0.852	42.080	0.000	0.5
2385	0.0	0.848	41.919	0.000	0.5
2390	0.0	0.845	41.758	0.000	0.5
2395	0.0	0.842	41.598	0.000	0.5
2400	0.0	0.839	41.439	0.000	0.5
2405	0.0	0.835	41.280	0.000	0.5
2410	0.0	0.832	41.121	0.000	0.5
2415	0.0	0.829	40.964	0.000	0.5
2420	0.0	0.826	40.807	0.000	0.5
2425	0.0	0.823	40.650	0.000	0.5
2430	0.0	0.819	40.494	0.000	0.5
2435	0.0	0.816	40.339	0.000	0.5
2440	0.0	0.813	40.184	0.000	0.5
2445	0.0	0.810	40.030	0.000	0.5
2450	0.0	0.807	39.877	0.000	0.5
2455	0.0	0.804	39.724	0.000	0.5
2460	0.0	0.801	39.571	0.000	0.5
2465	0.0	0.798	39.420	0.000	0.5
2470	0.0	0.795	39.268	0.000	0.5
2475	0.0	0.792	39.118	0.000	0.5
2480	0.0	0.789	38.968	0.000	0.5
2485	0.0	0.786	38.818	0.000	0.5
2490	0.0	0.783	38.669	0.000	0.5
2495	0.0	0.780	38.521	0.000	0.5
2500	0.0	0.777	38.373	0.000	0.5
2505	0.0	0.774	38.226	0.000	0.5
2510	0.0	0.771	38.080	0.000	0.5
2515	0.0	0.768	37.934	0.000	0.5
2520	0.0	0.765	37.788	0.000	0.5
2525	0.0	0.762	37.643	0.000	0.5
2530	0.0	0.759	37.499	0.000	0.5
2535	0.0	0.756	37.355	0.000	0.5
2540	0.0	0.753	37.212	0.000	0.5
2545	0.0	0.750	37.069	0.000	0.5
2550	0.0	0.747	36.927	0.000	0.5
2555	0.0	0.744	36.785	0.000	0.5
2560	0.0	0.742	36.644	0.000	0.5
2565	0.0	0.739	36.504	0.000	0.5
2570	0.0	0.736	36.364	0.000	0.5
2575	0.0	0.733	36.224	0.000	0.5
2580	0.0	0.730	36.085	0.000	0.5
2585	0.0	0.727	35.947	0.000	0.5
2590	0.0	0.725	35.809	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)
2595	0.0	0.722	35.672	0.000	0.5
2600	0.0	0.719	35.535	0.000	0.5
2605	0.0	0.716	35.399	0.000	0.5
2610	0.0	0.714	35.263	0.000	0.5
2615	0.0	0.711	35.128	0.000	0.4
2620	0.0	0.708	34.993	0.000	0.4
2625	0.0	0.705	34.859	0.000	0.4
2630	0.0	0.703	34.725	0.000	0.4
2635	0.0	0.700	34.592	0.000	0.4
2640	0.0	0.697	34.459	0.000	0.4
2645	0.0	0.695	34.327	0.000	0.4
2650	0.0	0.692	34.195	0.000	0.4
2655	0.0	0.689	34.064	0.000	0.4
2660	0.0	0.687	33.934	0.000	0.4
2665	0.0	0.684	33.804	0.000	0.4
2670	0.0	0.681	33.674	0.000	0.4
2675	0.0	0.679	33.545	0.000	0.4
2680	0.0	0.676	33.416	0.000	0.4
2685	0.0	0.674	33.288	0.000	0.4
2690	0.0	0.671	33.160	0.000	0.4
2695	0.0	0.668	33.033	0.000	0.4
2700	0.0	0.666	32.906	0.000	0.4
2705	0.0	0.663	32.780	0.000	0.4
2710	0.0	0.661	32.655	0.000	0.4
2715	0.0	0.658	32.529	0.000	0.4
2720	0.0	0.656	32.405	0.000	0.4
2725	0.0	0.653	32.280	0.000	0.4
2730	0.0	0.651	32.156	0.000	0.4
2735	0.0	0.648	32.033	0.000	0.4
2740	0.0	0.646	31.910	0.000	0.4
2745	0.0	0.643	31.788	0.000	0.4
2750	0.0	0.641	31.666	0.000	0.4
2755	0.0	0.638	31.545	0.000	0.4
2760	0.0	0.636	31.424	0.000	0.4
2765	0.0	0.633	31.303	0.000	0.4
2770	0.0	0.631	31.183	0.000	0.4
2775	0.0	0.629	31.063	0.000	0.4
2780	0.0	0.626	30.944	0.000	0.4
2785	0.0	0.624	30.826	0.000	0.4
2790	0.0	0.621	30.707	0.000	0.4
2795	0.0	0.619	30.590	0.000	0.4
2800	0.0	0.617	30.472	0.000	0.4
2805	0.0	0.614	30.355	0.000	0.4
2810	0.0	0.612	30.239	0.000	0.4
2815	0.0	0.610	30.123	0.000	0.4
2820	0.0	0.607	30.008	0.000	0.4
2825	0.0	0.605	29.892	0.000	0.4
2830	0.0	0.603	29.778	0.000	0.4
2835	0.0	0.600	29.664	0.000	0.4
2840	0.0	0.598	29.550	0.000	0.4
2845	0.0	0.596	29.437	0.000	0.4
2850	0.0	0.593	29.324	0.000	0.4
2855	0.0	0.591	29.211	0.000	0.4
2860	0.0	0.589	29.099	0.000	0.4
2865	0.0	0.587	28.988	0.000	0.4
2870	0.0	0.584	28.876	0.000	0.4
2875	0.0	0.582	28.766	0.000	0.4
2880	0.0	0.580	28.652	0.000	0.4

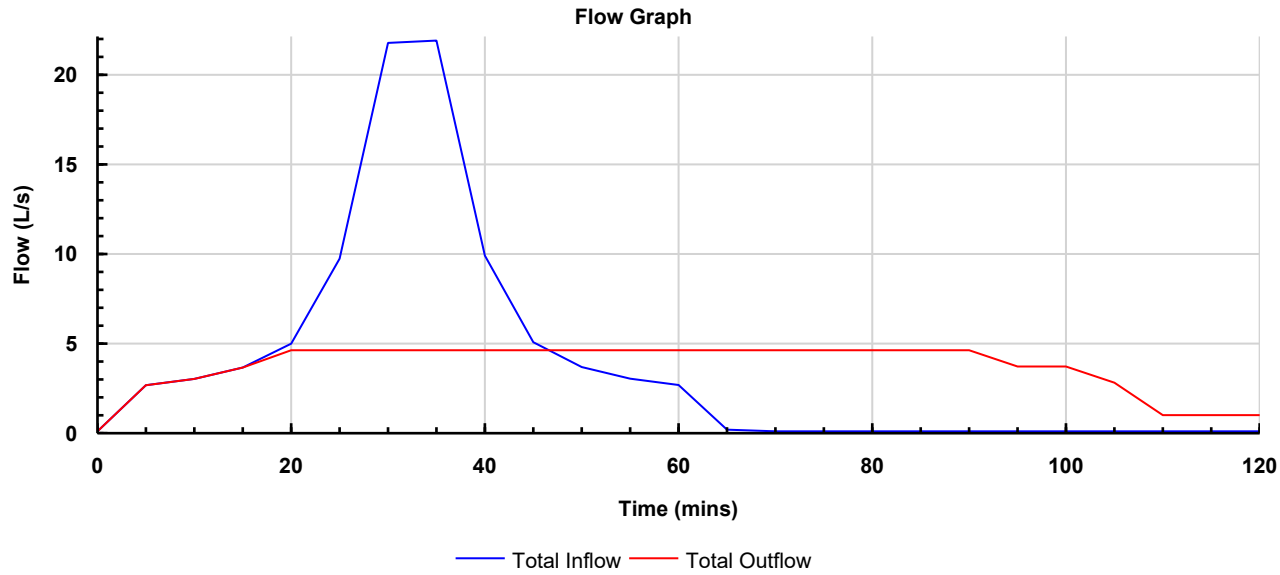
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

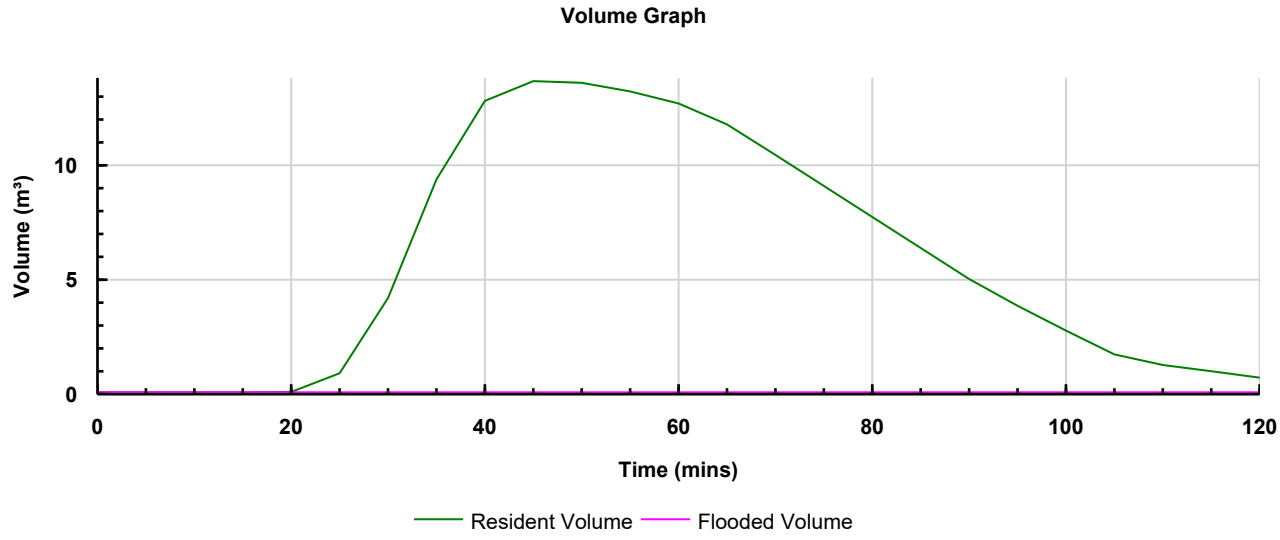
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

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

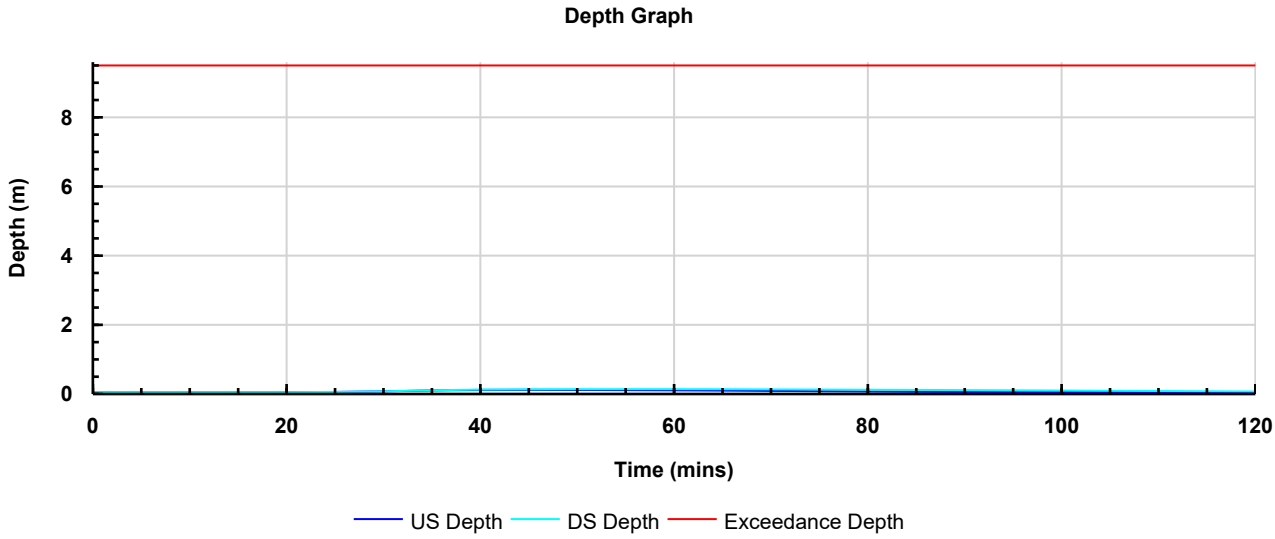
Type : Porous Paving

Graphs





Project - 2080: 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

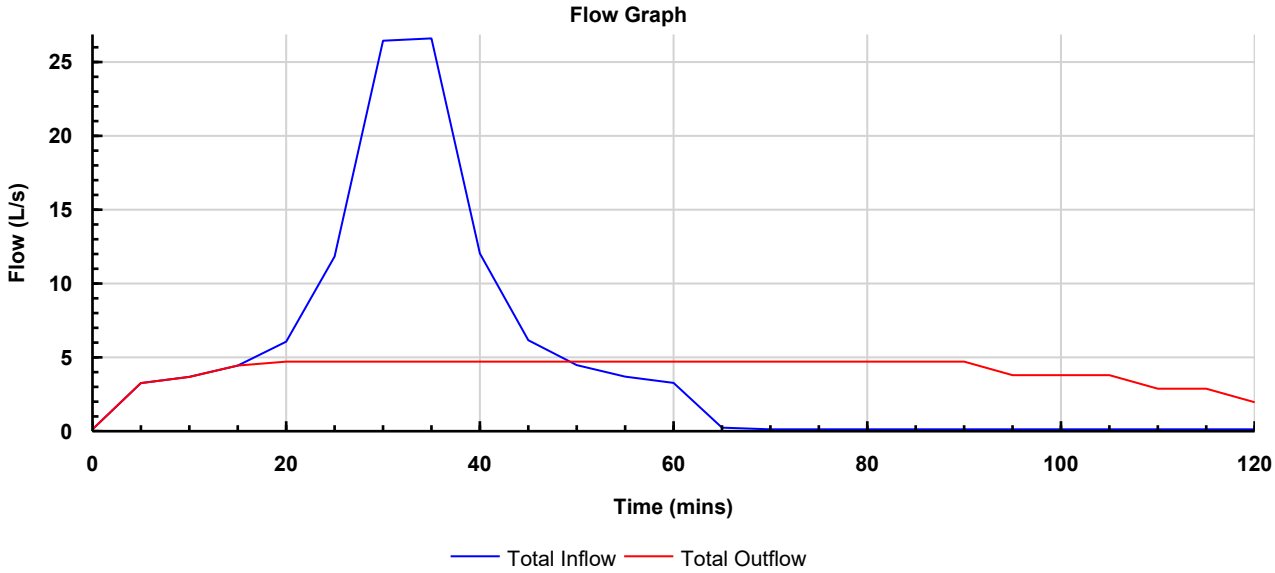
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	2.6	0.000	0.000	0.000	0.000	2.6
10	2.9	0.000	0.000	0.000	0.000	2.9
15	3.6	0.000	0.000	0.000	0.000	3.6
20	4.9	0.000	0.000	0.015	0.000	4.5
25	9.7	0.004	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	4.980	0.000	4.5
95	0.0	0.000	0.052	3.802	0.000	3.6
100	0.0	0.000	0.046	2.712	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	0.927	0.000	0.9
120	0.0	0.000	0.017	0.643	0.000	0.9

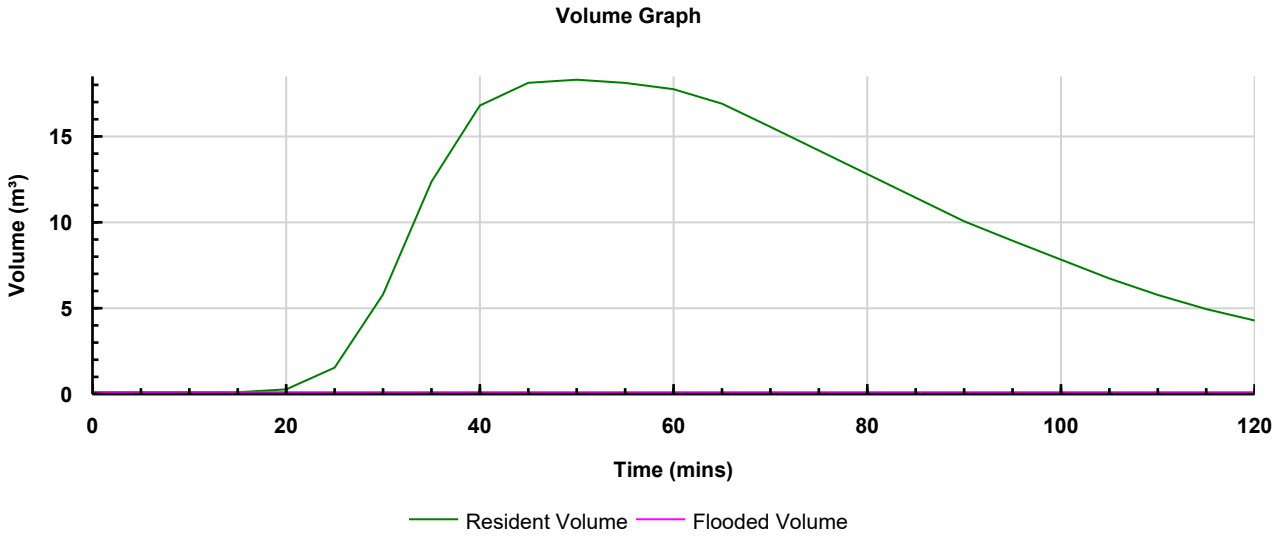
Project - 2080:	Date:		
Ramsbury Manor - Exhibition Centre	22/08/2025		
	Designed by:	Checked by:	Approved By:
	GB		
Report Details:	Company Address:		
Type: Stormwater Control Results Storm Phase: Phase	AFA Consulting Engineers Ltd		

Porous Paving (1)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 60 mins: Summer

Type : Porous Paving

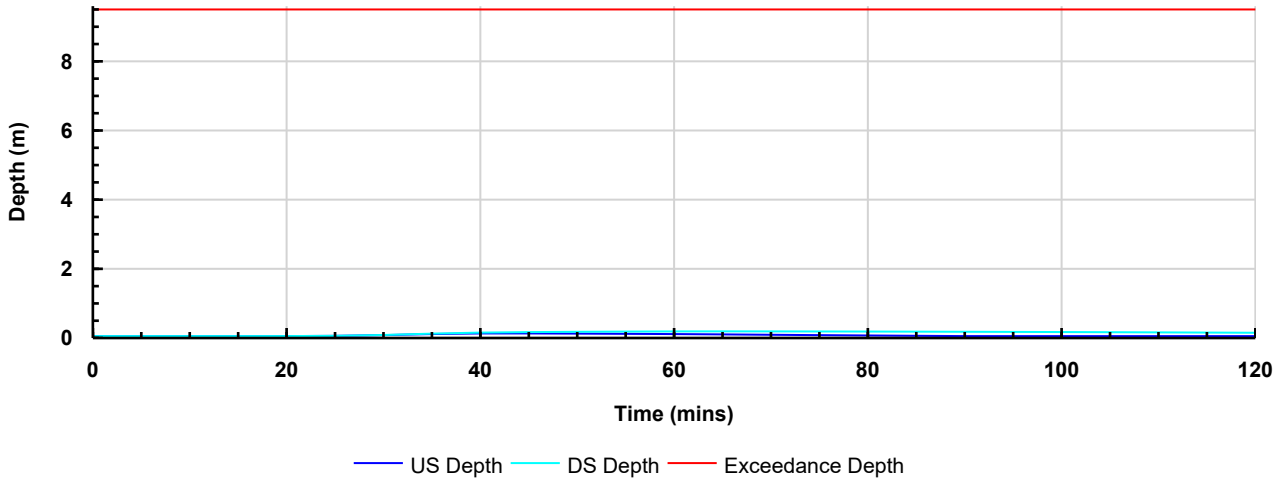
Graphs





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		

Depth Graph



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

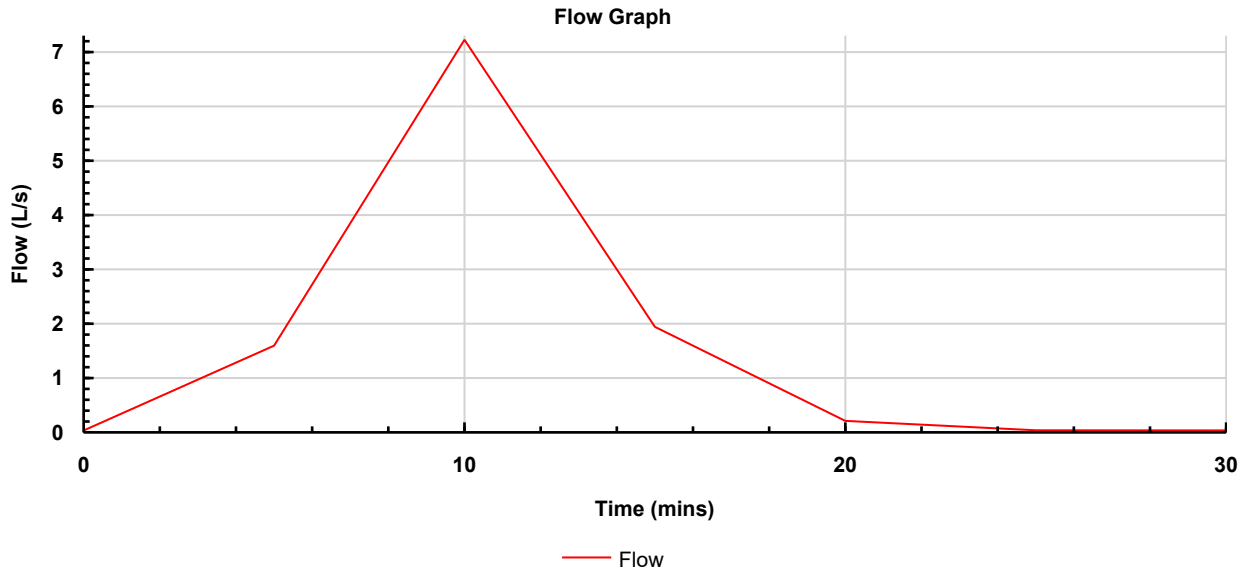
Time (mins)	Total Inflow (L/s)	US Depth (m)	DS Depth (m)	Resident Volume(m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	3.1	0.000	0.000	0.000	0.000	3.1
10	3.6	0.000	0.000	0.000	0.000	3.6
15	4.3	0.000	0.000	0.000	0.000	4.3
20	6.0	0.001	0.001	0.168	0.000	4.6
25	11.8	0.007	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	18.119	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	17.745	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	0.019	0.133	12.773	0.000	4.6
85	0.0	0.009	0.130	11.392	0.000	4.6
90	0.0	0.001	0.126	10.010	0.000	4.6
95	0.0	0.000	0.123	8.871	0.000	3.7
100	0.0	0.000	0.118	7.765	0.000	3.7
105	0.0	0.000	0.114	6.660	0.000	3.7
110	0.0	0.000	0.109	5.698	0.000	2.8
115	0.0	0.000	0.103	4.868	0.000	2.8
120	0.0	0.000	0.098	4.201	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

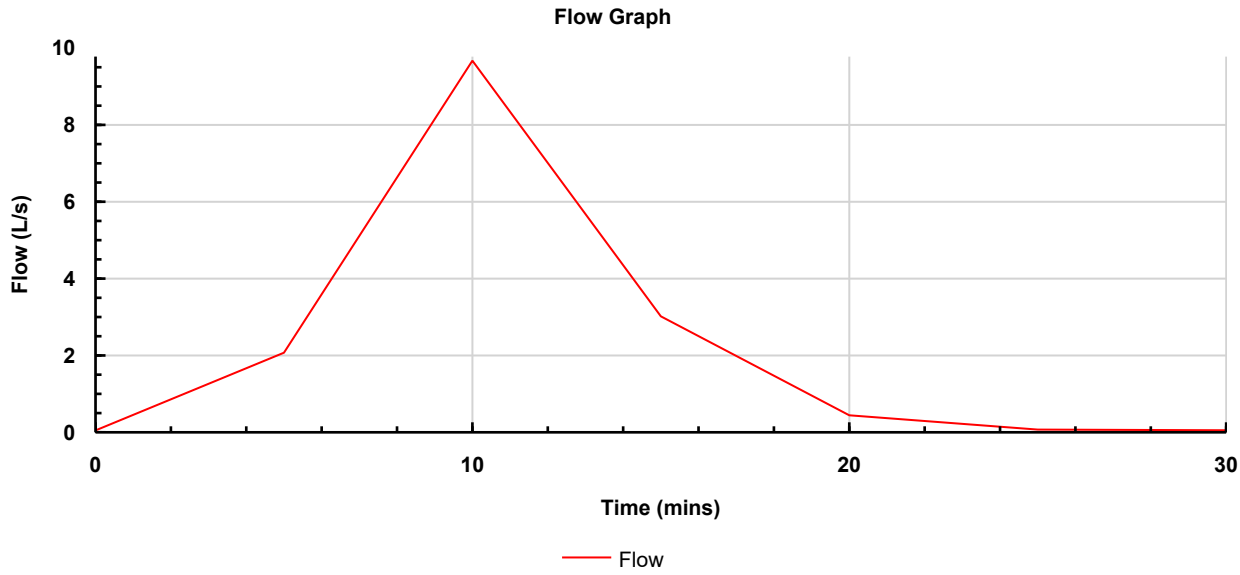
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.033	1.6
10	0.077	7.2
15	0.038	1.9
20	0.013	0.2
25	0.003	0.0
30	0.002	0.0

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

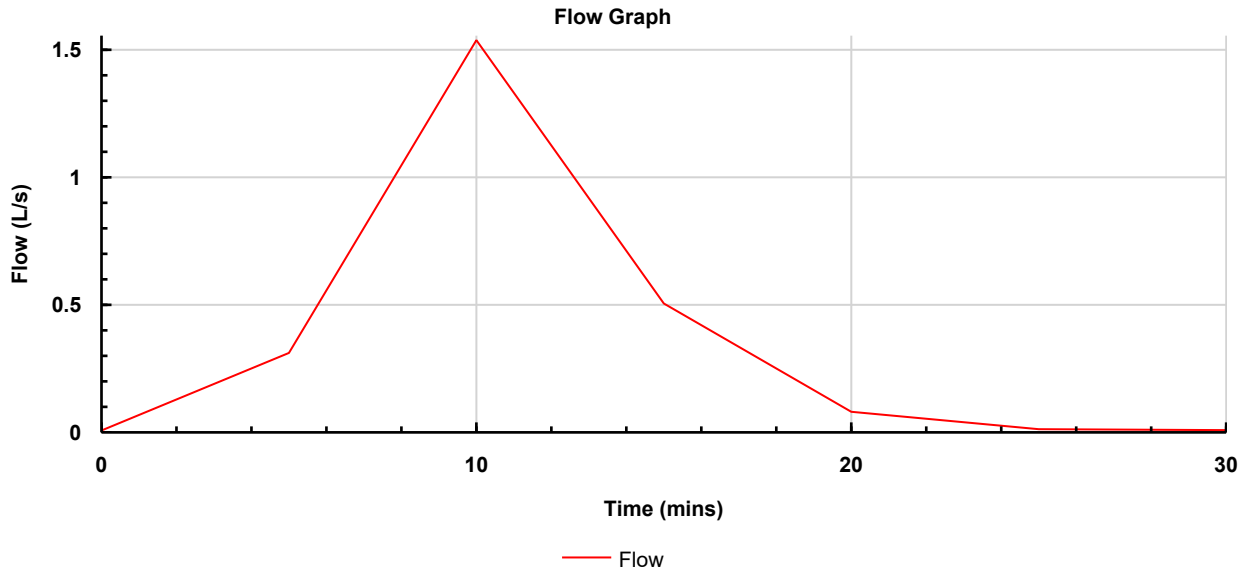
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.025	2.0
10	0.055	9.7
15	0.030	3.0
20	0.011	0.4
25	0.003	0.0
30	0.002	0.0

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

Type : Pipe

Graphs



Tables

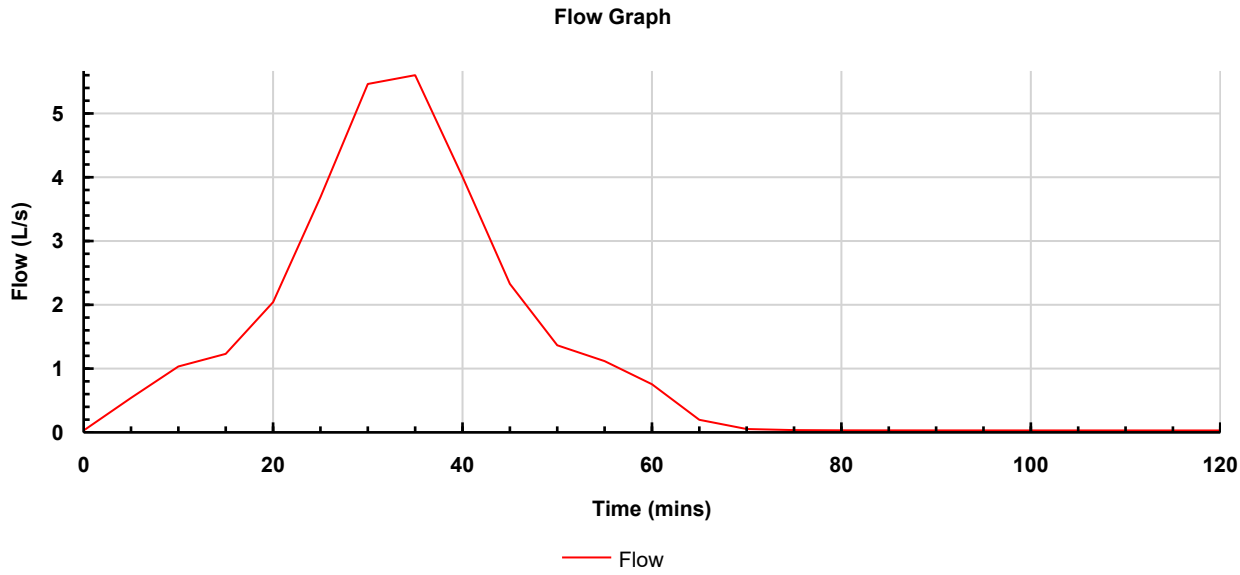
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.014	0.3
10	0.029	1.5
15	0.016	0.5
20	0.006	0.1
25	0.002	0.0
30	0.001	0.0

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: 30 years: Increase Rainfall (%): +40: 60 mins: Winter

Type : Pipe

Graphs



Tables

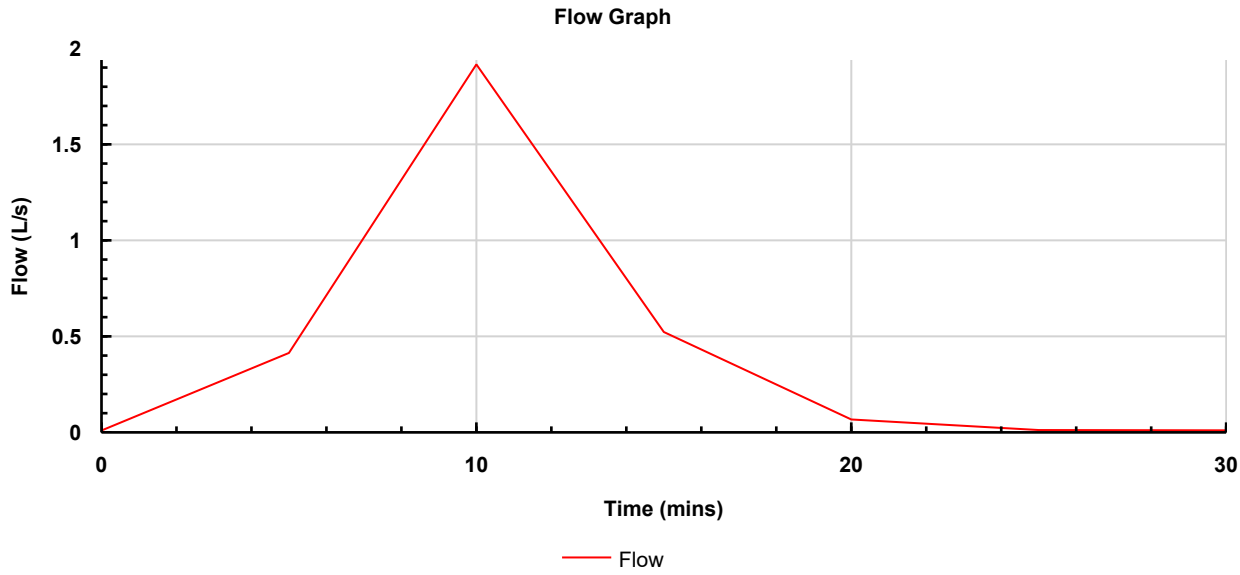
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.005	0.5
10	0.016	1.0
15	0.031	1.2
20	0.052	2.0
25	0.091	3.7
30	0.150	5.5
35	0.150	5.6
40	0.150	4.0
45	0.150	2.3
50	0.150	1.3
55	0.150	1.1
60	0.150	0.7
65	0.150	0.2
70	0.150	0.0
75	0.150	0.0
80	0.150	0.0
85	0.150	0.0
90	0.150	0.0
95	0.150	0.0
100	0.150	0.0
105	0.150	0.0
110	0.150	0.0
115	0.150	0.0
120	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) Type : Pipe

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

Graphs



Tables

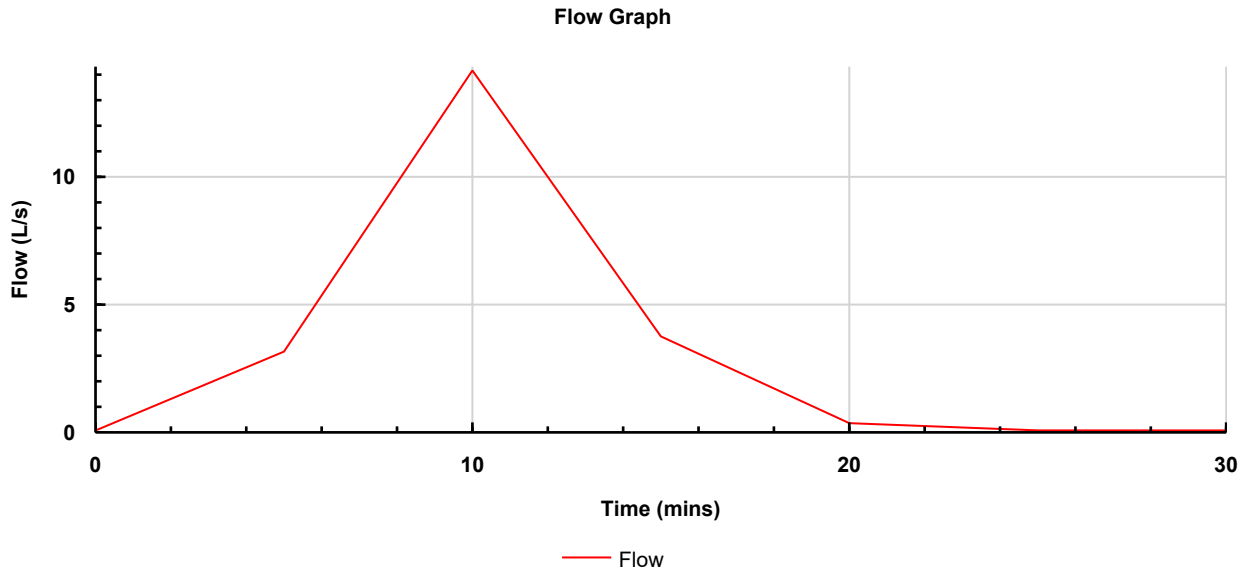
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.015	0.4
10	0.031	1.9
15	0.016	0.5
20	0.005	0.1
25	0.002	0.0
30	0.001	0.0

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: 30 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



Tables

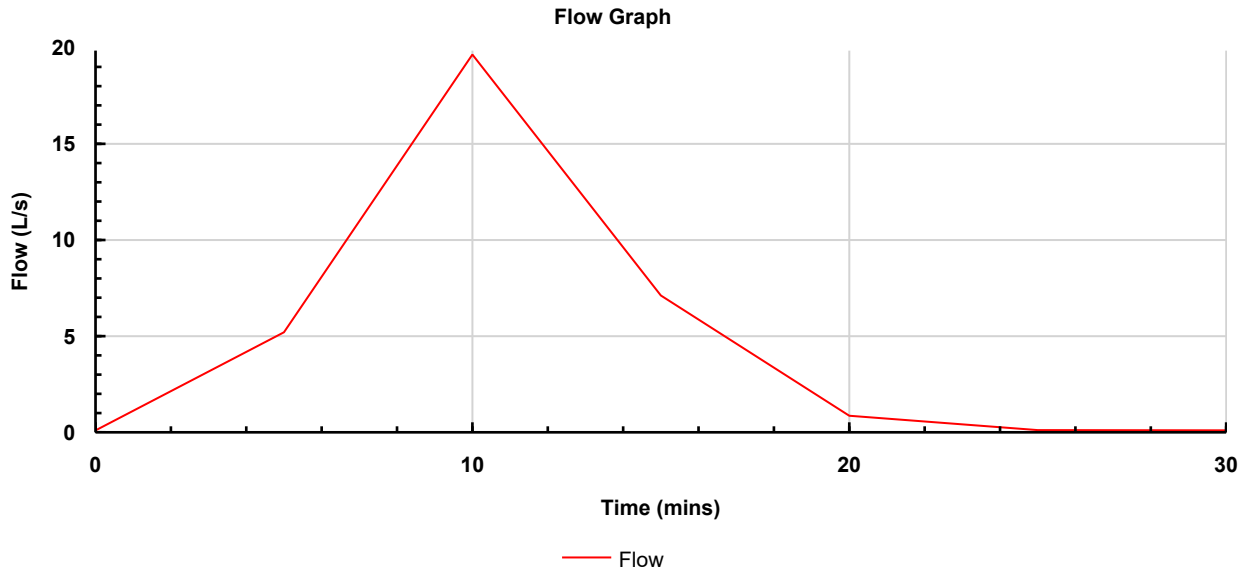
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.044	3.1
10	0.119	14.2
15	0.050	3.7
20	0.015	0.3
25	0.002	0.0
30	0.002	0.0

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



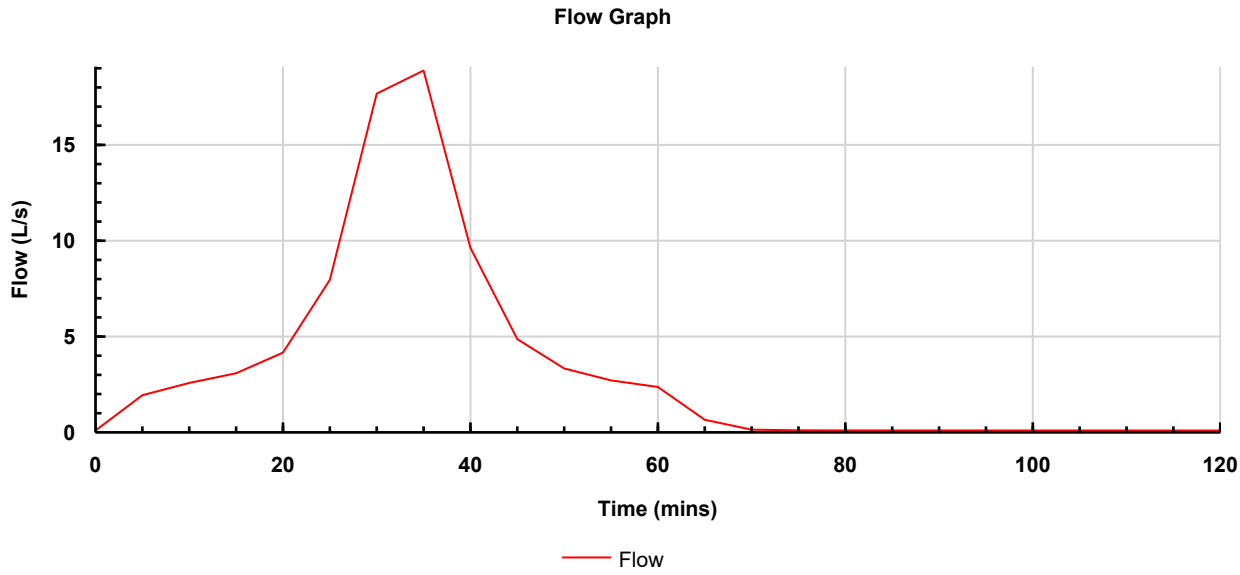
Tables

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	7.1
20	0.024	0.8
25	0.005	0.0
30	0.002	0.0

Pipe (8)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 60 mins: Summer

Type : Pipe

Graphs



Tables

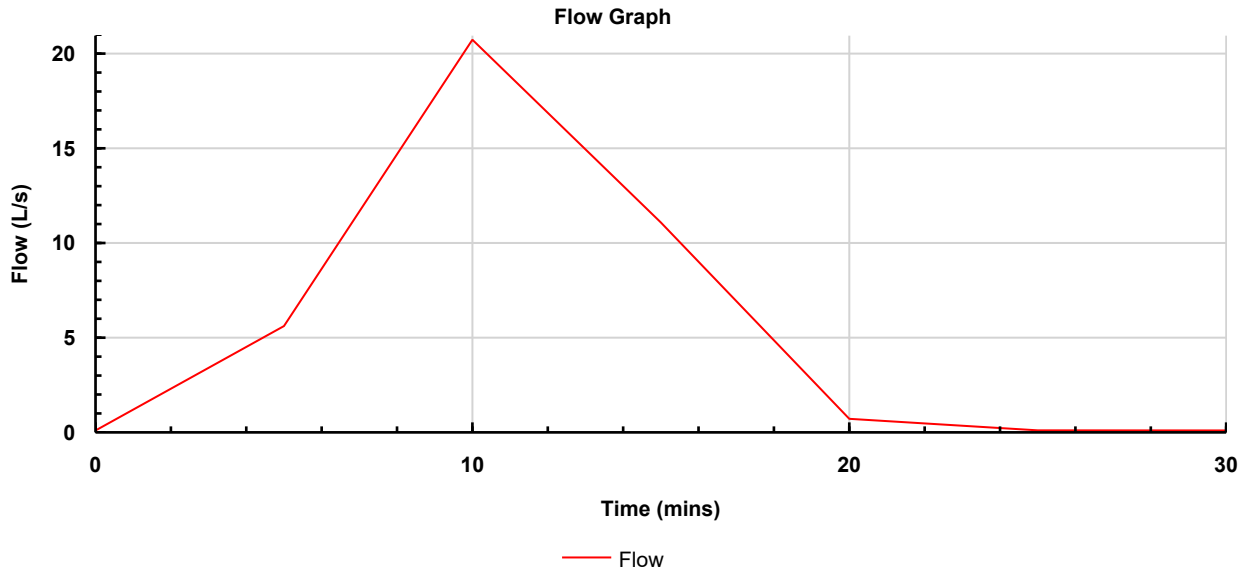
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.027	1.9
10	0.030	2.5
15	0.032	3.0
20	0.038	4.1
25	0.053	7.9
30	0.087	17.7
35	0.091	18.9
40	0.059	9.6
45	0.040	4.8
50	0.033	3.3
55	0.030	2.6
60	0.028	2.3
65	0.014	0.6
70	0.005	0.0
75	0.002	0.0
80	0.002	0.0
85	0.002	0.0
90	0.001	0.0
95	0.001	0.0
100	0.001	0.0
105	0.001	0.0
110	0.001	0.0
115	0.001	0.0
120	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 (10)
Critical Storm: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



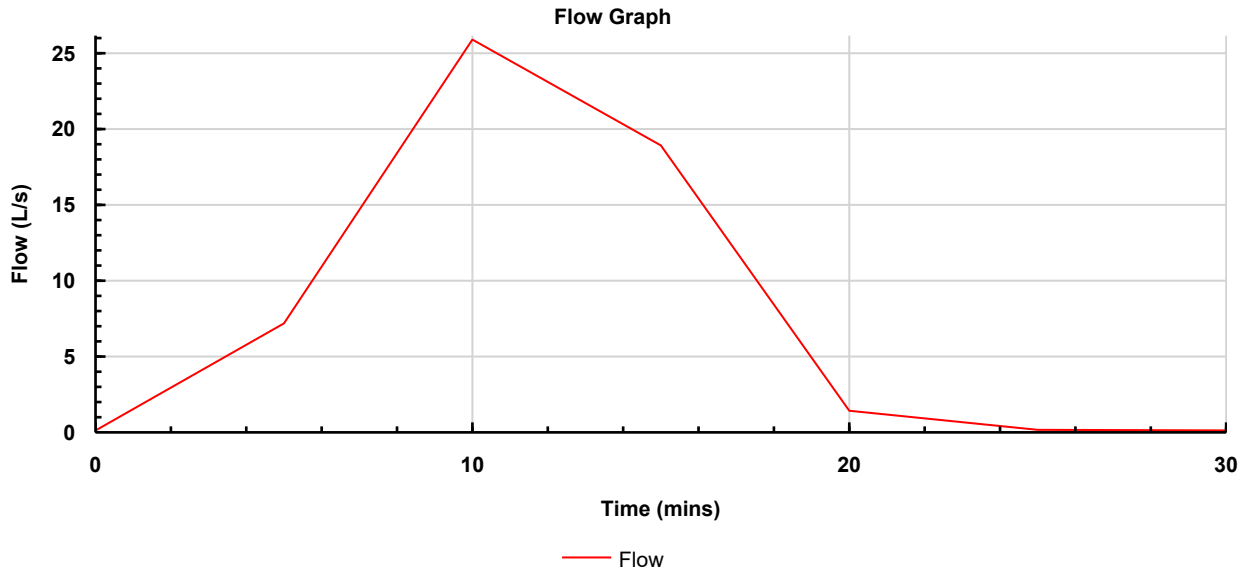
Tables

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

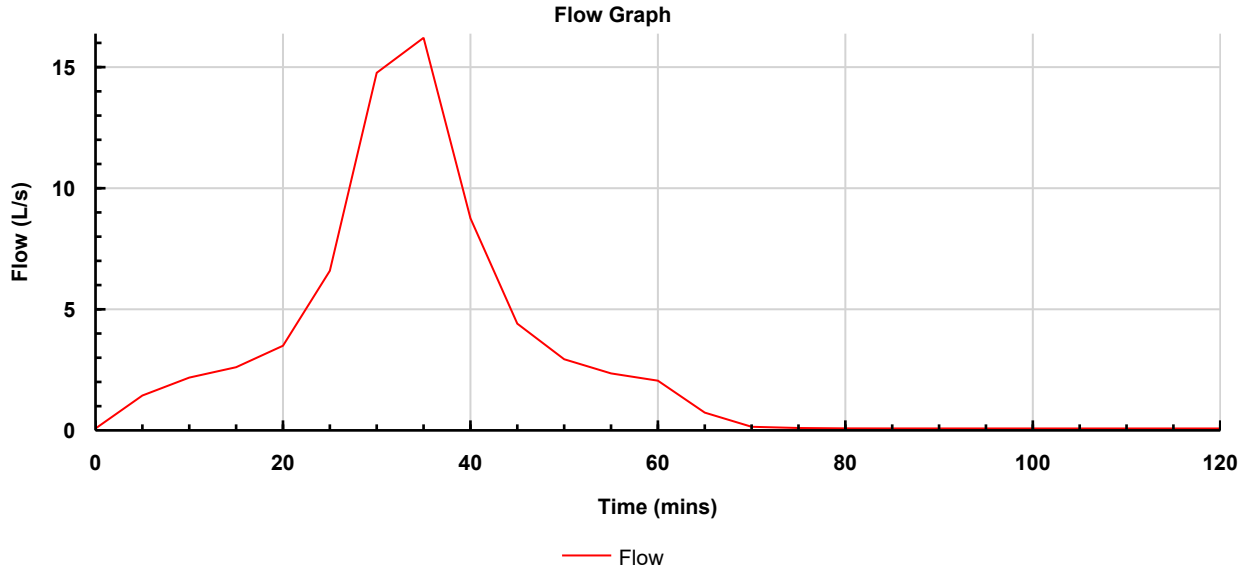
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.066	7.1
10	0.150	25.9
15	0.150	18.9
20	0.031	1.3
25	0.006	0.0
30	0.003	0.0

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 (12)
Critical Storm: FSR: 30 years: Increase Rainfall (%): +40: 60 mins: Summer

Type : Pipe

Graphs



Tables

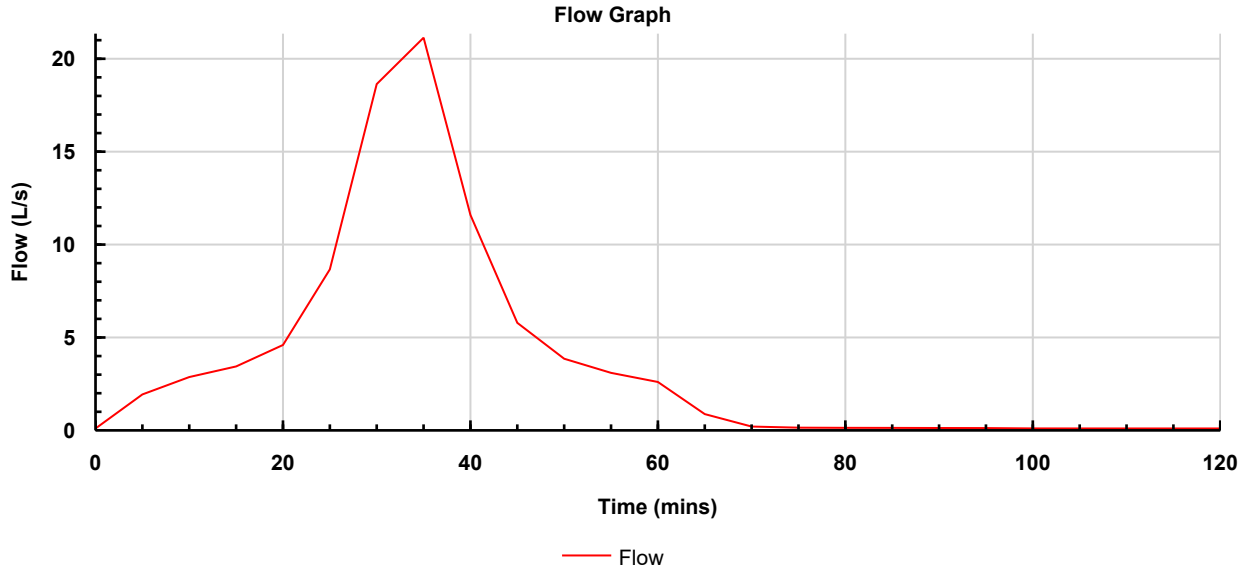
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.022	1.4
10	0.026	2.1
15	0.029	2.5
20	0.033	3.4
25	0.046	6.5
30	0.074	14.8
35	0.079	16.2
40	0.053	8.7
45	0.037	4.3
50	0.030	2.9
55	0.027	2.3
60	0.025	2.0
65	0.015	0.7
70	0.005	0.1
75	0.003	0.0
80	0.002	0.0
85	0.001	0.0
90	0.001	0.0
95	0.001	0.0
100	0.001	0.0
105	0.001	0.0
110	0.001	0.0
115	0.001	0.0
120	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: 60 mins: Summer

Type : Pipe

Graphs



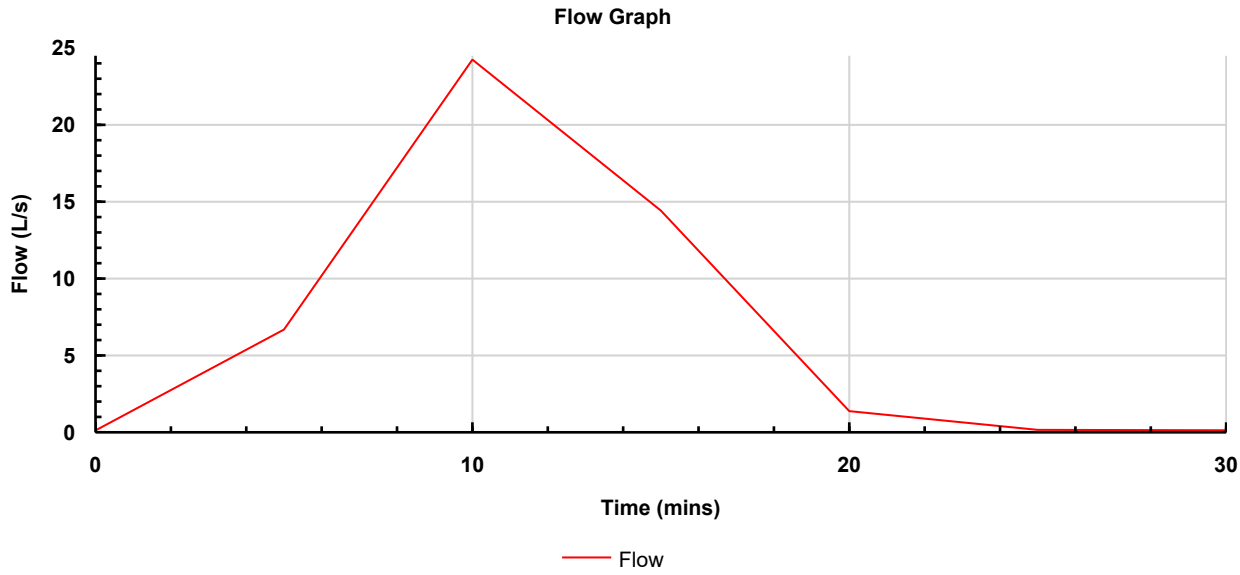
Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.012	1.8
10	0.032	2.8
15	0.055	3.4
20	0.084	4.5
25	0.136	8.6
30	0.150	18.6
35	0.150	21.1
40	0.150	11.5
45	0.150	5.7
50	0.150	3.8
55	0.150	3.0
60	0.150	2.5
65	0.150	0.8
70	0.150	0.1
75	0.150	0.0
80	0.150	0.0
85	0.150	0.0
90	0.150	0.0
95	0.150	0.0
100	0.150	0.0
105	0.150	0.0
110	0.150	0.0
115	0.150	0.0
120	0.150	0.0

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

Type : Pipe

Graphs



Tables

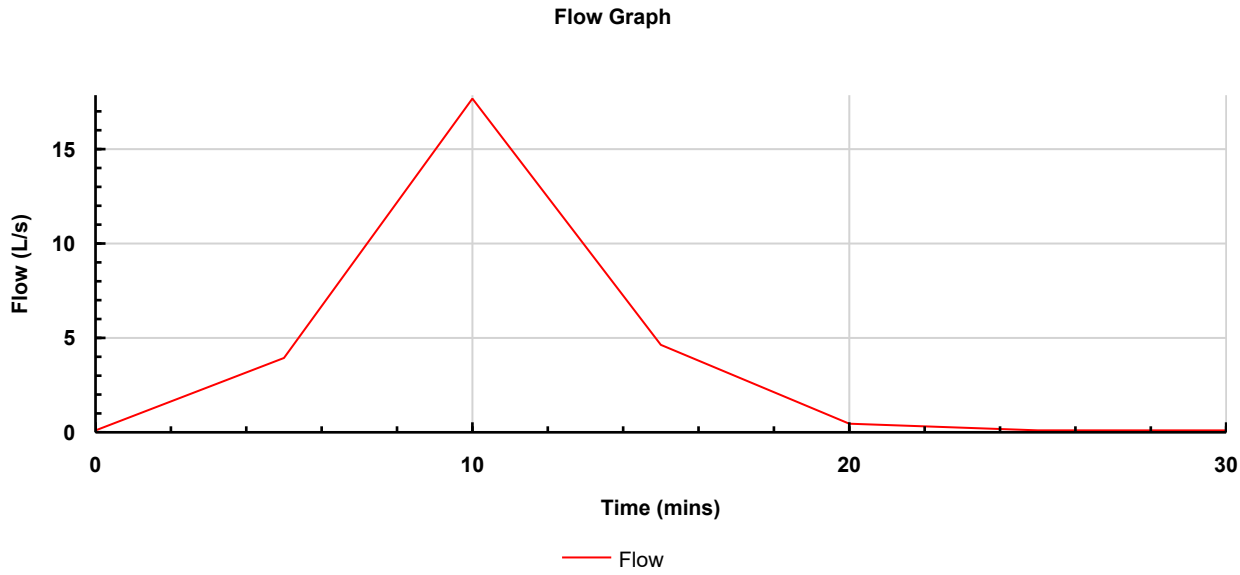
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.050	6.6
10	0.150	24.2
15	0.071	14.4
20	0.020	1.3
25	0.004	0.0
30	0.002	0.0

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



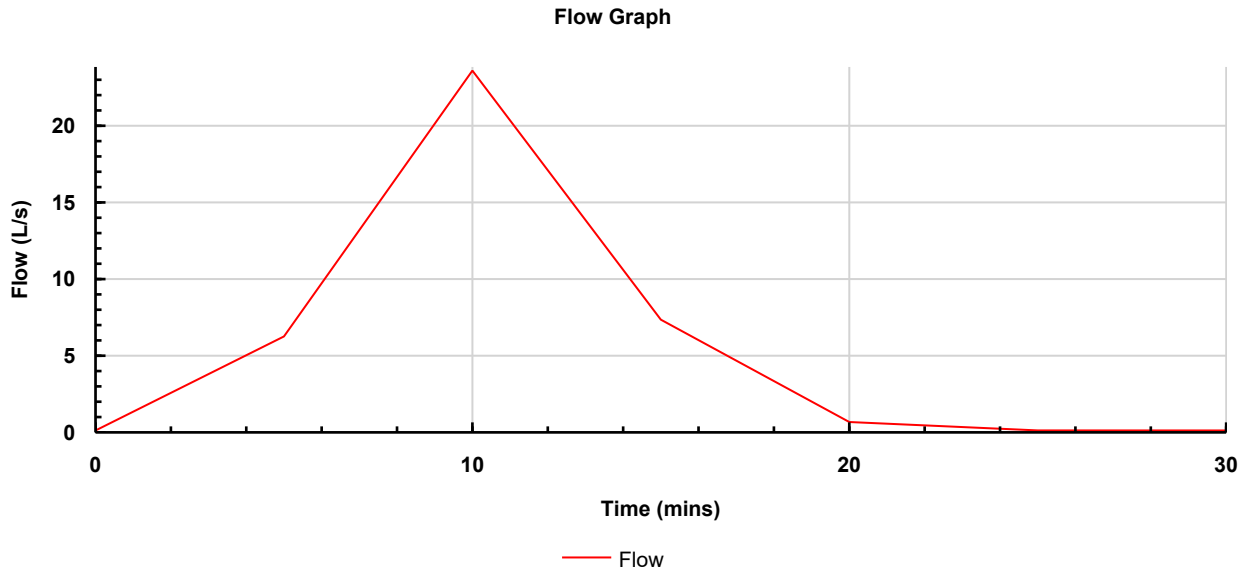
Tables

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

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

Type : Pipe

Graphs



Tables

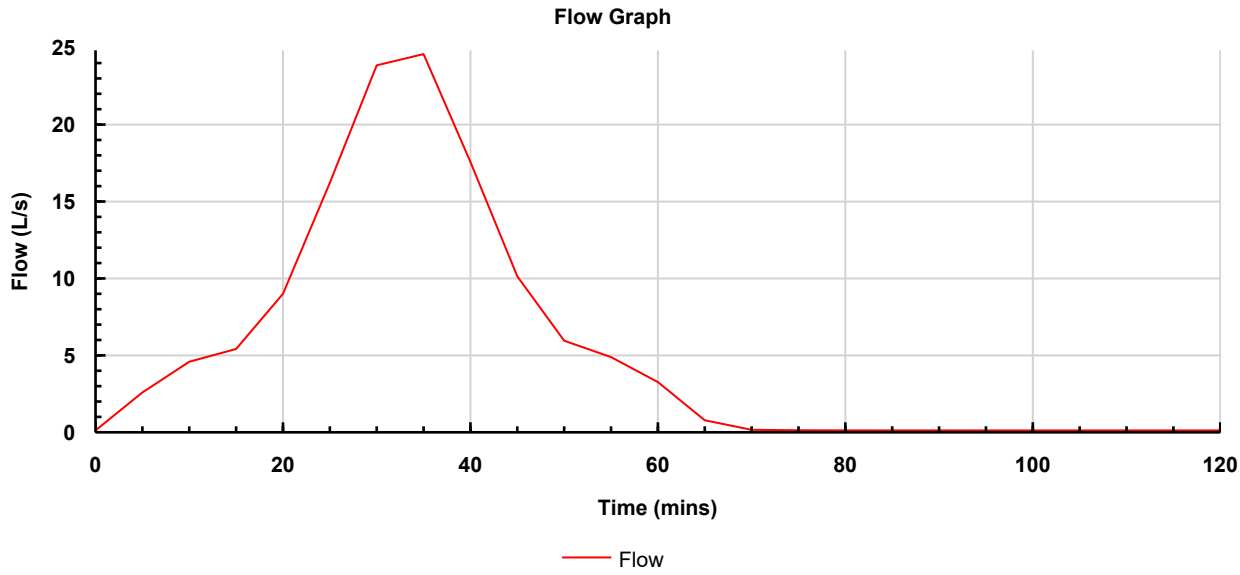
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.064	6.2
10	0.150	23.6
15	0.084	7.3
20	0.023	0.6
25	0.004	0.0
30	0.002	0.0

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: 60 mins: Winter

Type : Pipe

Graphs



Tables

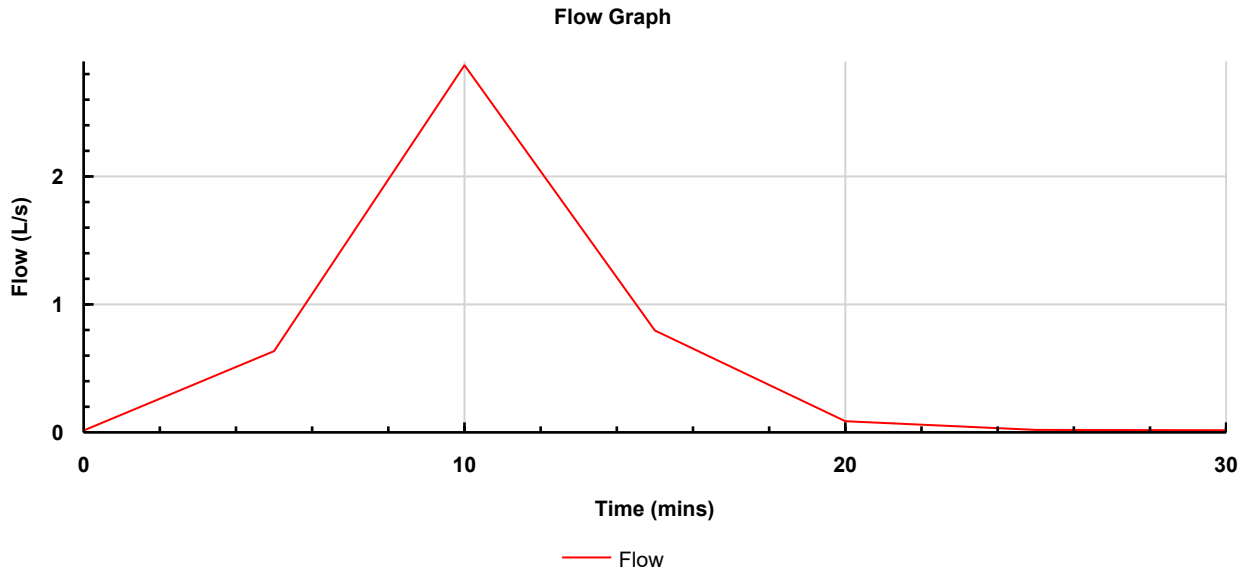
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.011	2.5
10	0.030	4.5
15	0.056	5.3
20	0.093	8.9
25	0.150	16.2
30	0.150	23.8
35	0.150	24.6
40	0.150	17.5
45	0.150	10.1
50	0.150	5.9
55	0.150	4.8
60	0.150	3.2
65	0.150	0.7
70	0.150	0.0
75	0.150	0.0
80	0.150	0.0
85	0.150	0.0
90	0.150	0.0
95	0.150	0.0
100	0.150	0.0
105	0.150	0.0
110	0.150	0.0
115	0.150	0.0
120	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 (5)
Critical Storm: FSR: 2 years: Increase Rainfall (%): +0: 15 mins: Summer

Type : Pipe

Graphs



Tables

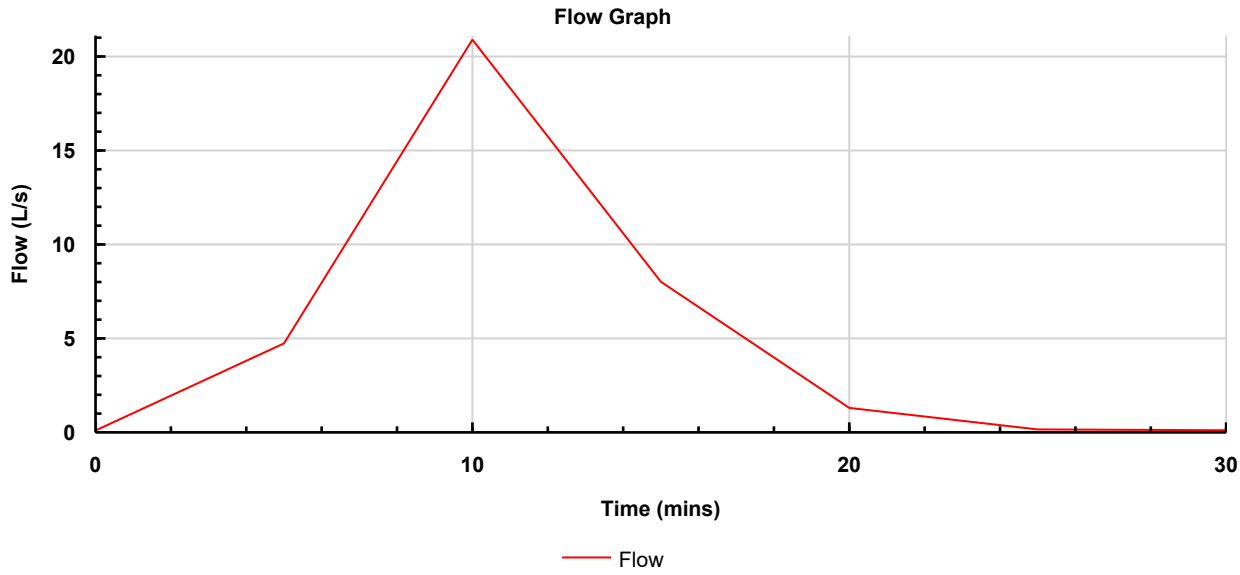
Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.009	0.6
10	0.042	2.9
15	0.073	0.8
20	0.077	0.1
25	0.077	0.0
30	0.076	0.0

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: 30 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	4.7
10	0.116	20.9
15	0.150	8.0
20	0.150	1.2
25	0.150	0.1
30	0.150	0.0

APPENDIX F

DRAINAGE LAYOUT AND DETAILS

CONTINUED OPPOSITE

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.

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
A	Updated to suit comments	04-11-2025	GB	SS
B	Updated to suit comments	16-06-2026	GB	SS

AFA CONSULTING ENGINEERS LTD

AFA Consulting Engineers Ltd
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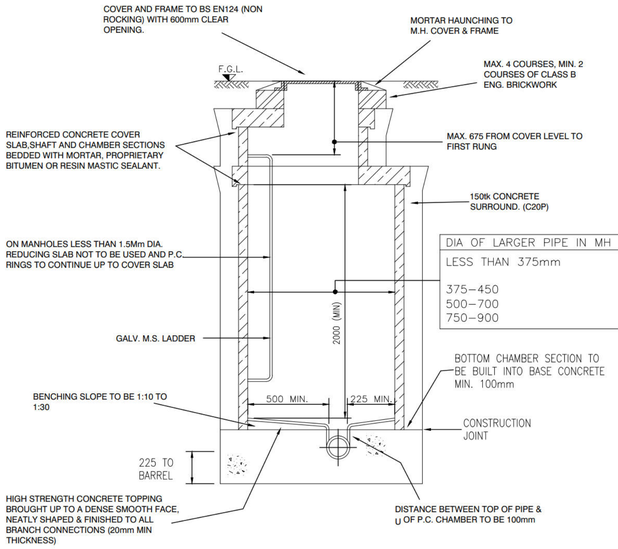
CLIENT
The Ramsbury Manor Foundation

PROJECT
Ramsbury Manor - Estates Yard

DRAWING TITLE
Drainage Layout - Estates Yard

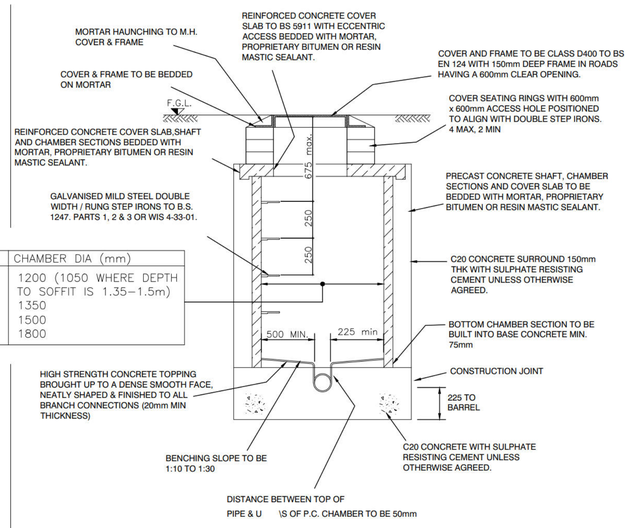
DRAWING STATUS
FOR COMMENT

SCALE	DATE	
1:250 @ A1	Aug 2025	
DRAWN BY	CHECKED BY	
GB	PO	
JOB NO.	DWG NO.	REV
2080	SL(5)500	B



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

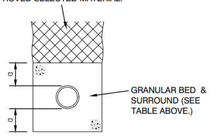
PIPE DIA.	ROCKER PIPE LENGTH
150-600	0.6
675-750	1.0
>750	1.25

Plan
Manhole Type 'A'

PLAN
MANHOLE TYPE 'B'
Table A

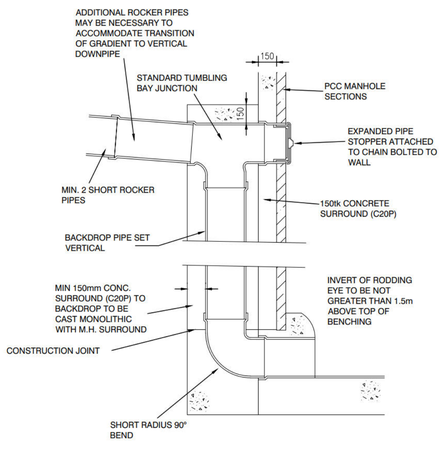
TABLE 1			
PIPE NOMINAL BORE (DN)	MAX. PARTICLE SIZE (mm)	CLASS OF BEDDING	SUITABLE IMPORTED GRANULAR MATERIALS
OVER 100 TO 150 dia	15	S	10mm OR 14mm NOMINAL SINGLE-SIZED OR 14mm TO 5mm GRADED.
OVER 150 TO 500dia	20	S	10,14 0R 20mm NOMINAL SINGLE -SIZED OR 14mm TO 5mm GRADED 0R 20mm TO 5mm GRADED.
OVER 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.

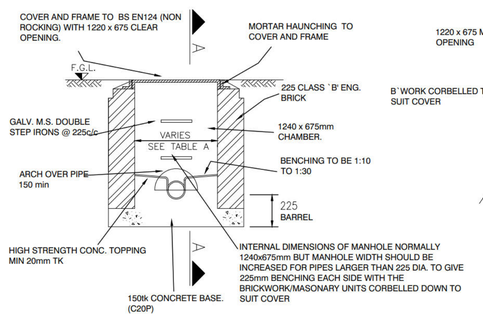


DIMENSION a :-
IN ROCK OR MATERIAL CONTAINING HARD SPOTS
SLEEVED JOINTED PIPES - 150mm MIN.
SOCKETED PIPES - 200mm MIN.
ELSEWHERE
SLEEVED JOINTED PIPES - 100mm MIN
SOCKETED PIPES - 100mm MIN.

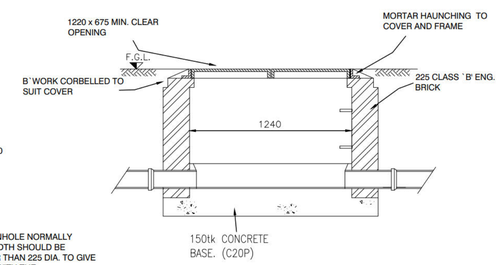
Class 'S' Pipe Bedding Detail



Vertical Backdrop Detail



Type 'C' Manhole Detail
Max Depth From Ground Level To Soffit Of Pipe 1.45m



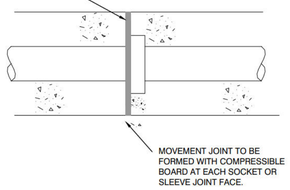
Section A - A
Section Through MH Type C

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		

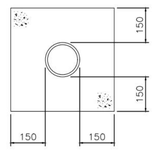
Table A

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.)

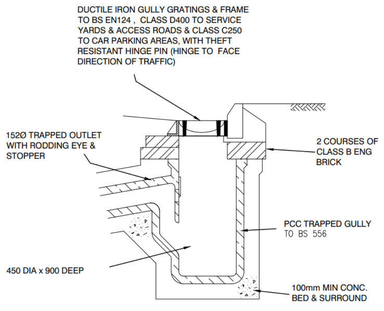
NOMINAL DIA OF PIPE (mm)	THICKNESS OF COMPRESSIBLE FILLER (mm)
LESS THAN 450	18
450-1200	36
EXCEEDING 1200	54



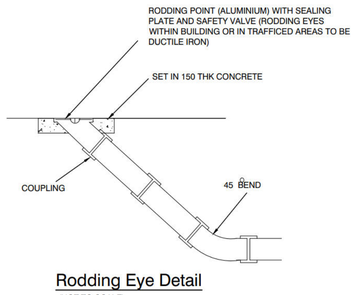
MOVEMENT JOINT TO CONCRETE PIPE SURROUND
Table A



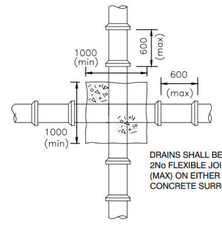
TYPICAL CONCRETE PIPE SURROUND DETAIL
Table A



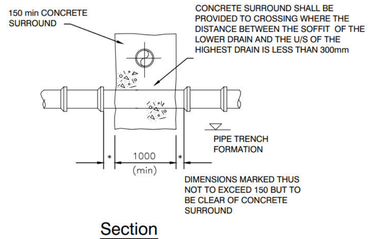
Typical Road Gully Detail



Rodding Eye Detail
(NOT TO SCALE)



Plan On Pipe Crossover



Section

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DRAWING REVISIONS

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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	-



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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REV	DESCRIPTION	DATE	BY	CHK
A	Updated to suit comments	16-06-2026	GB	SS

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PROJECT
Ramsbury Manor - Exhibition Centre

DRAWING TITLE
Drainage Layout - Exhibition Centre

DRAWING STATUS
FOR COMMENT

SCALE	DATE
1:250 @ A1	Aug 2025
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JOB NO.	DWG NO. / REV
2080	SL(5)502 / A

CONTINUED OPPOSITE

CONTINUED OPPOSITE

DRAINED AREA = 891M2

ACCESS ROAD DRAINED AREA = 1327M2

NEW ACCESS ROAD DRAINED AREA = 1140M2

ACCESS ROAD DRAINED AREA = 987M2

LINED WITH Building material bunkers

Slip ramp

Diesel Tank 2,730 litres

Petrol Tank 1,365 litres

Groundwork Machinery and tools

Electrical Store

Machinery Maintenance

FLOOR GULLY

DRAINED AREA = 1243M2

Material Store

Machinery Store

Fire Supplies Store

Builders Store

Barrows

Shuttering and Ladders

Paint Shop

Carpenters Workshop

Joinery Area

Drawings & Records

Office

Canteen

Toilets

Sheet 2

Sheet 3

171450N

171350N

426000E

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REV	DESCRIPTION	DATE	BY	CHK
A	Updated to suit latest layout	03-11-2025	GB	SS

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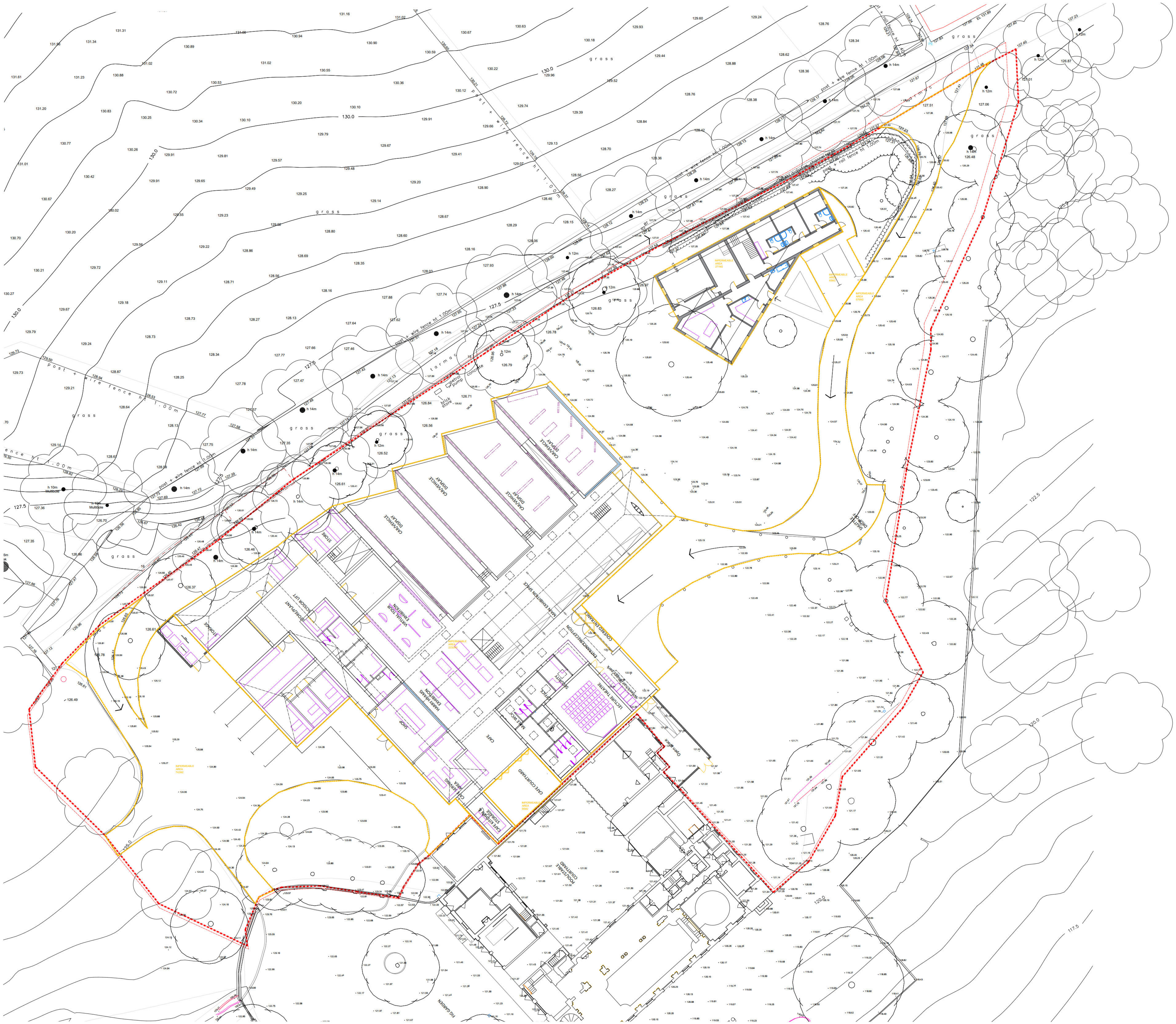
CLIENT
The Ramsbury Manor Foundation

PROJECT
Ramsbury Manor - Estates Yard

DRAWING TITLE
Proposed Drained Areas - Estates Yard

DRAWING STATUS
FOR COMMENT

SCALE	DATE	
1:250 @ A1	Aug 2025	
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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	
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GB	PO	
JOB NO.	DWG NO.	REV
2080	SL(5)511	-

CONTINUED OPPOSITE

CONTINUED OPPOSITE

Key

Flood Exceedance Routing

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Ramsbury Manor - Estates Yard

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PROJECT
Ramsbury Manor - Exhibition Centre

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Flood Exceedence Routing

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1:250 @ A1	Nov 2025
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GB	PO
JOB NO.	DWG NO.	REV
2080	SL(5)521	-

APPENDIX G

DRAINAGE LAYOUT EXISTING STABLES BUILDING

CLEAN WATER

FOUL WATER

= DOWN PIPES AND GRIDS

= MANHOLE COVERS

ELECTRICITY STORE

WORK SHOP

FORESTERS

GARAGE

GARAGE

GARAGE

DUTCH BARN

ENTRANCE TO FLAT A (CHAUFFEUR)

HALL

STORE

KITCHEN

STORE

KITCHEN

LIVING ROOM

HALL

UP

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

SHOWER

HOPPER FROM SAUNA ROOF AND PLANT ROOM ROOF

HOPPER FROM SAUNA ROOF AND PLANT ROOM ROOF

SOLARIUM

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

OUTER LOUNGE AREA

SWIM POOL

INNER POOL

PRIVATE REST ROOM

HOPPER FROM INNER LOUNGE ROOF AND WASTE FROM PRIVATE BASIN

MAIN ENTRANCE

TERRACE

TEMPORARY TOILET

POOL OVERFLOW

TO SEPTIC TANK

SEPTIC TANK 1

SEPTIC TANK 2

UPSTAIRS KITCHEN AND BATHROOM

TO SEWAGE PLANT

WELL

SOAKAWAY UNDER CEDAR TREE

SOAKAWAY IN PARK

POOL DRAINAGE SYSTEM 2011

APPENDIX I

AQUATREAT TECHNICAL DETAILS

SUB SURFACE
EST. 1972
GROUND INVESTIGATION SPECIALISTS

INTERPRETATIVE GROUND INVESTIGATION REPORT

AT:

RAMSBURY EXHIBITION CENTRE,
WHITES HILL,
RAMSBURY,
WILTSHIRE,
SN8 2RG

PREPARED FOR: THE RAMSBURY MANOR FOUNDATION
REPORT No.: SE1974A
DATE: 14TH MAY 2026



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1.2 Proposed Development and Purpose of the Ground Investigation 3
2 INVESTIGATION 4
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4.5 Buried Concrete 13
4.6 Roads, Hardstandings and Car Parks 14
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5.1.2 Preliminary Conceptual Ground Model 15
5.1.3 Assessment (Soil) 19
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6 CLIMATE CHANGE EFFECTS 21
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8 REFERENCES 23

APPENDICES

In-situ Test results
Laboratory Test results
Contamination Analysis results
Borehole Record sheets
Trial Pit Record sheets
Photographs
Figures

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GROUND INVESTIGATION AT RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG

CLIENT: THE RAMSBURY MANOR FOUNDATION
ENGINEERS: GREENWOOD PROJECTS LIMITED

1 INTRODUCTION

This report has been prepared in accordance with an email instruction, dated 24th February 2026, from the Engineers on behalf of the Client.

The brief was set out in our estimate, ref. ESE4033 and dated 4th February 2026, with amendments as the investigation proceeded and includes:

- 5 No. cable percussive boreholes
- 3 No. trial pits
- In-situ testing
- Geotechnical laboratory testing
- Contamination analyses
- Installation of standpipes followed by groundwater monitoring
- Provision of an interpretative report on the above.

It should be noted that we have previously issued a Phase I Desk Study Report for this site, ref. SE1974 and dated March 2026, which should be read in conjunction with this Phase II Ground Investigation Report.

1.1 Site Location and Description

The site is located in Ramsbury Manor Park, Ramsbury, Marlborough, Wiltshire, SN8 2RG, as indicated on Figure 1. The approximate National Grid Reference of the centre of the site is 425804, 171198.

As shown on Figure 2, the about 0.72 hectare irregular shaped site is bound on all sides by land associated with Ramsbury Manor with a road running along the north western and south western site boundaries.

The site is partly concrete surfaced, partly grass surfaced and developed with a number of farm buildings.

1.2 Proposed Development and Purpose of the Ground Investigation

We understand that it is proposed to construct a new visitor and exhibition centre with associated gardens and road access, as shown on Figure 3.

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The intrusive investigation was undertaken in general accordance with BS5930:2015+A1:2020 [1] and its purpose was to determine the ground conditions at the positions of the exploratory holes, to assess the likelihood of a general pattern of strata being present below the site and to establish their load bearing characteristics deriving, if possible, an assessment of the suitability of appropriate founding techniques.

A generic quantitative contamination risk assessment has been conducted in general accordance with the Environment Agency's 'Land Contamination Risk Management' guidance [2] and British Standard BS10175: 2026 [3] . The purpose of the contamination risk assessment is to:

- identify potential risks to construction workers, site end users, and the broader environment.
- to evaluate the need for additional sampling and analysis and determine any necessary precautions and/or remedial measures required for the proposed development.

Groundwater monitoring and soakaway testing was required to determine the groundwater conditions on site.

2 INVESTIGATION

2.1 Investigation Details

Five 150mm diameter boreholes were put down by cable percussive boring techniques at the positions determined and set out by the Client, as shown on Figure 4. The boreholes were put down to depths of between 10.45 and 12.45 metres, samples taken were logged in accordance with BS.5930:2015+A1:2020 [1] and the resulting Borehole Records are appended. On completion the boreholes BH1, BH3 and BH4 were backfilled with arisings and groundwater monitoring standpipes were installed in BH2 and BH5 to 5.10 and 5.01 metres respectively.

Three trial pits were taken out by a mechanical excavator at the positions determined and set out by the Client, as shown on Figure 4. The trial pits were excavated to depths of between 1.90 and 2.50 metres, representative samples were taken and the materials were logged in accordance with BS.5930:2015+A1:2020 [1]. The resulting Trial Pit Records are appended. On completion, soakaway tests were undertaken in SA1 and SA2 and then the trial pits were backfilled with arisings and partially compacted by the excavator, but it is likely that loose or soft pockets will still remain.

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2.2 Sub Surface Detail

Details of the strata encountered in the ground investigation are given on the appended Borehole Records and Trial Pit Records. The exploratory holes found variably made ground or topsoil to depths of between 0.30 and 1.00 metres, overlying firm to stiff medium to high strength gravelly slightly sandy clays and medium dense to very dense locally loose very clayey flint and chalk gravels. Chalk bedrock was encountered at depths of between 2.50 and 7.50 metres with competent Grade Dc chalk encountered at depths of between 2.50 and 10.00 metres.

The depths of strata found were as follows:

TABLE 1 STRATA

Expl. Hole No.	Depth of Made Ground/ Topsoil (m)	Depth of Cohesive Deposits (m)	Depth of Granular Deposits (m)	Depth to Chalk Bedrock (m)	Depth of Hole (m)
BH1	0.30	2.00 6.00	3.50 -	6.00	10.95
BH2	0.50	2.50	-	2.50	10.45
BH3	1.00	3.50	-	3.50	10.45
BH4	0.30	-	7.00	7.00	11.95
BH5	0.80	-	7.50	7.50	12.45
SA1	0.30	>2.10			2.10
SA2	0.45	>1.90			1.90
TP3	0.80	-	>2.50		2.50

BH = Borehole, SA = Soakaway Trial Pit, TP = Trial Pit.

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A general summary of the strata found is as follows:

2.2.1 Made Ground/ Topsoil

Topsoil was encountered in BH1 and BH4 to 0.30 metres depth.

In BH2 made ground comprised of brick and gravel to 0.50 metres depth. In BH3, taken out in an area of concrete hardstanding in the centre of the site, made ground comprised of concrete to 0.20 metres, overlying soft brown gravelly slightly sandy clay to 1.00 metres depth. In BH5 made ground comprised of soft brown slightly gravelly slightly sandy clay to 0.80 metres depth.

Made ground in the trial pits generally comprised of soft brown and grey gravelly slightly sandy clay to depths of 0.30, 0.20 and 0.80 in SA1, SA2 and TP3 respectively. Underlying this in SA2 made ground comprised of soft brownish grey silty clay to 0.30 metres, overlying soft greyish brown gravelly slightly sandy clay to 0.45 metres depth.

2.2.2 Superficial Deposits

Cohesive strata were encountered underlying the made ground/ topsoil in BH1, BH2 and BH3 in the south west of the site, and generally comprised of firm to stiff medium to high strength brown and dark brown gravelly to slightly gravelly slightly sandy clay with occasional bands of very clayey gravel to depths of 2.00, 2.50 and 2.50 metres depth. Underlying this in BH1 granular deposits were encountered which comprised of very dense brown very clayey sandy angular to subangular fine to coarse flint gravel with occasional flint cobbles to 3.50 metres depth, overlying stiff to very stiff high strength brown slightly gravelly slightly sandy clay to 6.00 metres depth. Underlying the initial layer of cohesive deposits in BH3 a further layer of firm friable medium strength light brown slightly gravelly silty clay was encountered to 3.50 metres depth.

Granular deposits were encountered underlying the made ground in BH4 and BH5 and comprised of medium dense brown and dark brown very clayey angular to rounded fine to coarse flint gravel with occasional pockets and bands of gravelly clay becoming loose below 3.50 and 4.50 metres respectively to 4.50 and 5.50 metres depth respectively. In BH4 this was underlain by a possible relic chalk boulder recovered as grade Dm chalk to 5.20 metres, overlying very dense brown very clayey sandy angular to subrounded fine to coarse flint gravel with occasional pockets of gravelly clay to 7.00 metres depth. Underlying the initial layer of granular deposits in BH5 a further layer comprised of loose cream and dark brown very clayey silty angular to subrounded fine to coarse flint and chalk gravel to 7.50 metres depth.

In the trial pits SA1 and SA2 cohesive deposits were encountered underlying the made ground and these generally comprised of firm brown gravelly silty clay to the base of the excavations at 2.10 and 1.90 metres respectively. In TP3 granular deposits were encountered underlying the made ground and these comprised of brown very clayey slightly sandy angular to subangular fine to coarse flint gravel with some bands of gravelly clay to the depth of the trial pit at 2.50 metres depth.

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2.2.3 Bedrock

Structureless chalk bedrock was encountered in the boreholes between 2.50 and 7.50 metres depth. Grade Dm chalk was encountered to depths of 7.50 and 10.00 metres in BH1 and BH5 respectively and Grade Dc chalk was then found to the base of all the boreholes at between 10.45 and 11.95 metres depth. In BH4 a possible relic chalk boulder was recovered as grade Dm chalk between two bands of gravel at 4.50 to 5.20 metres depth.

2.2.4 Groundwater

No groundwater was encountered in the exploratory holes although it should be noted that they were only left open for a short period of time and groundwater levels and rates of inflow may be subject to seasonal and/ or climatic variations.

Monitoring of standpipes installed in BH2 and BH5 to 5.10 and 5.01 metres respectively found the standpipes to remain dry.

3 SAMPLING, TESTING AND MONITORING

3.1 Sampling

Small disturbed and bulk disturbed samples were obtained for the strata encountered and were subjected to careful examination.

Environmental soil samples were taken for contamination analyses each comprised one 1 litre plastic tub, one 250ml glass jar and one 60ml glass vial. The environmental samples were transported to the testing laboratory in insulated containers to maintain a low temperature.

The samples will be retained for a period of one month after the issue of this report, for reference purposes, and then disposed of unless otherwise instructed.

3.2 Field Testing

Thirty-one Standard Penetration Tests (SPTs) and eleven Standard Cone Penetration Tests (CPTs) were performed in the boreholes, the results of which are recorded on the appended Standard Penetration Test Results Sheet with 'N' values and indicative relative density and shear strength, where appropriate, given on the Borehole Records.

Soakaway tests were undertaken in SA1 and SA2. Water was added to the pits from a bowser and water levels were subsequently monitored over a period of up to 200 minutes. The Soil Infiltration Rate has been determined, and details of the soakaway tests are appended.

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3.3 Installations and Monitoring

On completion of BH2 and BH5 hdpe standpipes were installed to depths of 5.10 and 5.01 metres respectively. The standpipes are slotted from 1.00 metres depth, have an internal diameter of 50mm and have removable quick release gas valves to enable groundwater monitoring and sampling to be undertaken. Details of the installations are given on the Borehole Records.

Monitoring of the standpipes for groundwater has been undertaken on 2 of 2 scheduled occasions using portable equipment. The results of the monitoring are given on the appended Groundwater Monitoring Results sheet.

3.4 Laboratory Testing

The following laboratory tests were carried out in accordance with BS.1377: 1990 [4], where applicable, and the results are appended.

- Moisture content, plastic limit and liquid limit tests
- Particle size distribution by wet sieve / sedimentation analysis
- California Bearing Ratio tests on samples remoulded at natural moisture content
- Soluble sulphate content and pH value tests

Six Saturation Moisture Content of Chalk test have been undertaken and the results are appended.

Contamination analyses have been performed on eight soil samples to determine: pH and concentrations sulphate, sulphide, cyanide, arsenic, boron (soluble), cadmium, chromium, hexavalent chromium, copper, lead, mercury, molybdenum, nickel, selenium, zinc, speciated aliphatic and aromatic TPHs (from the TPH Criteria Working Group suite), the speciated polynuclear aromatic hydrocarbons (PAH EPA16) suite, the benzene/ ethylbenzene/ toluene/ xylene (BTEX) suite and phenols. In addition, eight soil samples were analysed for soil organic matter content, and eight soil samples were subjected to an asbestos screen.

The results of the above analyses are appended.

4 APPRAISAL AND RECOMMENDATIONS: GEOTECHNICAL

4.1 Comments on the Strata Profile

At the outset it should be appreciated that only a small proportion of the soil mass in the area to be developed has been investigated and consequently the recommendations made and opinions expressed in this report can only be applied to such conditions as were encountered in the exploratory holes.

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Due to the site having been previously developed, and the nature of made ground, localised variations in thickness and composition should be anticipated and hence interpolation or extrapolation from the exploratory holes to adjoining areas should only be undertaken with caution.

The exploratory holes indicate a nature and degree of similarity to the extent that we consider them likely to be representative of the natural ground conditions. However, no guarantee can be given.

The internet based British Geological Survey (BGS) Viewer indicates that the site is underlain in the south east by the Beenham Grange Gravel Member composed of variably sandy and clayey gravel. The bedrock is indicated to be the Seaford Chalk Formation composed of firm white chalk. Given the above there is an indication that the geological formation will be similar beneath the site and the immediate surrounding area and hence some continuity might be assumed, but not guaranteed.

It should be noted that the site is underlain by chalk strata and that solution features associated with such strata may be present for which no evidence has been found during the ground investigation. Observations should be kept throughout all groundworks for broken and/ or voided ground, found in association with such features, and appropriate action taken in the light of inspection and further investigation where necessary.

Details of the findings of the investigation are given on the appended Borehole Records and Trial Pit Records, and a summary of the ground conditions is given in Section 2.2.

4.2 Foundations

We understand that it is proposed to construct a new visitor and exhibition centre with associated gardens and road access. However, at the time of writing this report no specific details regarding the proposed foundations and design loadings were available and consequently the recommendations given are in general terms only.

The ground investigation found variably made ground or topsoil to depths of between 0.30 and 1.00 metres, overlying firm to stiff medium to high strength gravelly slightly sandy clays and medium dense to very dense locally loose very clayey flint and chalk gravels. Chalk bedrock was encountered at depths of between 2.50 and 7.50 metres with competent Grade Dc chalk encountered at depths of between 2.50 and 10.00 metres.

We would not recommend founding in the made ground in its present condition because of its inherent variability in consistency and compaction, and in parts the nature of its constituents.

Providing there is sufficient load bearing capability we recommend that the proposed buildings are founded on strip footings for wall loads and pad foundations for column loads in the natural medium to high strength cohesive strata and medium dense to very dense granular strata.

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Atterberg limit tests on the cohesive strata indicate clays of intermediate plasticity which are considered to have a low to medium susceptibility to shrinkage and swelling with varying moisture content. Given the above foundations should be taken down to a minimum 0.90 metres below finished ground level to avoid the zone which is subject to seasonal moisture content variation and frost action. If buildings are to be constructed adjacent to existing trees, trees are to be removed and/or trees are to be planted then the guidelines given in the National House Building Council (NHBC) Standards Chapter 4.2, 'Building Near Trees', should be followed for clays of low shrinkage and swelling potential.

Further precautions might need to be taken to protect walls and floor slabs from the effects of swelling following the removal of the trees or the cutting of the roots. Damage is likely to be caused when desiccated cohesive soils expand on taking up moisture previously taken by the roots; if for example, walls are constructed such as to constrain such soils to a limited volume.

It should be noted that in parts of the site the natural strata is at a depth of in excess of 0.90 metres and in these areas foundations should be taken down to a minimum 0.10 metres below the base of the made ground unless the NHBC guidelines indicate a greater depth.

In view of the depth of foundations required it is anticipated that trench fill will be used to bring levels back up to the near surface. Largely dependent upon the cost of disposal of arisings, we anticipate that trench fill would normally be economically viable providing foundation depths do not exceed about 2.50 to 3.00 metres.

Taking the results of the field tests we have determined the safe bearing capacity of the natural strata, as follows:

TABLE 2 SAFE BEARING CAPACITY

Expl Hole No.	Depth (m)	SPT 'N' Value	Shear Strength (kN/m^2)	Safe Bearing Pressure (kN/m^2)		Recommended Minimum Foundation Depth (m)
				Strip Footing	Square Pad	
BH1	1.65	35	140	265	315	0.90
	2.65	51/255mm	-	600***	600***	
	3.65	35	140	265*	315*	
	4.65	19	76	140	170	

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TABLE 2 SAFE BEARING CAPACITY (Cont.)

Expl Hole No.	Depth (m)	SPT 'N' Value	Shear Strength (kN/m²)	Safe Bearing Pressure (kN/m²)		Recommended Minimum Foundation Depth (m)
				Strip Footing	Square Pad	
BH2	1.65	13	52	95	115	0.90
	2.65	22	-	225	225	
	3.65	18	-	225	225	
	4.65	20	-	225	225	
BH3	1.65	29	116	220*	260*	1.10
	2.65	14	56	105	125	
	3.65	19	-	225	225	
	4.65	19	-	225	225	
BH4	1.65	15	-	165**	165**	0.90
	2.65	25	-	290***	290***	
	3.65	9	-	85**	85**	
	4.65	9	-	-	-	
BH5	1.65	20	-	225**	225**	0.90
	2.65	23	-	265***	265***	
	3.65	18	-	200***	200***	
	4.65	6	-	50**	50**	

* Consideration must be given to weaker underlying strata which might be overstressed if loading is not reduced.

** For footings on granular strata, the safe bearing capacity given is based upon a footing width of less than 1.50 metres. For wider footings a reduction would be necessary.

Appreciable variations in safe bearing capacity are indicated in Table 2 and as a consequence of this, and the need to utilise a generally applicable safe bearing pressure to enable designs to be reasonably formulated, we recommend that values of 95 kN/m² for strip footings and 115 kN/m² for square pads should not be exceeded for the recommended minimum foundation depth given.

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All formation levels should be carefully inspected by an experienced and qualified Engineer to confirm the appropriateness of the design figures used with any soft, loose, or rubbly zones removed and replaced with lean mix concrete. The formation should then be blinded with lean mix concrete as soon as possible after exposure, if there is to be a delay before construction, to prevent water softening or disturbance.

It should be noted that the safe bearing pressures given for the cohesive strata do not take into consideration settlement. Settlement is dependent upon loading intensity, the width of the foundation and the coefficient of volume compressibility (Mv) of the compressible strata. When details of the foundations are formulated we recommend that total and differential settlements are assessed to ensure that they are within acceptable limits.

Based upon the maximum safe bearing pressures given above total settlement of less than 25mm would be anticipated.

It is likely that due to the mixed granular and cohesive superficial strata encountered within the site it may not be possible for the formation level to be entirely within a similar strata over an individual property. We therefore recommend that reinforcement in foundations is provided in areas of differing founding strata to give adequate strength to bridge or cantilever over areas of significantly differing rates of settlement and to induce an increase in the settlement where relatively low settlements are expected.

4.3 Floor Slab Construction

With regard to the design and construction of normal ground bearing floor slabs, it should be noted that due to the thickness of made ground in certain areas of the site there will be a risk of significant total and differential settlements, the extent of which will be a matter of chance rather than being assessable by calculation.

In these areas of deeper made ground to obviate any significant damaging settlements we would recommend using a suspended floor slab with intermediate support designed on the same basis as the main foundations where the spans are too large for economical single suspended slab design.

In areas of shallow made ground/topsoil we would recommend its removal and the level brought up as required using a graded granular hardcore placed and compacted in layers of not greater than 150mm followed by the construction of a concrete ground bearing floor slab.

4.4 Excavations and Groundwater

There should be no particular difficulties in excavating the strata indicated in the exploratory holes utilising an appropriate and suitably sized mechanical excavator. However, where concrete was found in BH3 this will need to be broken out prior to excavation. In addition, it should be noted chiselling techniques were required in BH1 between 1.80 and 2.00 metres.

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The trial pit sides were found to remain vertical and stable for the relatively short period that they were left open and unsupported. However, it is recommended that all excavations to greater than 1.20 metres depth, or for shallower excavations where groundwater is encountered above this level, are closely supported, especially where man entry is required. Alternatively, where space permits, the excavations might be battered back to an appropriate angle.

When in close proximity to existing buildings, structures, slopes/retaining walls and services it is essential that lateral support and stability is maintained at all times.

No groundwater was encountered in the exploratory holes although it should be noted that they were only left open for a short period of time and groundwater levels and rates of inflow may be subject to seasonal and/ or climatic variations.

Monitoring of standpipes installed in BH2 and BH5 to 5.10 and 5.01 metres respectively found the standpipes to remain dry.

Should groundwater seepages occur and water accumulate in open excavations it should be able to be removed by pumping from a filtered sump. However, given the limited information, groundwater seepages or inflows are not anticipated in shallow excavations.

Care will need to be taken when reducing groundwater levels to ensure that adjoining/ nearby buildings, structures and services are not affected.

Soakaway tests undertaken in SA1 and SA2 found the soil infiltration rate determined by tests undertaken in SA1 was between $1.30x10^{-4}$ and $7.29x10^{-4}$ ms^{-1}, and the soil infiltration rate determined by tests undertaken in SA2 was between $1.70x10^{-5}$ and $2.41x10^{-5}$ ms^{-1}.

It should be noted that due to the presence of chalk at relatively shallow depth we would recommend that any soakaways are placed at a minimum of 10 meters away from any foundations.

4.5 Buried Concrete

For the design of buried concrete the recommendations given in Building Research Establishment (BRE) Special Digest 1 (February 2017 revision), "Concrete in Aggressive Ground" [5], should be followed.

Determination of pH on the soil samples gave values in the range of 8.2 to 8.8 (alkaline).

Soluble sulphate concentrations were also determined for the soil samples and the results ranged from <0.01 to 0.02 g/l.

The results indicate that the Design Sulphate Class for the site should be DS-1.

Our knowledge of the site and ground conditions indicates that the site is "brownfield" with potentially mobile groundwater. Consequently, in accordance with the Design Sulphate Class for the site together with the site and groundwater conditions an

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Aggressive Chemical Environment for Concrete (ACEC) classification of AC-1 should be used as detailed on the appended extract.

4.6 Roads, Hardstandings and Car Parks

Laboratory California Bearing Ratio (CBR) tests have been undertaken on samples of clay taken from SA1 and SA2 and gravel taken from TP3 recompacted at their natural moisture content and the results of the tests are appended. A summary of the laboratory CBR test results is as follows:

TABLE 3 CBR RESULTS

Expl. Hole No.	Depth (m)	Dry Density (Mg/m^3)	Moisture Content (%)	CBR Value (%)	Sample
SA1	0.60	1.79	17	1.6	Brown gravelly silty CLAY.
SA2	0.50	1.58	24	2.2	Brown slightly gravelly silty CLAY.
TP3	0.90	1.81	16	4.8	Brown very clayey slightly sandy angular to subangular fine to coarse flint GRAVEL.

It should be noted that the above values are moisture dependent and it is possible that the CBR values would reduce with increased moisture content; this being particularly so for cohesive strata.

Given the above it would be advisable to strengthen the underlying cohesive strata, for example by lime or cement stabilisation to reduce the moisture content and increase the CBR value, prior to laying the sub-base for the access road/ car parking, due to the low CBR values recorded. Alternatively, a geogrid could be used beneath the sub-base to stabilise the road/ car parking construction.

It would be advisable to design on a CBR value of 4.8% for the granular strata where they are found at formation level. If there is to be a delay before construction, to prevent water softening, loosening and disturbance, the formation strata should not be exposed.

We recommend that following earthworks to form the final formation levels for the proposed road/ car parking, proof rolling and additional insitu CBRs should be undertaken. A review of the design CBR values should then be undertaken before finalising the design.

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5 APPRAISAL & RECOMMENDATIONS: GEOENVIRONMENTAL

5.1 Contamination Risk Assessment

The Environment Agency's Land Contamination Risk Management guidance [2] sets out a three tiered approach to risk assessment:

1. Preliminary risk assessment: first tier of risk assessment that develops the initial conceptual site model to establish whether there are any potentially unacceptable risks.
2. Generic quantitative risk assessment: uses generic assessment criteria and assumptions to estimate risk.
3. Detailed quantitative risk assessment: uses detailed site-specific information to estimate risk.

Each tier should establish contaminant sources, assess the hazard using a source-pathway-receptor (S-P-R) linkage approach to find out if there is the potential for unacceptable risk, predict what degree of harm or pollution might result and how likely it is to occur, and evaluate the risk to determine whether the risk is unacceptable.

This report comprises a Tier 2 risk assessment subject to the uncertainties, data gaps and limitations given in 5.1.1 below.

5.1.1 Uncertainties, Data Gaps and Limitations

We have previously undertaken a Phase I Desk Study and Walkover Report (Tier 1 risk assessment), ref. SE1974 and dated March 2026 and this Phase II ground investigation has been undertaken to provide an initial generic contamination risk assessment in accordance with the Phase I Conceptual Ground Model. It should be appreciated that the suite of determinants analysed for consists of a range of contaminants identified in the Conceptual Ground Model. However, the absence of any other specific contaminants cannot be guaranteed.

It should be appreciated that only a small proportion of the soil mass has been analysed and consequently the recommendations made and opinions expressed in this report can only be applied to such conditions as were encountered in the exploratory holes.

Due to the site having been previously developed, and the nature of made ground, localised variations in thickness and composition should be anticipated and hence interpolation or extrapolation from the exploratory holes to adjoining areas (a) should not be undertaken. (b) should only be undertaken with caution.

5.1.2 Preliminary Conceptual Ground Model

Our Phase I Desk Study Report (Tier 1 risk assessment), ref. SE1974 and dated March 2026, identified the following potential linkages between contamination sources and receptors:

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Sources

Potential sources of contamination identified in the desk study are:

- General contaminants associated with Made Ground (if present) and past and present contaminative processes undertaken on and adjacent to the site including demolition of buildings previously on site and construction of the on-site agricultural buildings including machinery and domestic garages.
- On-site spillage and leakage of hydrocarbons (oils and fuels) from vehicles parked on site, within domestic garages and agricultural buildings storing farm machinery.
- Migrating leachate (contaminated surface and/ or groundwater) from any Made Ground present on site.
- Migrating ground gases from an unregistered landfill 80m to the northwest of the site.
- PCBs from the Electricity Substation 30m to the northwest of the site, built by 1975-1976 predating the ban on PCBs.
- Pathogens associated with any farming previously on site, stables and animal pens.
- Asbestos from the possible corrugated asbestos cement sheet roofs.

Pathways

Potential pathways from source and receptor for the proposed development are:

- Direct skin contact with and/ or ingestion of contaminated soils and/ or water.
- Inhalation of dust, vapours and/ or gases.
- Dissolved contaminants via infiltrating surface water/ migrating groundwater.
- Dissolved ground gases via infiltrating surface water/ migrating groundwater.
- Volatile contaminants via permeable soils and rocks.
- Migrating pollutants to the underlying aquifer and to adjacent properties.
- Ground gases via permeable soils and rocks.
- Consumption of contaminated fruit and/ or vegetables.

Receptors

Potential receptors for the proposed development are:

- Site operatives during demolition, earthworks and/ or construction.
- The end users of the development (young children are the most sensitive).
- Fruit and vegetables grown in gardens for consumption.
- Vegetation, bushes and trees planted as part of the development of the site.
- Controlled waters including surface water and groundwater, including aquifers.
- Maintenance operatives entering on-site confined spaces after development.
- Adjacent properties and occupants.

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Initial Conceptual Model

TABLE 4 CONCEPTUAL GROUND MODEL

Potential Source	Nature of Hazard	Contaminants Associated with the Source	Pathway	Receptor	Preliminary Risk Rating
Made Ground (if present)	Contaminants in Made Ground	Gen. Contaminants Arsenic Cadmium Chromium Lead Mercury Molybdenum Nickel Selenium Boron Copper Zinc Cyanide Sulphide Sulphate pH Phenols Polynuclear Aromatic Hydrocarbons (PAH) Total Petroleum Hydrocarbons (TPH)	Ingestion of soil Ingestion of dust Dermal contact Inhalation of dust Inhalation of vapours	Site Operatives End Users	Low
			Uptake via contaminated groundwater	Vegetation	Low
			Vertical and lateral movement of mobile contaminants to surface water and groundwater	Controlled Waters	Low
			Direct contact	Structures and Services	Low
Asbestos on/ in ground	Asbestos fibres	Asbestos fibres	Inhalation of fibres	Site Operatives End Users	Low
Machinery/ Vehicles	Fuel/ oil spillage and/or leakage from machinery, fuel/oil tanks and/or vehicles	Total Petroleum Hydrocarbons (TPH) and/ or Benzene/ Toluene/ Ethylbenzene/ Xylene (BTEX)	Ingestion of soil Ingestion of dust Dermal contact Inhalation of dust Inhalation of vapours	Site Operatives End Users	Low
			Uptake via contaminated groundwater	Vegetation	Low
			Vertical and lateral movement of mobile contaminants to surface water and groundwater	Controlled Waters	Low
			Direct contact	Structures and Services	Low

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TABLE 4 (Cont'd) CONCEPTUAL GROUND MODEL

Potential Source	Nature of Hazard	Contaminants Associated with the Source	Pathway	Receptor	Preliminary Risk Rating
Landfill (unregistered)	Ground Gas (Asphyxiation, fire and explosion)	Methane Carbon Dioxide	Inhalation of gas Ignition of gas	Site Operatives End Users	Very Low
Electricity Sub Station	Spillage/ leakage of transformer coolants	Poly Chlorinated Biphenyls (PCB)	Ingestion of soil Ingestion of dust Dermal contact Inhalation of dust Inhalation of vapours	Site Operatives End Users	Very Low
			Uptake via contaminated groundwater	Vegetation	Very Low
			Vertical and lateral movement of mobile contaminants to surface water and groundwater	Controlled Waters	Very Low
			Direct contact	Structures and Services	Very Low
Livestock	Pathogens and Bacteria in Organic Residues	Pathogens Bacteria	Ingestion of soil Ingestion of dust Dermal contact Inhalation of dust Inhalation of vapours	Site Operatives End Users	Very Low
			Uptake via contaminated groundwater	Vegetation	Very Low
			Vertical and lateral movement of mobile contaminants to surface water and groundwater	Controlled Waters	Very Low

Environmental Setting

The area of the site is relatively flat, and the immediate surroundings slope moderately down from north west to south east, towards the River Kennet.

The likely geology beneath the site has been determined using the British Geological Survey (BGS) Geology of Britain Viewer accessed on 14th May 2026.

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The superficial deposit beneath the south east of the site were anticipated to be the Beenham Grange Gravel Member composed of variably sandy and clayey gravel and have been designated by the Environment Agency as a Secondary A aquifer, comprising permeable layers capable of supporting water supplies at a local scale and in some cases forming an important source of base flow to rivers.

The bedrock beneath the site is anticipated to comprise the Seaford Chalk Formation composed of chalk, and has been designated as a Principal aquifer, comprising strata of high intergranular and/ or fracture permeability, usually providing a high level of water storage and may support water supply and/ or river base flow on a strategic scale.

British Geological Survey and Environment Agency data indicates that the site is within a 1km grid where significant soluble rocks are present that will enable rapid movement of a pollutant to groundwater.

Environment Agency data indicates that the site is not in an area where additional local information indicates that groundwater is vulnerable to pollution.

According to data provided by the Environment Agency there are twenty-two groundwater abstraction licences (nearest 636 metres west, nearest active 1,047 metres west), no surface water abstraction licences and seventeen potable water abstraction licences (nearest active 1,047 metres west) within 2000 metres of the site boundary.

There are no Source Protection Zones, set up to protect a water source within 500 metres of the site of boundary, present according to the environmental data report.

The nearest sensitive surface watercourse is the River Kennet 170 metres south east.

The findings of the intrusive investigation are generally concordant with the ground conditions anticipated by the Phase I Desk Study.

5.1.3 Assessment (Soil)

5.1.3.1 Long Term Risks

In order to provide an assessment of the presence of contamination eight soil samples have been analysed for a suite of determinants and the results are appended.

To assess the long term (chronic) risks to the end users of the site the concentrations of the determinands have been compared with the most recently published UK generic assessment criteria (GACs), including DEFRA Category 4 Screening Levels (C4SLs) (2014), CL:AIRE GACs (2010) and C4SLs (2021-2024), and LQM Limited Suitable for Use Levels (S4ULs) (2014). For compounds where no UK values have been published, international screening values have been adopted including the Dutch Intervention Values (2009) and US EPA Regional Screening Values (RSV) (2023).

The soil organic content (SOM) analyses found an average of 2.5% SOM. Organic compounds have therefore been assessed against the GACs for a 2.5% SOM.

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For the purposes of assessment, as the proposed development is a visitor/ exhibition centre, the results of the contamination analyses have been compared with the GACs for a standard land use of commercial and industrial.

The contamination analysis determined no elevated levels of the determinants analysed for when compared with the GACs. If the proposed land use changes in the future this would need to be reassessed. GACs used for the assessment can be supplied directly to the Regulator, if requested.

5.1.3.2 Asbestos Containing Material (ACM)

An asbestos screen was undertaken on eight soil samples and no asbestos was detected.

It should be noted that the Phase I Desk Study identified the potential presence of corrugated asbestos cement sheeting in the roofing of the stables in the centre of the site and recommended that this should be assessed, removed and disposed of in accordance with Asbestos Regulations. However, it should be noted that this report does not constitute an asbestos survey of the site.

5.1.4 Recommendations & Preliminary Remediation Strategy

5.1.4.1 Human Health

Our assessment, based on eight soil samples, indicates that there are no contaminants requiring remediation and/or precautions to be taken for the proposed development.

5.1.4.2 Controlled Waters

Given the low concentrations of potential contaminants, in our opinion the risks to controlled waters including groundwater are very low and in our opinion no further consideration is warranted.

Should it be necessary for groundwater to be pumped from on-site excavations the groundwater should be sampled and analysed and the groundwater analysis should be submitted to the appropriate waste water authority with a request for a discharge consent. Following receipt of a discharge consent groundwater is likely to be discharged to a sewer or to an off-site licensed discharge point.

5.1.4.3 Short Term Risks

S4ULs, C4SLs and CL:AIRE assume long term contact with contamination and assess long term (chronic) health risk. The risk of short term (acute) exposure to site personnel is dealt with in the remit of the Health and Safety Executive under the Health and Safety at Work Act: 1974 and Regulations made under the Act, including the Control of Substances Hazardous to Health (COSHH) Regulations and the Control of Asbestos Regulations (CAR 2012). The levels of contamination and risk to site personnel should be considered under the Construction Design and Management (CDM) Regulations at the planning stage and in the development of the designers and contractors Health and Safety Plans and Method

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Statements. The risk of contact with on-site soils should be minimised and the following precautions should be taken as a minimum requirement.

Site personnel involved in earthworks and excavations should wear gloves, overalls, boots and dust masks and smoking should be prohibited.

Earthworks undertaken during dry weather might generate dust and, in this instance, dust should be damped down and dust masks made available to site operatives. In addition, stockpiled materials should be sheeted over to prevent excessive airborne dust being formed.

6 CLIMATE CHANGE EFFECTS

The predicted climate change impacts for the UK over the next fifty years include extreme weather patterns (including higher intensity storm events), higher temperatures, increased flooding and sea level rise. These events could conceivably have an impact on groundwater levels, soil desiccation and fissuring, and formation of solution features, which could in turn have an adverse effect on the structural strength of near surface soils, subsidence and heave in shrink-swell clays, fate and transport of soil and groundwater contaminants, and the potential for ingress of vapours and ground gases.

In our opinion the effects of climate change in the near term are unlikely to impact on the risk assessment for the proposed development, however this report should not be relied on for future development projects.

7 GENERAL

In the preparation of this report no consideration has been given to

- the long term stability of the existing slopes and/or retaining structures and the short and long term stability of any proposed slopes and/or retaining structures required for the proposed development
- flora and fauna

as this was outside our brief.

We recommend that consultation should be undertaken with, and the written approval obtained from, the Local Authority Environmental Health Officer and the Local Authority Building Control Officer prior to commencing development.

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We trust that this report fulfils your present requirements but if you have any queries or we can be of further assistance please contact the undersigned or Mr Jonathan Mahoney at our High Wycombe office.

SUB SURFACE CONSULTANTS LIMITED
REPORT No. SE1974A
MAY 2026

L. A. W. McCall - Bhakta B.Sc.(Hons.)
Geotechnical Engineer
For and on behalf of
Sub Surface Consultants Limited

C. A. Marsden B.Sc.(Hons.), C.Eng., M.I.C.E.
Director
For and on behalf of
Sub Surface Consultants Limited

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8 REFERENCES

[1] British Standards Institute (BSI), "BS5930:2015+A1:2020 'Code of Practice for Ground Investigations," 2015.

[2] Environment Agency, "Land Contamination Risk Management," 2025. [Online]. Available: https://www.gov.uk/government/publications/land-contamination-risk-management-lcrm.

[3] British Standards Institution (BSI), "BS 10175: 2026 Investigation of potentially contaminated sites. Code of practice - Code of practice," 2026.

[4] British Standards Institute (BSI), "BS 1377-9:1990 Methods for test for soils for civil engineering purposes - In-situ tests," 1990.

[5] BRE Construction Division, "Concrete in Aggressive Ground (Special Digest 1)," 2005 / 2017.

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INSITU TEST RESULTS

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GROUND INVESTIGATION SPECIALISTS
3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: 01772 561135. www.subsurface.co.uk

Standard Penetration Test Results

Site : RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG

Client : THE RAMSBURY MANOR FOUNDATION

Engineer : GREENWOOD PROJECTS LIMITED

Job Number SE1974A

Sheet 1 / 1

Borehole Number	Base of Borehole (m)	End of Seating Drive (m)	End of Test Drive (m)	Test Type	Seating Blows per 75mm		Blows for each 75mm penetration				Result	Comments
					1	2	1	2	3	4		
BH1	1.50	1.65	1.95	CPT	5	7	8	9	9	9	N=35	
BH1	2.50	2.65	2.90	CPT	3	10	13	15	15	8	51/245mm	
BH1	3.50	3.65	3.95	CPT	4	6	6	9	10	10	N=35	
BH1	4.50	4.65	4.95	SPT	2	3	4	4	5	6	N=19	
BH1	6.00	6.15	6.45	SPT	2	2	2	2	2	3	N=9	
BH1	7.50	7.65	7.95	SPT	2	3	3	4	5	5	N=17	
BH1	9.00	9.15	9.45	SPT	3	6	10	9	8	7	N=34	
BH1	10.50	10.65	10.95	SPT	2	3	5	6	8	8	N=27	
BH2	1.50	1.65	1.95	SPT	1	1	3	3	3	4	N=13	
BH2	2.50	2.65	2.95	SPT	4	5	5	5	6	6	N=22	
BH2	3.50	3.65	3.95	SPT	2	3	4	4	5	5	N=18	
BH2	4.50	4.65	4.95	SPT	3	4	4	5	5	6	N=20	
BH2	6.00	6.15	6.45	SPT	2	4	5	5	6	5	N=21	
BH2	7.50	7.65	7.95	SPT	3	3	5	6	6	5	N=22	
BH2	9.00	9.15	9.45	SPT	4	5	7	7	7	8	N=29	
BH2	10.00	10.15	10.45	SPT	4	5	6	8	8	7	N=29	
BH3	1.50	1.65	1.95	CPT	4	6	6	7	7	9	N=29	
BH3	2.50	2.65	2.95	SPT	3	4	4	3	4	3	N=14	
BH3	3.50	3.65	3.95	SPT	3	3	4	5	4	6	N=19	
BH3	4.50	4.65	4.95	SPT	3	5	4	4	5	6	N=19	
BH3	6.00	6.15	6.45	SPT	2	3	4	4	6	6	N=20	
BH3	7.50	7.65	7.95	SPT	3	4	5	5	6	7	N=23	
BH3	9.00	9.15	9.45	SPT	4	4	5	6	8	8	N=27	
BH3	10.00	10.15	10.45	SPT	4	5	5	7	7	9	N=28	
BH4	1.50	1.65	1.95	CPT	2	2	3	3	4	5	N=15	
BH4	2.50	2.65	2.95	SPT	4	5	7	7	6	5	N=25	
BH4	3.50	3.65	3.95	CPT	2	2	2	2	2	3	N=9	
BH4	4.50	4.65	4.95	SPT	1	2	2	2	3	2	N=9	
BH4	6.00	6.15	6.39	CPT	5	9	12	15	18	5	50/235mm	
BH4	7.50	7.65	7.95	SPT	2	4	4	6	6	7	N=23	
BH4	9.00	9.15	9.45	SPT	3	4	5	5	6	7	N=23	
BH4	10.00	10.15	10.45	SPT	3	5	4	5	5	7	N=21	
BH4	11.50	11.65	11.95	SPT	4	4	5	7	9	10	N=31	
BH5	1.50	1.65	1.95	CPT	2	2	4	6	5	5	N=20	
BH5	2.50	2.65	2.95	CPT	3	5	5	5	6	7	N=23	
BH5	3.50	3.65	3.95	CPT	2	3	4	4	5	5	N=18	
BH5	4.50	4.65	4.95	CPT	1	1	1	1	2	2	N=6	
BH5	6.00	6.15	6.45	SPT	1	1	1	1	1	1	N=4	
BH5	7.50	7.65	7.95	SPT	1	2	3	3	2	2	N=10	
BH5	9.00	9.15	9.45	SPT	2	3	3	4	3	3	N=13	
BH5	10.50	10.65	10.95	SPT	6	3	4	4	4	4	N=16	
BH5	12.00	12.15	12.45	SPT	4	5	6	6	7	7	N=26	

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Site:	RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG	SUB SURFACE GROUND INVESTIGATION SPECIALISTS	
Client:	THE RAMSBURY MANOR FOUNDATION		
Engineer:	GREENWOOD PROJECTS LIMITED	Job Number: SE1974A	Sheet: 1 / 3

SOAKAWAY TEST

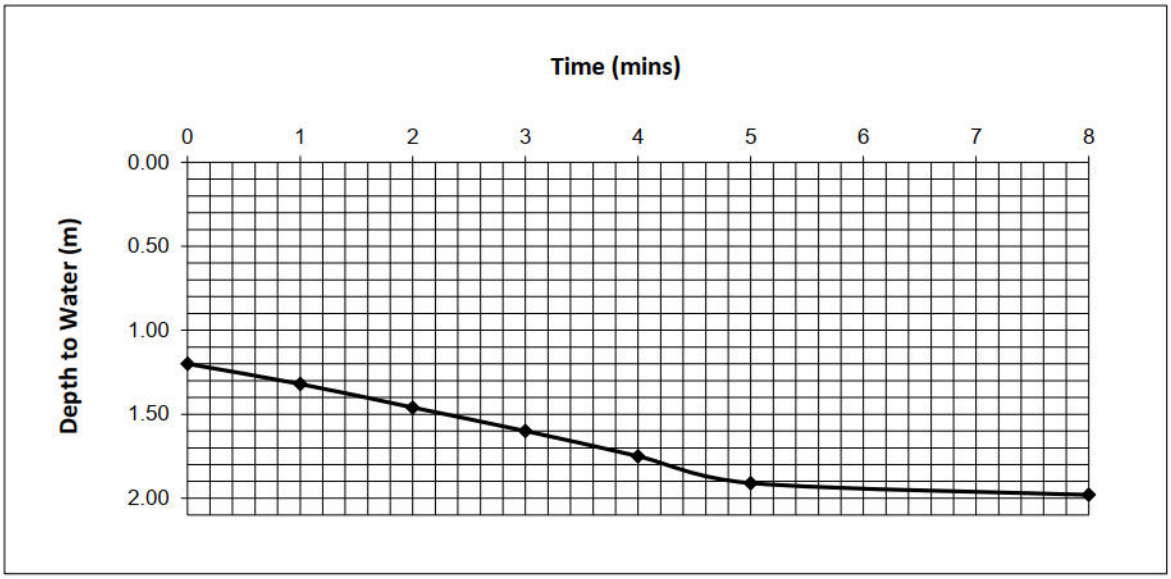
Date: 16/03/26

Position: SA1

Test Number: 1

Test Strata:

Soft to firm brown gravelly silty CLAY. Gravel is angular to subangular fine to coarse flint.



Time (min)	Depth (m)
0	1.20
1	1.32
2	1.46
3	1.60
4	1.75
5	1.91
8	1.98

Length of pit:	L =	1.50	m
Width of pit:	W =	0.50	m
Depth of pit:	D =	2.10	m
Base area of pit:	A =	0.75	m^2
100% effective depth	D100 =	1.20	m
75% effective depth	D75 =	1.43	m
50% effective depth	D50 =	1.65	m
25% effective depth	D25 =	1.88	m
Time to D75	T75 =	107	sec
Time to D25	T25 =	289	sec
Time from D75 to D25 *(T25 - T75)*	t_{p75-25} =	182	sec
Volume between D75 & D25 *(A x (D25 - D75)) x 30%*	V_{p75-25} =	0.34	m^3
Surface area to D50 inc. base *((2x(D-D50)x(W+L)) + A)*	a_{p50} =	2.55	m^2

SOIL INFILTRATION RATE $f = \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}}$

f = 7.29E-04 m/sec

Remarks:	Operator:	Checked:	Approved:
	JM	CAM	CAM

Site:	RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG	SUB SURFACE GROUND INVESTIGATION SPECIALISTS	
Client:	THE RAMSBURY MANOR FOUNDATION		
Engineer:	GREENWOOD PROJECTS LIMITED	Job Number: SE1974A	Sheet: 2/3

SOAKAWAY TEST

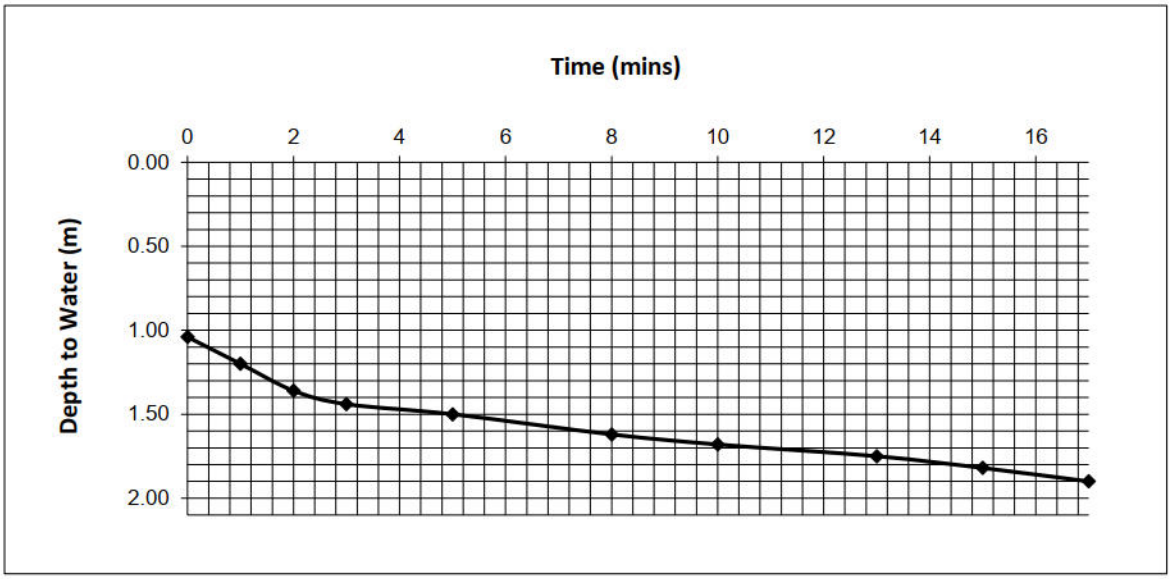
Date: 16/03/26

Position: SA1

Test Number: 2

Test Strata:

Soft to firm brown gravelly silty CLAY. Gravel is angular to subangular fine to coarse flint.



Time (min)	Depth (m)
0	1.04
1	1.20
2	1.36
3	1.44
5	1.50
8	1.62
10	1.68
13	1.75
15	1.82
17	1.90

Length of pit:	L =	1.50	m
Width of pit:	W =	0.50	m
Depth of pit:	D =	2.10	m
Base area of pit:	A =	0.75	m^2
100% effective depth	D100 =	1.04	m
75% effective depth	D75 =	1.31	m
50% effective depth	D50 =	1.57	m
25% effective depth	D25 =	1.84	m
Time to D75	T75 =	101	sec
Time to D25	T25 =	930	sec
Time from D75 to D25 *(T25 - T75)*	t_{p75-25} =	829	sec
Volume between D75 & D25 *(A x (D25 - D75)) x 30%*	V_{p75-25} =	0.40	m^3
Surface area to D50 inc. base *((2x(D-D50)x(W+L)) + A)*	a_{p50} =	2.87	m^2

SOIL INFILTRATION RATE $f = \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}}$

f = 1.67E-04 m/sec

Remarks:	Operator:	Checked:	Approved:
	JM	CAM	CAM

Site:	RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG	SUB SURFACE GROUND INVESTIGATION SPECIALISTS	
Client:	THE RAMSBURY MANOR FOUNDATION		
Engineer:	GREENWOOD PROJECTS LIMITED	Job Number: SE1974A	Sheet: 3/3

SOAKAWAY TEST

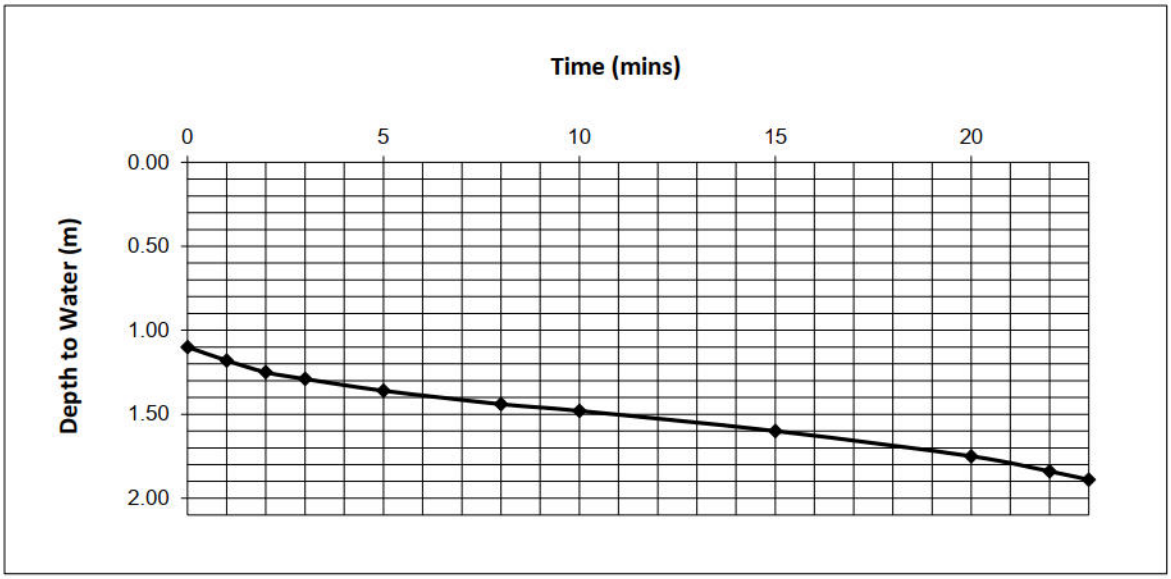
Date: 16/03/26

Position: SA1

Test Number: 3

Test Strata:

Soft to firm brown gravelly silty CLAY. Gravel is angular to subangular fine to coarse flint.



Time (min)	Depth (m)
0	1.10
1	1.18
2	1.25
3	1.29
5	1.36
8	1.44
10	1.48
15	1.60
20	1.75
22	1.84
23	1.89

Length of pit:	L =	1.50	m
Width of pit:	W =	0.50	m
Depth of pit:	D =	2.10	m
Base area of pit:	A =	0.75	m^2
100% effective depth	D100 =	1.10	m
75% effective depth	D75 =	1.35	m
50% effective depth	D50 =	1.60	m
25% effective depth	D25 =	1.85	m
Time to D75	T75 =	283	sec
Time to D25	T25 =	1332	sec
Time from D75 to D25 *(T25 - T75)*	t_{p75-25} =	1049	sec
Volume between D75 & D25 *(A x (D25 - D75)) x 30%*	V_{p75-25} =	0.38	m^3
Surface area to D50 inc. base *((2x(D-D50)x(W+L)) + A)*	a_{p50} =	2.75	m^2

SOIL INFILTRATION RATE $f = \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}}$

f = 1.30E-04 m/sec

Remarks:	Operator:	Checked:	Approved:
	JM	CAM	CAM

Site:	RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG	SUB SURFACE GROUND INVESTIGATION SPECIALISTS	
Client:	THE RAMSBURY MANOR FOUNDATION		
Engineer:	GREENWOOD PROJECTS LIMITED	Job Number: SE1974A	Sheet: 1 / 2

SOAKAWAY TEST

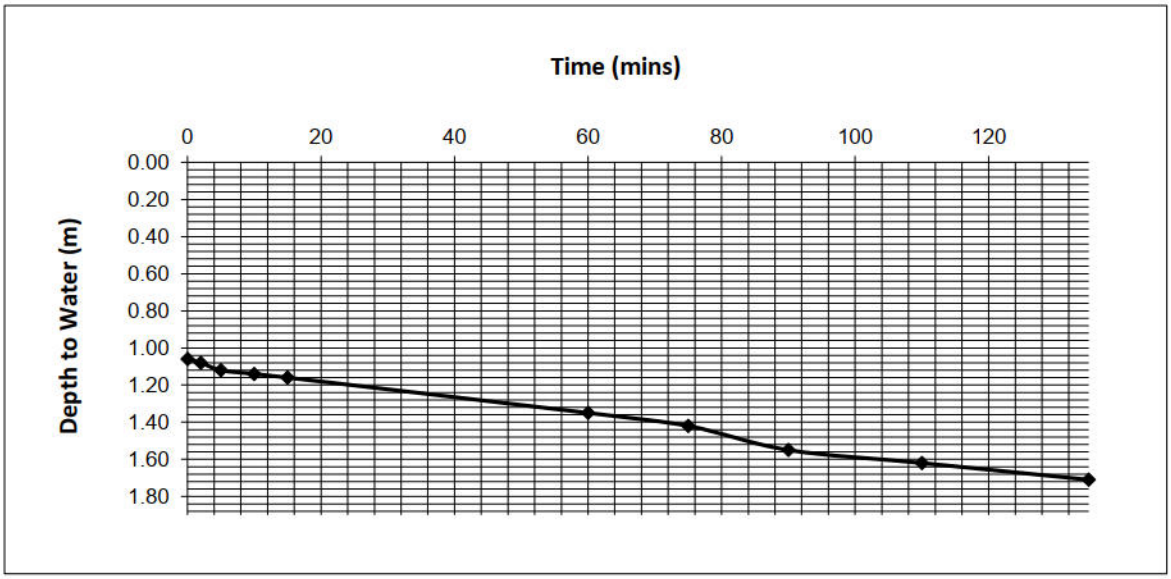
Date: 16/03/26

Position: SA2

Test Number: 1

Test Strata:

Soft to firm brown slightly gravelly silty CLAY. Gravel is angular to subangular fine to coarse flint.



Time (min)	Depth (m)
0	1.06
2	1.08
5	1.12
10	1.14
15	1.16
60	1.35
75	1.42
90	1.55
110	1.62
135	1.71

Length of pit:	L =	1.40	m
Width of pit:	W =	0.50	m
Depth of pit:	D =	1.90	m
Base area of pit:	A =	0.70	m^2
100% effective depth	D100 =	1.06	m
75% effective depth	D75 =	1.27	m
50% effective depth	D50 =	1.48	m
25% effective depth	D25 =	1.69	m
Time to D75	T75 =	2463	sec
Time to D25	T25 =	7767	sec
Time from D75 to D25 *(T25 - T75)*	t_{p75-25} =	5304	sec
Volume between D75 & D25 *(A x (D25 - D75)) x 30%*	V_{p75-25} =	0.29	m^3
Surface area to D50 inc. base *((2x(D-D50)x(W+L)) + A)*	a_{p50} =	2.30	m^2

SOIL INFILTRATION RATE $f = \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}}$

f = 2.41E-05 m/sec

Remarks:	Operator:	Checked:	Approved:
	JM	CAM	CAM

Site:	RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG	SUB SURFACE GROUND INVESTIGATION SPECIALISTS	
Client:	THE RAMSBURY MANOR FOUNDATION		
Engineer:	GREENWOOD PROJECTS LIMITED	Job Number: SE1974A	Sheet: 2/2

SOAKAWAY TEST

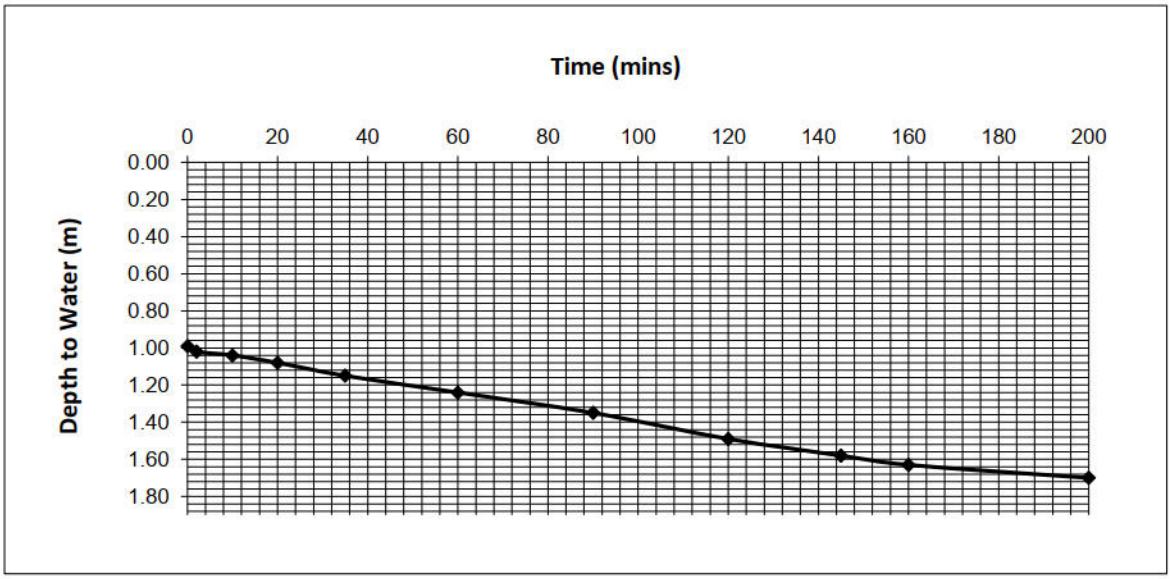
Date: 16/03/26

Position: SA2

Test Number: 2

Test Strata:

Soft to firm brown slightly gravelly silty CLAY. Gravel is angular to subangular fine to coarse flint.



Time (min)	Depth (m)
0	0.99
2	1.02
10	1.04
20	1.08
35	1.15
60	1.24
90	1.35
120	1.49
145	1.58
160	1.63
200	1.70

Length of pit:	L =	1.40	m
Width of pit:	W =	0.50	m
Depth of pit:	D =	1.90	m
Base area of pit:	A =	0.70	m^2
100% effective depth	D100 =	0.99	m
75% effective depth	D75 =	1.22	m
50% effective depth	D50 =	1.45	m
25% effective depth	D25 =	1.67	m
Time to D75	T75 =	3267	sec
Time to D25	T25 =	10971	sec
Time from D75 to D25 *(T25 - T75)*	t_{p75-25} =	7704	sec
Volume between D75 & D25 *(A x (D25 - D75)) x 30%*	V_{p75-25} =	0.32	m^3
Surface area to D50 inc. base *((2x(D-D50)x(W+L)) + A)*	a_{p50} =	2.43	m^2

SOIL INFILTRATION RATE $f = \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}}$

f = 1.70E-05 m/sec

Remarks:	Operator:	Checked:	Approved:
	JM	CAM	CAM

Site:	RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILSHIRE, SN8 2RG
Client:	THE RAMSBURY MANOR FOUNDATION
Engineer:	GREENWOOD PROJECTS LIMITED

SUB SURFACE
GROUND INVESTIGATION SPECIALISTS

Job Number:	**Sheet:**
SE1974A	1 / 1

GROUNDWATER MONITORING RESULTS SHEET

Date	Hole Number	Standpipe Depth (m)	Response Zone (m)	Depth to Groundwater (m)
16/03/2026	BH2	5.10	1.00 to 5.10	DRY
	BH5	5.01	1.00 to 5.01	DRY
28/04/2026	BH2	5.10	1.00 to 5.10	DRY
	BH5	5.01	1.00 to 5.01	DRY

Remarks:

LABORATORY TEST RESULTS

SUB SURFACE
GROUND INVESTIGATION SPECIALISTS
3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: 01772 561135. www.subsurface.co.uk

Laboratory Test Results

Site : RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG

Client : THE RAMSBURY MANOR FOUNDATION

Engineer : GREENWOOD PROJECTS LIMITED

Job Number SE1974A

Sheet 1 / 1

DETERMINATION OF MOISTURE CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY AND LIQUIDITY INDEX

Borehole/ Trial Pit	Depth (m)	Sample	Natural Moisture Content %	Sample Passing 425µm Sieve		Liquid Limit %	Plastic Limit %	Plasticity Index %	Liquidity Index	Group Symbol	Laboratory Description
				Percentage %	Moisture Content %						
BH1	4.50	D	23	89	26	46	24	22	0.08	CI	Stiff to very stiff brown slightly gravelly slightly sandy CLAY. Gravel is angular to subrounded fine to coarse flint.
BH2	1.00	D	19	42	45	40	20	20	1.26	CI	Firm to stiff brown slightly gravelly slightly sandy CLAY with occasional bands of very clayey gravel. Gravel is angular to subrounded fine to coarse flint.
BH3	1.50	D	21	47	45	43	21	22	1.08	CI	Stiff brown gravelly slightly sandy CLAY with occasional bands of very clayey gravel. Gravel is angular to subrounded fine to coarse flint and chalk.

Method of Preparation : BS 1377:PART 1:1990:7.4 Preparation of samples for classification tests BS 1377:PART 2:1990:4.2 & 5.2 Sample preparations

Method of Test : BS 1377:PART 2:1990:3 Determination of moisture content 1990:4 Determination of the liquid limit BS 1377:PART 2:1990:5 Determination of the plastic limit and plasticity index

Remarks :

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Laboratory Test Results

Site : RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG

Client : THE RAMSBURY MANOR FOUNDATION

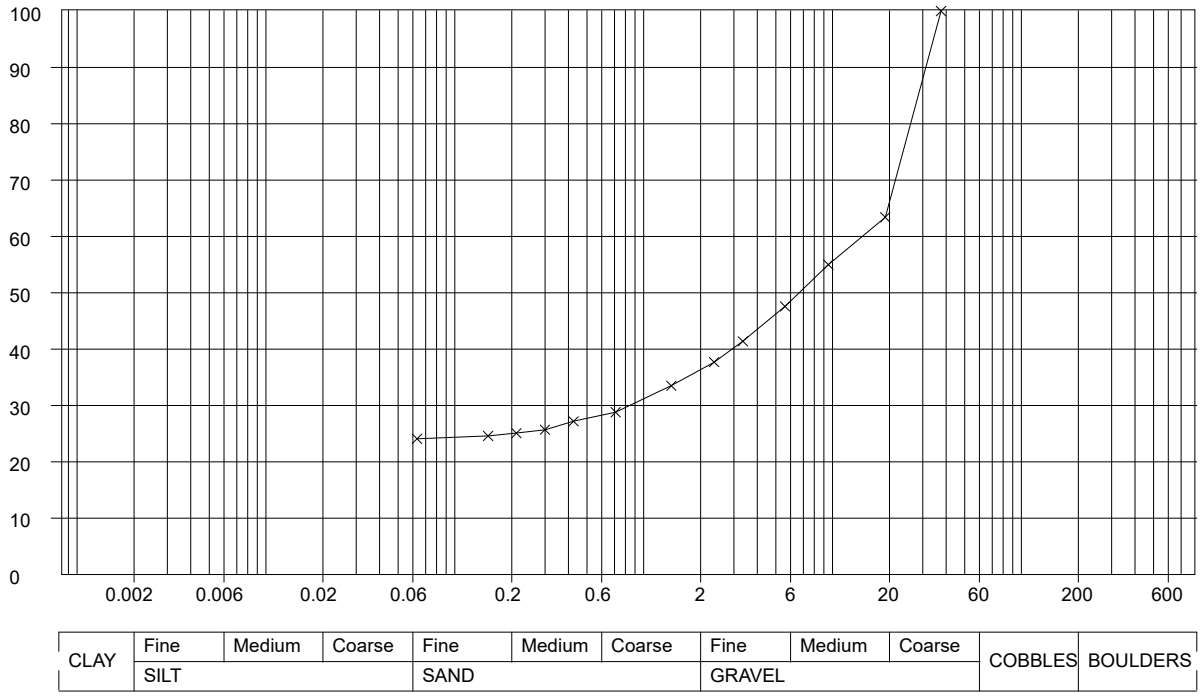
Engineer : GREENWOOD PROJECTS LIMITED

Job Number SE1974A

Sheet 1/3

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Borehole / Trial Pit	Depth (m)	Sample	Laboratory Description
BH1	2.00	D	Brown very clayey sandy angular to subangular fine to coarse flint GRAVEL with occasional flint cobbles.



Sieve / Particle Size	% Passing
37.5 mm	100.0
19 mm	63.4
9.5 mm	55.0
5.6 mm	47.6
3.35 mm	41.4
2.36 mm	37.7
1.4 mm	33.5
710 µm	28.8
425 µm	27.2
300 µm	25.7
212 µm	25.1
150 µm	24.6
63 µm	24.1

Grading Analysis	
D85	29.9 mm
D60	15.2 mm
D10	<63.0 µm
Uniformity Coefficient	-

Particle Proportions	
Cobbles + Boulders	-
Gravel	63.6%
Sand	12.3%
Silt/Clay	24.1%

Method of Preparation : BS 1377:PART 1:1990:7.3 Initial preparation 1990:7.4.5 Particle size tests

Method of Test : BS 1377:PART 2:1990:9 Determination of particle size distribution

Remarks :

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3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: 01772 561135. www.subsurface.co.uk

Laboratory Test Results

Site : RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG

Client : THE RAMSBURY MANOR FOUNDATION

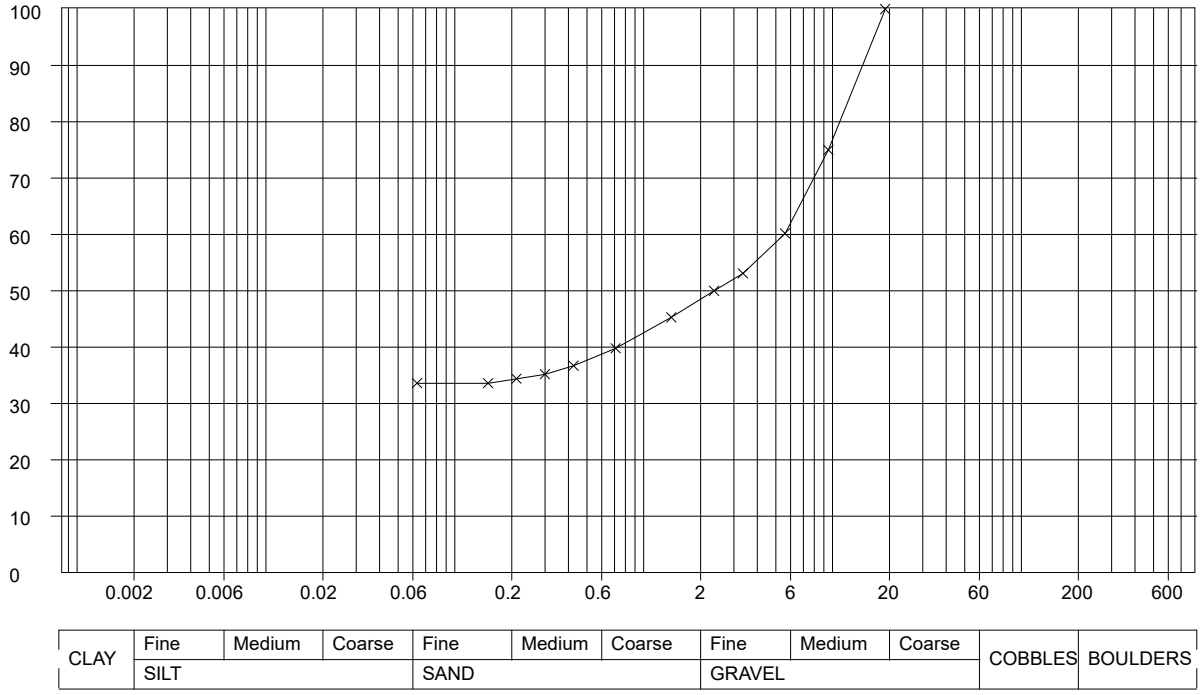
Engineer : GREENWOOD PROJECTS LIMITED

Job Number SE1974A

Sheet 2/3

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Borehole / Trial Pit	Depth (m)	Sample	Laboratory Description
BH4	2.50	D	Brown and dark brown very clayey sandy angular to subangular fine to medium flint GRAVEL with occasional pockets of gravelly clay.



Sieve / Particle Size	% Passing
19 mm	100.0
9.5 mm	75.0
5.6 mm	60.2
3.35 mm	53.1
2.36 mm	50.0
1.4 mm	45.3
710 µm	39.8
425 µm	36.7
300 µm	35.2
212 µm	34.4
150 µm	33.6
63 µm	33.6

Grading Analysis	
D85	13.3 mm
D60	5.5 mm
D10	<63.0 µm
Uniformity Coefficient	-

Particle Proportions	
Cobbles + Boulders	-
Gravel	51.5%
Sand	14.9%
Silt/Clay	33.6%

Method of Preparation : BS 1377:PART 1:1990:7.3 Initial preparation 1990:7.4.5 Particle size tests

Method of Test : BS 1377:PART 2:1990:9 Determination of particle size distribution

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Laboratory Test Results

Site : RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG

Client : THE RAMSBURY MANOR FOUNDATION

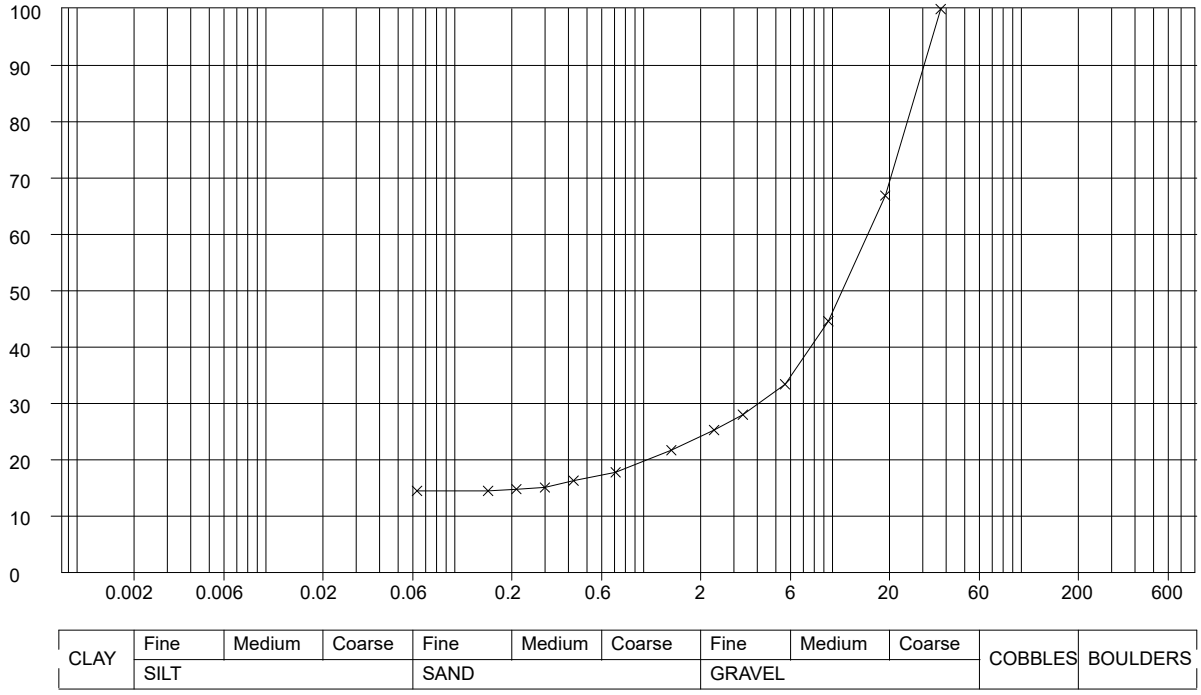
Engineer : GREENWOOD PROJECTS LIMITED

Job Number SE1974A

Sheet 3/3

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Borehole / Trial Pit	Depth (m)	Sample	Laboratory Description
BH5	4.50	D	Dark brown clayey sandy angular to rounded fine to coarse flint GRAVEL.



Sieve / Particle Size	% Passing
37.35 mm	100.0
19 mm	66.9
9.5 mm	44.6
5.6 mm	33.4
3.35 mm	28.0
2.36 mm	25.3
1.4 mm	21.7
710 µm	17.8
425 µm	16.3
300 µm	15.1
212 µm	14.8
150 µm	14.5
63 µm	14.5

Grading Analysis	
D85	29.0 mm
D60	16.1 mm
D10	<63.0 µm
Uniformity Coefficient	-

Particle Proportions	
Cobbles + Boulders	-
Gravel	75.8%
Sand	9.7%
Silt/Clay	14.5%

Method of Preparation : BS 1377:PART 1:1990:7.3 Initial preparation 1990:7.4.5 Particle size tests

Method of Test : BS 1377:PART 2:1990:9 Determination of particle size distribution

Remarks :

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SITE INVESTIGATION AND SPECIALIST GEOTECHNICAL CONSULTANTS
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Laboratory Test Results

Site: RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY

Client: THE RAMSBURY MANOR FOUNDATION

Engineer: GREENWOOD PROJECTS LIMITED

Job Number: SE1974A

Sheet: 1/3

CALIFORNIA BEARING RATIO

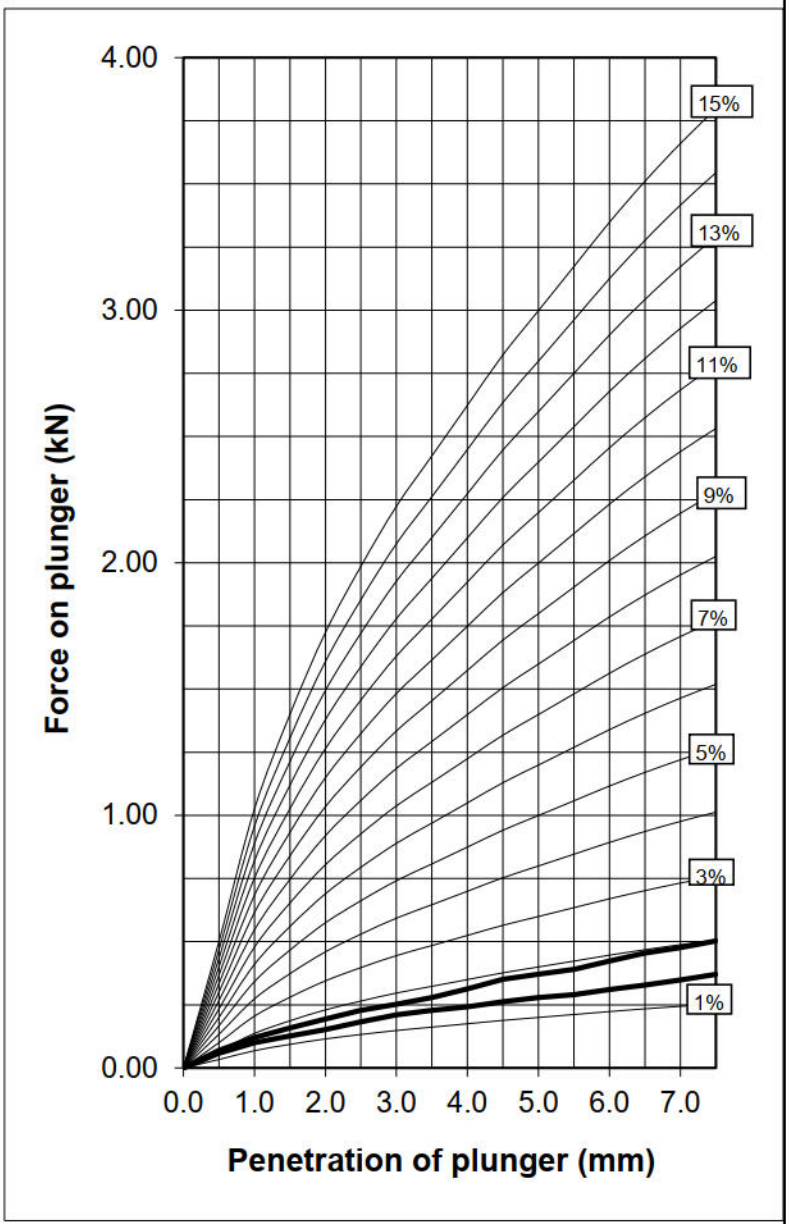
Position: SA 1 Sample No: Depth: 0.60 m

Description:

Brown gravelly silty CLAY. Gravel is angular to subangular fine to coarse flint.

Preparation of sample: 4.5 Kg Rammer Method

Penetration of Plunger mm	Force on Plunger			
	Top	kN Top	Bottom	kN Bottom
0.0	0.0	0.00	0.0	0.00
0.5	17.5	0.07	14.5	0.06
1.0	30.0	0.12	25.0	0.10
1.5	39.5	0.16	31.5	0.13
2.0	48.5	0.19	38.0	0.15
2.5	57.0	0.23	45.5	0.18
3.0	63.0	0.25	52.5	0.21
3.5	69.5	0.28	57.0	0.23
4.0	78.0	0.31	60.5	0.24
4.5	87.5	0.35	65.5	0.26
5.0	92.5	0.37	69.5	0.28
5.5	97.5	0.39	72.5	0.29
6.0	105.5	0.42	77.5	0.31
6.5	113.5	0.45	82.0	0.33
7.0	119.0	0.48	87.0	0.35
7.5	125.5	0.50	92.5	0.37



	CBR % Value at:	
	2.5mm	5.0mm
Top	1.7%	1.9%
Bottom	1.4%	1.4%
CBR %	**1.6%**	

Passing 20mm Sieve = **81 %**

Moisture Content = **17 %**

Bulk Density = **2.09 Mg/m^3**

Dry Density = **1.79 Mg/m^3**

Comments:	Operator	Checked	Approved
	GDR & SJG	CAM	CAM

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Laboratory Test Results

Site: RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY

Client: THE RAMSBURY MANOR FOUNDATION

Engineer: GREENWOOD PROJECTS LIMITED

Job Number: SE1974A

Sheet: 2/3

CALIFORNIA BEARING RATIO

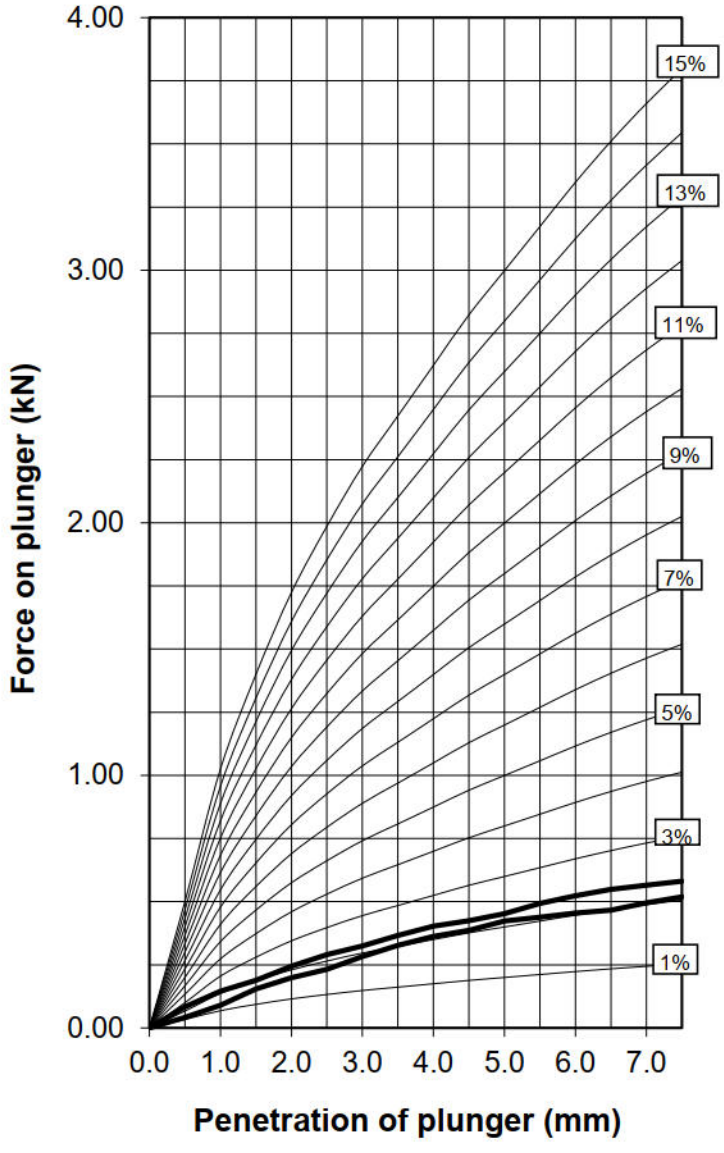
Position: SA 2 Sample No: Depth: 0.50 m

Description:

Brown slightly gravelly silty CLAY. Gravel is angular to subangular fine to coarse flint.

Preparation of sample: 4.5 Kg Rammer Method

Penetration of Plunger mm	Force on Plunger			
	Top	kN Top	Bottom	kN Bottom
0.0	0.0	0.00	0.0	0.00
0.5	21.0	0.08	10.5	0.04
1.0	36.5	0.15	22.5	0.09
1.5	47.0	0.19	38.5	0.15
2.0	61.0	0.24	49.5	0.20
2.5	72.5	0.29	58.0	0.23
3.0	81.0	0.32	70.5	0.28
3.5	91.5	0.37	81.5	0.33
4.0	100.5	0.40	90.5	0.36
4.5	106.0	0.42	96.5	0.39
5.0	113.0	0.45	105.5	0.42
5.5	123.0	0.49	109.5	0.44
6.0	130.5	0.52	113.5	0.45
6.5	137.0	0.55	116.5	0.47
7.0	141.0	0.57	123.5	0.49
7.5	145.0	0.58	129.5	0.52



	CBR % Value at:	
	2.5mm	5.0mm
Top	2.2%	2.3%
Bottom	1.8%	2.1%
CBR %	**2.2%**	

Passing 20mm Sieve = **95 %**

Moisture Content = **24 %**

Bulk Density = **1.96 Mg/m^3**

Dry Density = **1.58 Mg/m^3**

Comments:	Operator	Checked	Approved
	GDR & SJG	CAM	CAM

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Laboratory Test Results

Site: RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY

Client: THE RAMSBURY MANOR FOUNDATION

Engineer: GREENWOOD PROJECTS LIMITED

Job Number: SE1974A

Sheet: 3/3

CALIFORNIA BEARING RATIO

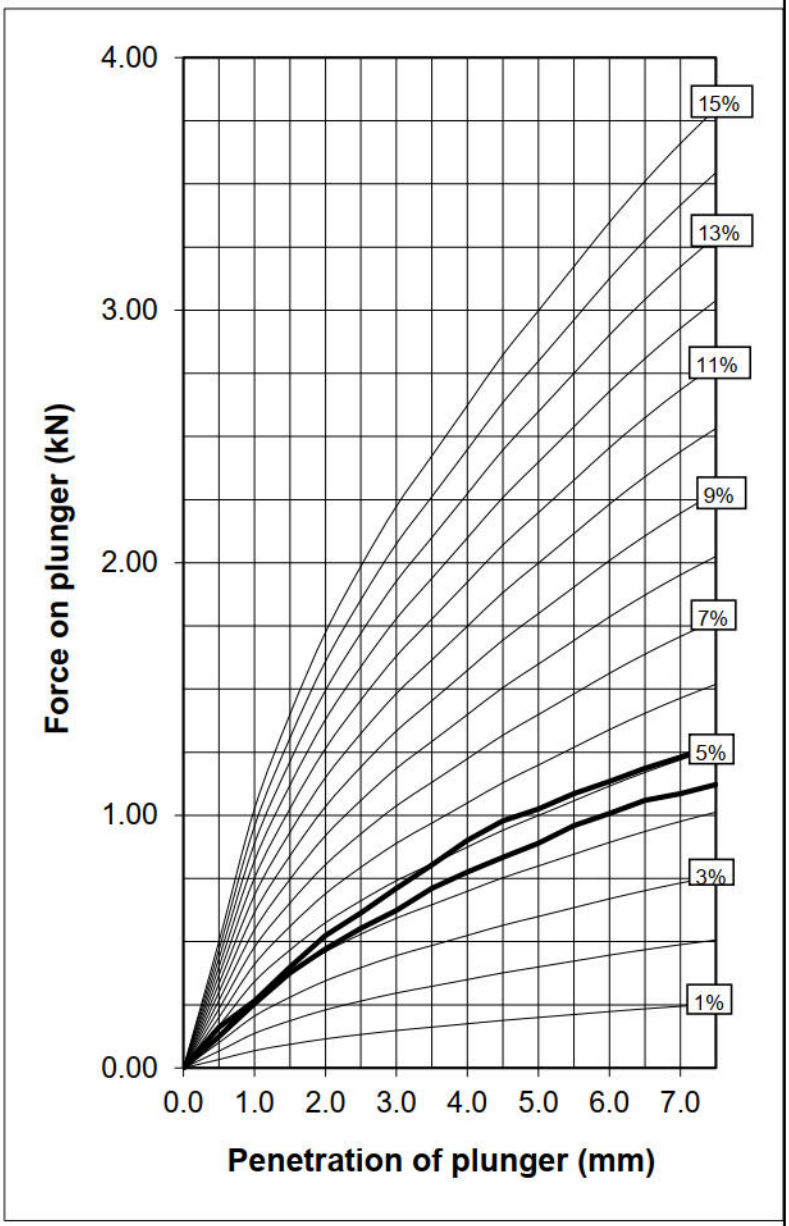
Position: TP 3 Sample No: Depth: 0.90 m

Description:

Brown very clayey slightly sandy angular to subangular fine to coarse flint GRAVEL with some bands of gravelly clay.

Preparation of sample: 4.5 Kg Rammer Method

Penetration of Plunger mm	Force on Plunger			
	Top	kN Top	Bottom	kN Bottom
0.0	0.0	0.00	0.0	0.00
0.5	31.0	0.12	40.0	0.16
1.0	63.5	0.25	66.0	0.26
1.5	94.0	0.38	99.5	0.40
2.0	117.5	0.47	131.0	0.52
2.5	138.0	0.55	153.0	0.61
3.0	155.5	0.62	177.5	0.71
3.5	177.5	0.71	200.5	0.80
4.0	193.5	0.78	225.0	0.90
4.5	208.0	0.83	244.0	0.98
5.0	222.0	0.89	256.0	1.03
5.5	239.5	0.96	271.0	1.09
6.0	251.5	1.01	283.0	1.13
6.5	264.5	1.06	296.0	1.19
7.0	271.0	1.09	307.0	1.23
7.5	280.0	1.12	319.5	1.28



	CBR % Value at:	
	2.5mm	5.0mm
Top	4.2%	4.4%
Bottom	4.6%	5.1%
CBR %	**4.8%**	

Passing 20mm Sieve = **78 %**

Moisture Content = **16 %**

Bulk Density = **2.11 Mg/m^3**

Dry Density = **1.81 Mg/m^3**

Comments:	Operator	Checked	Approved
	GDR & SJG	CAM	CAM

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Laboratory Test Results

Site : RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG

Client : THE RAMSBURY MANOR FOUNDATION

Engineer : GREENWOOD PROJECTS LIMITED

Job Number SE1974A

Sheet 1 / 1

DETERMINATION OF pH, SULPHATE CONTENT AND TOTAL SULPHUR OF SOIL AND GROUNDWATER AND MAGNESIUM, CHLORIDE, AMMONIA AND NITRATE CONTENT

Borehole/ Trial Pit	Depth (m)	Sample	Concentration of Sulphate			Total Sulphur %	Magnesium mg/l	Ammonium NH4 mg/l	Water Soluble Chloride mg/l	Water Soluble Nitrate mg/l	pH	Design Class	Laboratory Description
			Soil		Ground Water g /l								
			Total S03 %	S04 in 2:1 water:soil g /l									
BH1	1.50	D		0.02							8.4	DS-1	Firm to stiff brown and dark brown gravelly slightly sandy CLAY with occasional bands of very clayey gravel. Gravel is angular to subangular fine to coarse flint.
BH1	6.00	D		0.02							8.8	DS-1	Structureless CHALK composed of cream and light brownish cream gravelly slightly sandy SILT. Gravel is very weak to weak low to medium density cream and subrounded occasional angular medium to coarse flint gravel. Locally with bands of clay (Grade Dm).
BH2	1.00	D		0.01							8.4	DS-1	Firm to stiff brown slightly gravelly slightly sandy CLAY with occasional bands of very clayey gravel. Gravel is angular to subrounded fine to coarse flint.
BH3	2.00	D		0.02							8.7	DS-1	Stiff brown gravelly slightly sandy CLAY with occasional bands of very clayey gravel. Gravel is angular to subrounded fine to coarse flint and chalk.
BH4	3.50	D		0.01							8.5	DS-1	Brown and dark brown very clayey sandy angular to subangular fine to medium flint GRAVEL with occasional pockets of gravelly clay.
BH5	2.00	D		<0.01							8.5	DS-1	Brown and dark brown very clayey sandy angular to rounded fine to coarse flint GRAVEL with occasional pockets and bands of gravelly clay.
BH5	3.50	D		<0.01							8.6	DS-1	Brown and dark brown very clayey sandy angular to rounded fine to coarse flint GRAVEL with occasional pockets and bands of gravelly clay.
TP3	1.50	B		<0.01							8.2	DS-1	Brown very clayey slightly sandy angular to subangular fine to coarse flint GRAVEL with some bands of gravelly clay.

Method of Preparation : BS 1377:PART 1:1990:7.5 Preparation of soil for chemical tests BS 1377:PART 3:1990:5.2, 5.3, 5.4 & 9.4

Method of Test : BS 1377:PART 3:1990:5 Determination of the sulphate content of soil and ground water BS 1377:PART 3:1990:9 Determination of the pH value, BRE 279 (1995) Total sulphur: In-house method based on BS1377 for chloride and nitrate

Remarks :

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Table C1 Aggressive Chemical Environment for Concrete (ACEC) classification for natural ground locations[a]

Sulfate				Groundwater		ACEC
Design Sulfate Class for location	2:1 water/soil extract[b]	Groundwater	Total potential sulfate[c]	Static water	Mobile water	Class for location
1	2 (SO_4 mg/l)	3 (SO_4 mg/l)	4 (SO_4 %)	5 (pH)	6 (pH)	7
DS-1	< 500	< 400	< 0.24	≥ 2.5		AC-1s
					> 5.5[d]	AC-1[d]
					2.5–5.5	AC-2z
DS-2	500–1500	400–1400	0.24–0.6	> 3.5		AC-1s
					> 5.5	AC-2
				2.5–3.5		AC-2s
					2.5–5.5	AC-3z
DS-3	1600–3000	1500–3000	0.7–1.2	> 3.5		AC-2s
					> 5.5	AC-3
				2.5–3.5		AC-3s
					2.5–5.5	AC-4
DS-4	3100–6000	3100–6000	1.3–2.4	> 3.5		AC-3s
					> 5.5	AC-4
				2.5–3.5		AC-4s
					2.5–5.5	AC-5
DS-5	> 6000	> 6000	> 2.4	> 3.5		AC-4s
				2.5–3.5	≥ 2.5	AC-5

Notes

a Applies to locations on sites that comprise either undisturbed ground that is in its natural state (ie is not brownfield – Table C2) or clean fill derived from such ground.

b The limits of Design Sulfate Classes based on 2:1 water/soil extracts have been lowered relative to previous Digests (Box C1).

c Applies only to locations where concrete will be exposed to sulfate ions (SO_4) which may result from the oxidation of sulfides (eg pyrite) following ground disturbance (Appendix A1 and Box C3).

d For flowing water that is potentially aggressive to concrete owing to high purity or an aggressive carbon dioxide level greater than 1.5 mg/l (Section C2.7.3), increase the ACEC Class to AC-3z.

Explanation of suffix symbols to ACEC Class

- Suffix 's' indicates that the water has been classified as static.
- Concrete placed in ACEC Classes that include the suffix 's' ordinarily have to resist acid conditions and may be made with any of the cements or combinations listed in Table D2 on page 42.

Table C2 Aggressive Chemical Environment for Concrete (ACEC) classification for brownfield locations[a]

Sulfate and magnesium						Groundwater		ACEC
Design Sulfate Class for location	2:1 water/soil extract[b]		Groundwater		Total potential sulfate[c]	Static water	Mobile water	Class for location
1	2 (SO_4 mg/l)	3 (Mg mg/l)	4 (SO_4 mg/l)	5 (Mg mg/l)	6 (SO_4 %)	7 (pH)[d]	8 (pH)[d]	9
DS-1	< 500		< 400		< 0.24	≥ 2.5		AC-1s
							> 6.5[e]	AC-1
							5.5–6.5	AC-2z
							4.5–5.5	AC-3z
							2.5–4.5	AC-4z
DS-2	500–1500		400–1400		0.24–0.6	> 5.5		AC-1s
							> 6.5	AC-2
						2.5–5.5		AC-2s
							5.5–6.5	AC-3z
							4.5–5.5	AC-4z
							2.5–4.5	AC-6z
DS-3	1600–3000		1500–3000		0.7–1.2	> 5.5		AC-2s
							> 6.5	AC-3
						2.5–5.5		AC-3z
							5.5–6.5	AC-4
							2.5–5.5	AC-5
DS-4	3100–6000	≤ 1200	3100–6000	≤ 1000	1.3–2.4	> 5.5		AC-3z
							> 6.5	AC-4
						2.5–5.5		AC-4z
							2.5–6.5	AC-5
DS-4m	3100–6000	> 1200[f]	3100–6000	> 1000[f]	1.3–2.4	> 5.5		AC-3z
							> 6.5	AC-4m
						2.5–5.5		AC-4mz
							2.5–6.5	AC-5m
DS-5	> 6000	≤ 1200	> 6000	≤ 1000	> 2.4	> 5.5		AC-4z
						2.5–6.5	≥ 2.5	AC-5
DS-5m	> 6000	> 1200[f]	> 6000	> 1000[f]	> 2.4	> 5.5		AC-4mz
						2.5–6.5	≥ 2.5	AC-5m

Notes

a Brownfield locations are those sites, or parts of sites, that might contain chemical residues produced by or associated with industrial production (Section C1.1.3).

b The limits of Design Sulfate Class are based on 2:1 water/soil extracts have been lowered from previous Digests (Box C1).

c Applies only to locations where concrete will be exposed to sulfate ions (SO_4), which may result from the oxidation of sulfides such as pyrite, following ground disturbance (Appendix A1 and Box C3).

d An additional or equivalent allowance of hydrochloric and nitric acids by adjustment to sulfate content (Section C1.1.3).

e The limit on water-soluble magnesium does not apply to brackish groundwater (chloride content between 17 000 mg/l and 17 000 mg/l). This allows 'm' to be omitted from the relevant ACEC classification. Seawater (chloride content about 18 000 mg/l) and stronger brines are not covered by this table.

Explanation of suffix symbols to ACEC Class

- Suffix 's' indicates that the water has been classified as static.
- Concrete placed in ACEC Classes that include the suffix 's' have primarily to resist acid conditions and may be made with one of the cements in Table D2 on page 42.
- Suffix 'm' relates to the higher levels of magnesium in Design Sulfate Classes 4 and 5.

Laboratory Report

Contract Number: 85604

Client Ref: **SE1974**
Client PO: **SE1974**

Date Received: **25-03-2026**
Date Completed: **31-03-2026**
Report Date: **31-03-2026**

Client: **Sub Surface Laboratories Limited**

Contract Title: **Ramsbury Exhibition Centre, Whites Hill, Ramsbury SN8 2RG**
For the attention of: **Jonathan Mahoney**

This report has been checked and approved by:

Darren Bourne
Quality Senior Technician

Description	Qty
Saturated Moisture Content of chalk (SMC) BS 1377:1990 - Part 2 : 3.3 - * UKAS	6

Notes: **Observations and Interpretations are outside the UKAS Accreditation**
*** - denotes test included in laboratory scope of accreditation**
- denotes test carried out by approved contractor
@ - denotes non accredited tests

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Approved Signatories:
Brendan Evans (Business Support Co-ordinator) - Darren Bourne (Quality Senior Technician) - Jason Jenkins (Business Development Manager)
Luke Williams (Senior Laboratory Technician) - Paul Evans (Director) - Richard John (Quality/Technical Manager)
Shaun Jones (Laboratory manager) - Shaun Thomas (Site Manager) - Vince Williams (Site Technician)
Wayne Honey (HR & HSE Manager)

GEO Site & Testing Services Ltd
Unit 3-4 Heol Aur, Dafen Ind Est, Llanelli, Carmarthenshire SA14 8QN
Tel: 01554 784 040 Fax: 01554 784 040 info@gstl.co.uk https://gstl.co.uk

GSTL	Saturation Moisture Content of Chalk BS 1377 : Part 2 : 1990 Section 3.3	
Contract Number	85604	
Project Name	Ramsbury Exhibition Centre, Whites Hill, Ramsbury SN8 2RG	
Date Tested	31/03/2026	

Borehole/Trial Pit Number	Sample Number	Sample Type	Depth (m)			Moisture Content	Bulk Density	Dry Density	Saturated Moisture Content	Remarks
BH02		D	9.00	-		25	2.00	1.61	25	NON-STANDARD
BH03		D	6.00	-		25	1.97	1.57	27	NON-STANDARD
BH03		D	9.00	-		22	2.01	1.65	24	NON-STANDARD
BH04		D	7.50	-		19	2.06	1.72	21	NON-STANDARD
BH04		D	11.50	-		24	2.03	1.64	24	NON-STANDARD
BH05		D	7.50	-		26	1.93	1.53	28	NON-STANDARD
				-						
				-						
				-						
				-						
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				-						

Key	Reported As	Clause
Moisture Content	%	3.2
Bulk Density	Mg/m^3	7.2
Dry Density	Mg/m^3	7.2
SMC	%	3.3.6

If there is a NON-STANDARD in the remarks next to the reported SMC result this means there was no lump of chalk of sufficient volume (300mL-500mL) present in the samples received to meet the testing requirements of the stated standard.

Operator
Emyr A.

CONTAMINATION ANALYSIS RESULTS

Certificate of Analysis

Certificate Number	26-07032	*Issued:*	02-Apr-26

Client Sub Surface Laboratories Ltd
3 Peel Street
Preston
Lancashire
PR2 2QS

Our Reference	26-07032
Client Reference ~	SE1974
Order No ~	(not supplied)
Contract Title ~	Ramsbury Exhibition Centre, Whites Hill, Ramsbury
Description	4 Soil samples.
Date Received	24-Mar-26
Date Started	24-Mar-26
Date Completed	02-Apr-26
Test Procedures	Identified by prefix DETSn (details on request).

Notes Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved By

Reyhan Irfan
Operations Manager

2139

Summary of Chemical Analysis
Soil Samples

Our Ref 26-07032
Client Ref ~ SE1974
Contract Title ~ Ramsbury Exhibition Centre, Whites Hill, Ramsbury

	Lab No	2661048	2661049	2661050	2661051
	Sample ID ~	BH1	BH2	BH3	BH4
	Depth ~	0.40	0.60	0.30	0.20
	Other ID ~				
	Sample Type ~	SOIL	SOIL	SOIL	SOIL
	Sampling Date ~	20/03/2026	20/03/2026	20/03/2026	20/03/2026
	Sampling Time ~	0900	1000	1130	1300
Test	**Method**	**LOD**	**Units**		
Preparation					
Moisture Content	DETSC 1004	0.1	%	18	13	19	20
Metals					
Arsenic	DETSC 2301#	0.2	mg/kg	13	11	11	6.9
Boron, Water Soluble (2.5:1)	DETSC 2311#	0.2	mg/kg	0.8	0.4	1.5	0.7
Cadmium	DETSC 2301#	0.1	mg/kg	0.5	0.2	0.3	0.4
Chromium	DETSC 2301#	0.15	mg/kg	44	24	19	18
Chromium, Hexavalent	DETSC 2204*	1	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
Copper	DETSC 2301#	0.2	mg/kg	28	14	20	13
Lead	DETSC 2301#	0.3	mg/kg	94	65	87	42
Mercury	DETSC 2325#	0.05	mg/kg	0.16	0.09	0.12	0.11
Molybdenum	DETSC 2301#	0.4	mg/kg	0.8	0.7	0.7	0.5
Nickel	DETSC 2301#	1	mg/kg	24	17	15	13
Selenium	DETSC 2301#	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Zinc	DETSC 2301#	1	mg/kg	100	44	56	53
Inorganics					
pH	DETSC 2008#		pH	8.4	8.2	8.6	8.4
Cyanide, Total	DETSC 2130#	0.1	mg/kg	0.2	< 0.1	< 0.1	0.2
Organic matter	DETSC 2002#	0.1	%	5.2	0.6	1.5	3.9
Sulphide	DETSC 2024*	10	mg/kg	< 10	< 10	< 10	16
Sulphate as SO4, Total	DETSC 2321#	0.01	%	0.11	0.03	0.07	0.09
Petroleum Hydrocarbons					
Aliphatic C5-C6: HS_1D_AL	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C6-C8: HS_1D_AL	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C8-C10: HS_1D_AL	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C10-C12: EH_CU_1D_AL	DETSC 3072#	1.5	mg/kg	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatic C12-C16: EH_CU_1D_AL	DETSC 3072#	1.2	mg/kg	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatic C16-C21: EH_CU_1D_AL	DETSC 3072#	1.5	mg/kg	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatic C21-C35: EH_CU_1D_AL	DETSC 3072#	3.4	mg/kg	< 3.4	230	< 3.4	< 3.4
Aliphatic C35-C40: EH_CU_1D_AL	DETSC 3072*	3.4	mg/kg	< 3.4	8.1	< 3.4	< 3.4
Aliphatic C10-C44: EH_CU_1D_AL	DETSC 3072*	10	mg/kg	< 10	240	< 10	< 10
Aliphatic C5-C40: EH_CU+HS_1D_AL	DETSC 3072*	10	mg/kg	< 10	240	< 10	< 10
Aliphatic C5-C44: EH_CU+HS_1D_AL	DETSC 3072*	10	mg/kg	< 10	240	< 10	< 10
Aromatic C5-C7: HS_1D_AR	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C7-C8: HS_1D_AR	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C8-C10: HS_1D_AR	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C10-C12: EH_CU_1D_AR	DETSC 3072#	0.9	mg/kg	< 0.9	< 0.9	< 0.9	< 0.9
Aromatic C12-C16: EH_CU_1D_AR	DETSC 3072#	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aromatic C16-C21: EH_CU_1D_AR	DETSC 3072#	0.6	mg/kg	< 0.6	< 0.6	< 0.6	< 0.6
Aromatic C21-C35: EH_CU_1D_AR	DETSC 3072#	1.4	mg/kg	< 1.4	< 1.4	< 1.4	< 1.4
Aromatic C35-C40: EH_CU_1D_AR	DETSC 3072*	1.4	mg/kg	< 1.4	< 1.4	< 1.4	< 1.4
Aromatic C10-C44: EH_CU_1D_AR	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10

Summary of Chemical Analysis
Soil Samples

Our Ref 26-07032
Client Ref ~ SE1974
Contract Title ~ Ramsbury Exhibition Centre, Whites Hill, Ramsbury

			Lab No	2661048	2661049	2661050	2661051
			Sample ID ~	BH1	BH2	BH3	BH4
			Depth ~	0.40	0.60	0.30	0.20
			Other ID ~				
			Sample Type ~	SOIL	SOIL	SOIL	SOIL
			Sampling Date ~	20/03/2026	20/03/2026	20/03/2026	20/03/2026
			Sampling Time ~	0900	1000	1130	1300
Test	**Method**	**LOD**	**Units**				
Aromatic C5-C40: EH_CU+HS_1D_AR	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10
Aromatic C5-C44: EH_CU+HS_1D_AR	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10
TPH Ali/Aro C5-C40: EH_CU+HS_1D_Total	DETSC 3072*	10	mg/kg	< 10	240	< 10	< 10
TPH Ali/Aro C5-C44: EH_CU+HS_1D_Total	DETSC 3072*	10	mg/kg	< 10	240	< 10	< 10
Ali/Aro C10-C44: EH_CU_1D_Total	DETSC 3072*	10	mg/kg	< 10	240	< 10	< 10
Benzene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Ethylbenzene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Toluene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
m+p Xylene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
o Xylene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
MTBE	DETSC 3321	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
PAHs							
Naphthalene	DETSC 3301	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 2.00
Acenaphthylene	DETSC 3301	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 2.00
Acenaphthene	DETSC 3301	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 2.00
Fluorene	DETSC 3301	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 2.00
Phenanthrene	DETSC 3301	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 2.00
Anthracene	DETSC 3301	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 2.00
Fluoranthene	DETSC 3301	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 2.00
Pyrene	DETSC 3301	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 2.00
Benzo(a)anthracene	DETSC 3301	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 2.00
Chrysene	DETSC 3301	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 2.00
Benzo(b)fluoranthene	DETSC 3301	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 2.00
Benzo(k)fluoranthene	DETSC 3301	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 2.00
Benzo(a)pyrene	DETSC 3301	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 2.00
Indeno(1,2,3-c,d)pyrene	DETSC 3301	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 2.00
Dibenzo(a,h)anthracene	DETSC 3301	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 2.00
Benzo(g,h,i)perylene	DETSC 3301	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 2.00
PAH 16 Total	DETSC 3301	1.6	mg/kg	< 1.6	< 1.6	< 1.6	40
Phenols							
Phenol - Monohydric	DETSC 2130#	0.3	mg/kg	0.9	< 0.3	< 0.3	0.9

Summary of Asbestos Analysis
Soil Samples

Our Ref 26-07032
Client Ref ~ SE1974
Contract Title ~ Ramsbury Exhibition Centre, Whites Hill, Ramsbury

Lab No	Sample ID	Material Type	Result	Comment*	Analyst
2661048	BH1 0.40	SOIL	NAD	none	Vicky Convery
2661049	BH2 0.60	SOIL	NAD	none	Vicky Convery
2661050	BH3 0.30	SOIL	NAD	none	Vicky Convery
2661051	BH4 0.20	SOIL	NAD	none	Vicky Convery

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETSC 1101 using polarised light microscopy in accordance with HSG248 and documented in-house methods. NAD = No Asbestos Detected. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'. Key: * -not included in laboratory scope of accreditation.

Information in Support of the Analytical Results

Our Ref 26-07032
Client Ref ~ SE1974
Contract ~ Ramsbury Exhibition Centre, Whites Hill, Ramsbury

Containers Received & Deviating Samples

Lab No	Sample ID ~	Date Sampled ~	Containers Received	Holding time exceeded for tests	Incorrect container for tests
2661048	BH1 0.40 SOIL	20/03/26	GJ 250ml, GJ 60ml, PT 1L		
2661049	BH2 0.60 SOIL	20/03/26	GJ 250ml, GJ 60ml, PT 1L		
2661050	BH3 0.30 SOIL	20/03/26	GJ 250ml, GJ 60ml, PT 1L		
2661051	BH4 0.20 SOIL	20/03/26	GJ 250ml, GJ 60ml, PT 1L		

Key: G-Glass P-Plastic J-Jar T-Tub

Normec DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 250µm sieve
Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.
The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-
Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

Information in Support of the Analytical Results

List of HWOL Acronyms and Operators

Acronym	Description
HS	Headspace analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
2D	GC-GC - Double coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative eg. EH+HS_Total or EH_CU+HS_Total

Det	Acronym
Aliphatic C5-C6	HS_1D_AL
Aliphatic C6-C8	HS_1D_AL
Aliphatic C8-C10	HS_1D_AL
Aliphatic C10-C12	EH_CU_1D_AL
Aliphatic C12-C16	EH_CU_1D_AL
Aliphatic C16-C21	EH_CU_1D_AL
Aliphatic C21-C35	EH_CU_1D_AL
Aliphatic C35-C40	EH_CU_1D_AL
Aliphatic C10-C44	EH_CU_1D_AL
Aliphatic C5-C40	EH_CU+HS_1D_AL
Aliphatic C5-C44	EH_CU+HS_1D_AL
Aromatic C5-C7	HS_1D_AR
Aromatic C7-C8	HS_1D_AR
Aromatic C8-C10	HS_1D_AR
Aromatic C10-C12	EH_CU_1D_AR
Aromatic C12-C16	EH_CU_1D_AR
Aromatic C16-C21	EH_CU_1D_AR
Aromatic C21-C35	EH_CU_1D_AR
Aromatic C35-C40	EH_CU_1D_AR
Aromatic C10-C44	EH_CU_1D_AR
Aromatic C5-C40	EH_CU+HS_1D_AR
Aromatic C5-C44	EH_CU+HS_1D_AR
TPH Ali/Aro C5-C40	EH_CU+HS_1D_Total
TPH Ali/Aro C5-C44	EH_CU+HS_1D_Total
Ali/Aro C10-C44	EH_CU_1D_Total

Key:

~ Sample details are provided by the client and can affect the validity of the results
***** -not accredited.
-MCERTS (accreditation only applies if report carries the MCERTS logo).
$ -subcontracted.
n/s -not supplied.
I/S -insufficient sample.
U/S -unsuitable sample.
t/f -to follow.
nd -not detected.

End of Report Ver 26.03.15

Certificate of Analysis

Certificate Number	26-06733	*Issued:*	31-Mar-26

Client Sub Surface Laboratories Ltd
3 Peel Street
Preston
Lancashire
PR2 2QS

Our Reference	26-06733
Client Reference ~	SE1974
Order No ~	SE1974
Contract Title ~	Ramsbury Manor, Whites Hill, Ramsbury SN8 2RG
Description	4 Soil samples.
Date Received	20-Mar-26
Date Started	20-Mar-26
Date Completed	31-Mar-26
Test Procedures	Identified by prefix DETSn (details on request).

Notes Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved By

Reyhan Irfan
Operations Manager

2139

Summary of Chemical Analysis
Soil Samples

Our Ref 26-06733
Client Ref ~ SE1974
Contract Title ~ Ramsbury Manor, Whites Hill, Ramsbury SN8 2RG

			Lab No	2659321	2659322	2659323	2659324
			Sample ID ~	BH02	SA1	SA2	TP3
			Depth ~	0.35	0.25	0.40	0.60
			Other ID ~				
			Sample Type ~	SOIL	SOIL	SOIL	SOIL
			Sampling Date ~	16/03/2026	16/03/2026	16/03/2026	16/03/2026
			Sampling Time ~	1000	0900	0915	1130
Test	**Method**	**LOD**	**Units**				
Preparation							
Moisture Content	DETSC 1004	0.1	%	17	15	11	14
Metals							
Arsenic	DETSC 2301#	0.2	mg/kg	12	10	5.7	5.4
Boron, Water Soluble (2.5:1)	DETSC 2311#	0.2	mg/kg	1.0	0.9	0.5	0.9
Cadmium	DETSC 2301#	0.1	mg/kg	0.2	0.2	0.1	0.2
Chromium	DETSC 2301#	0.15	mg/kg	16	17	15	12
Chromium, Hexavalent	DETSC 2204*	1	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
Copper	DETSC 2301#	0.2	mg/kg	22	18	9.5	10
Lead	DETSC 2301#	0.3	mg/kg	530	150	31	30
Mercury	DETSC 2325#	0.05	mg/kg	0.38	0.21	< 0.05	< 0.05
Molybdenum	DETSC 2301#	0.4	mg/kg	0.7	0.5	< 0.4	< 0.4
Nickel	DETSC 2301#	1	mg/kg	13	13	8.8	9.1
Selenium	DETSC 2301#	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Zinc	DETSC 2301#	1	mg/kg	94	68	34	41
Inorganics							
pH	DETSC 2008#		pH	7.9	8.2	7.5	8.7
Cyanide, Total	DETSC 2130#	0.1	mg/kg	0.2	0.2	< 0.1	< 0.1
Organic matter	DETSC 2002#	0.1	%	4.0	2.9	0.8	1.2
Sulphide	DETSC 2024*	10	mg/kg	< 10	< 10	< 10	< 10
Sulphate as SO4, Total	DETSC 2321#	0.01	%	0.05	0.04	0.02	0.06
Petroleum Hydrocarbons							
Aliphatic C5-C6: HS_1D_AL	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C6-C8: HS_1D_AL	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C8-C10: HS_1D_AL	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C10-C12: EH_CU_1D_AL	DETSC 3072#	1.5	mg/kg	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatic C12-C16: EH_CU_1D_AL	DETSC 3072#	1.2	mg/kg	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatic C16-C21: EH_CU_1D_AL	DETSC 3072#	1.5	mg/kg	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatic C21-C35: EH_CU_1D_AL	DETSC 3072#	3.4	mg/kg	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatic C35-C40: EH_CU_1D_AL	DETSC 3072*	3.4	mg/kg	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatic C10-C44: EH_CU_1D_AL	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10
Aliphatic C5-C40: EH_CU+HS_1D_AL	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10
Aliphatic C5-C44: EH_CU+HS_1D_AL	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10
Aromatic C5-C7: HS_1D_AR	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C7-C8: HS_1D_AR	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C8-C10: HS_1D_AR	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C10-C12: EH_CU_1D_AR	DETSC 3072#	0.9	mg/kg	< 0.9	< 0.9	< 0.9	< 0.9
Aromatic C12-C16: EH_CU_1D_AR	DETSC 3072#	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aromatic C16-C21: EH_CU_1D_AR	DETSC 3072#	0.6	mg/kg	< 0.6	< 0.6	< 0.6	< 0.6
Aromatic C21-C35: EH_CU_1D_AR	DETSC 3072#	1.4	mg/kg	< 1.4	< 1.4	< 1.4	< 1.4
Aromatic C35-C40: EH_CU_1D_AR	DETSC 3072*	1.4	mg/kg	< 1.4	< 1.4	< 1.4	< 1.4
Aromatic C10-C44: EH_CU_1D_AR	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10

Summary of Chemical Analysis
Soil Samples

Our Ref 26-06733
Client Ref ~ SE1974
Contract Title ~ Ramsbury Manor, Whites Hill, Ramsbury SN8 2RG

			Lab No	2659321	2659322	2659323	2659324
			Sample ID ~	BH02	SA1	SA2	TP3
			Depth ~	0.35	0.25	0.40	0.60
			Other ID ~				
			Sample Type ~	SOIL	SOIL	SOIL	SOIL
			Sampling Date ~	16/03/2026	16/03/2026	16/03/2026	16/03/2026
			Sampling Time ~	1000	0900	0915	1130
Test	**Method**	**LOD**	**Units**				
Aromatic C5-C40: EH_CU+HS_1D_AR	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10
Aromatic C5-C44: EH_CU+HS_1D_AR	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10
TPH Ali/Aro C5-C40: EH_CU+HS_1D_Total	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10
TPH Ali/Aro C5-C44: EH_CU+HS_1D_Total	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10
Ali/Aro C10-C44: EH_CU_1D_Total	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10
Benzene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Ethylbenzene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Toluene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
m+p Xylene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
o Xylene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
MTBE	DETSC 3321	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
PAHs							
Naphthalene	DETSC 3301	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	DETSC 3301	0.1	mg/kg	0.15	0.26	< 0.10	< 0.10
Acenaphthene	DETSC 3301	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	DETSC 3301	0.1	mg/kg	0.38	0.40	< 0.10	0.23
Phenanthrene	DETSC 3301	0.1	mg/kg	1.2	2.9	< 0.10	< 0.10
Anthracene	DETSC 3301	0.1	mg/kg	0.30	0.54	< 0.10	< 0.10
Fluoranthene	DETSC 3301	0.1	mg/kg	2.7	5.0	< 0.10	0.15
Pyrene	DETSC 3301	0.1	mg/kg	2.1	3.8	< 0.10	< 0.10
Benzo(a)anthracene	DETSC 3301	0.1	mg/kg	1.2	1.7	< 0.10	< 0.10
Chrysene	DETSC 3301	0.1	mg/kg	1.3	1.7	< 0.10	< 0.10
Benzo(b)fluoranthene	DETSC 3301	0.1	mg/kg	1.1	1.6	< 0.10	< 0.10
Benzo(k)fluoranthene	DETSC 3301	0.1	mg/kg	0.62	1.0	< 0.10	< 0.10
Benzo(a)pyrene	DETSC 3301	0.1	mg/kg	1.3	1.8	< 0.10	< 0.10
Indeno(1,2,3-c,d)pyrene	DETSC 3301	0.1	mg/kg	0.96	1.5	< 0.10	< 0.10
Dibenzo(a,h)anthracene	DETSC 3301	0.1	mg/kg	< 0.10	0.15	< 0.10	< 0.10
Benzo(g,h,i)perylene	DETSC 3301	0.1	mg/kg	0.58	0.94	< 0.10	< 0.10
PAH 16 Total	DETSC 3301	1.6	mg/kg	11	20	< 1.6	< 1.6
Phenols							
Phenol - Monohydric	DETSC 2130#	0.3	mg/kg	0.6	0.8	< 0.3	0.5

Summary of Asbestos Analysis
Soil Samples

Our Ref 26-06733
Client Ref ~ SE1974
Contract Title ~ Ramsbury Manor, Whites Hill, Ramsbury SN8 2RG

Lab No	Sample ID	Material Type	Result	Comment*	Analyst
2659321	BH02 0.35	SOIL	NAD	none	Keith Wilson
2659322	SA1 0.25	SOIL	NAD	none	Keith Wilson
2659323	SA2 0.40	SOIL	NAD	none	Keith Wilson
2659324	TP3 0.60	SOIL	NAD	none	Keith Wilson

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETSC 1101 using polarised light microscopy in accordance with HSG248 and documented in-house methods. NAD = No Asbestos Detected. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'. Key: * -not included in laboratory scope of accreditation.

Information in Support of the Analytical Results

Our Ref 26-06733
Client Ref ~ SE1974
Contract ~ Ramsbury Manor, Whites Hill, Ramsbury SN8 2RG

Containers Received & Deviating Samples

Lab No	Sample ID ~	Date Sampled ~	Containers Received	Holding time exceeded for tests	Incorrect container for tests
2659321	BH02 0.35 SOIL	16/03/26	GJ 250ml, GJ 60ml, PT 1L		
2659322	SA1 0.25 SOIL	16/03/26	GJ 250ml, GJ 60ml, PT 1L		
2659323	SA2 0.40 SOIL	16/03/26	GJ 250ml, GJ 60ml, PT 1L		
2659324	TP3 0.60 SOIL	16/03/26	GJ 250ml, GJ 60ml, PT 1L		

Key: G-Glass P-Plastic J-Jar T-Tub

Normec DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 250µm sieve
Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.
The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-
Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

Information in Support of the Analytical Results

List of HWOL Acronyms and Operators

Acronym	Description
HS	Headspace analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
2D	GC-GC - Double coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative eg. EH+HS_Total or EH_CU+HS_Total

Det	Acronym
Aliphatic C5-C6	HS_1D_AL
Aliphatic C6-C8	HS_1D_AL
Aliphatic C8-C10	HS_1D_AL
Aliphatic C10-C12	EH_CU_1D_AL
Aliphatic C12-C16	EH_CU_1D_AL
Aliphatic C16-C21	EH_CU_1D_AL
Aliphatic C21-C35	EH_CU_1D_AL
Aliphatic C35-C40	EH_CU_1D_AL
Aliphatic C10-C44	EH_CU_1D_AL
Aliphatic C5-C40	EH_CU+HS_1D_AL
Aliphatic C5-C44	EH_CU+HS_1D_AL
Aromatic C5-C7	HS_1D_AR
Aromatic C7-C8	HS_1D_AR
Aromatic C8-C10	HS_1D_AR
Aromatic C10-C12	EH_CU_1D_AR
Aromatic C12-C16	EH_CU_1D_AR
Aromatic C16-C21	EH_CU_1D_AR
Aromatic C21-C35	EH_CU_1D_AR
Aromatic C35-C40	EH_CU_1D_AR
Aromatic C10-C44	EH_CU_1D_AR
Aromatic C5-C40	EH_CU+HS_1D_AR
Aromatic C5-C44	EH_CU+HS_1D_AR
TPH Ali/Aro C5-C40	EH_CU+HS_1D_Total
TPH Ali/Aro C5-C44	EH_CU+HS_1D_Total
Ali/Aro C10-C44	EH_CU_1D_Total

Key:

~ Sample details are provided by the client and can affect the validity of the results
***** -not accredited.
-MCERTS (accreditation only applies if report carries the MCERTS logo).
$ -subcontracted.
n/s -not supplied.
I/S -insufficient sample.
U/S -unsuitable sample.
t/f -to follow.
nd -not detected.

End of Report Ver 26.03.15

BOREHOLE RECORD SHEETS

SUB SURFACE
GROUND INVESTIGATION SPECIALISTS
3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: 01772 561135. www.subsurface.co.uk

Site	Borehole Number
RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG	BH1

Boring Method	Casing Diameter	Ground Level (mOD)	Client	Job Number
CABLE PERCUSSIVE	150mm cased to 3.00m		THE RAMSBURY MANOR FOUNDATION	SE1974A
	Location	**Dates**	**Engineer**	**Sheet**
	AS PLAN	17/03/2026	GREENWOOD PROJECTS LIMITED	1/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						(0.30) 0.30	TOPSOIL (Driller's Description).		
0.60	D						Firm to stiff high strength brown and dark brown gravelly slightly sandy CLAY with occasional bands of very clayey gravel. Gravel is angular to subangular fine to coarse flint.		
1.00	D					(1.70)			
1.50-1.95	SPT(C) N=35			5,7/8,9,9,9					
1.50	D								
2.00	D					2.00	Very dense brown very clayey sandy angular to subangular fine to coarse flint GRAVEL with occasional flint cobbles.		
2.50-2.90	SPT(C) 51/245			3,10/13,15,15,8					
2.50	D					(1.50)			
3.00	D								
3.50-3.95	SPT(C) N=35			4,6/6,9,10,10		3.50	Stiff to very stiff high strength brown slightly gravelly slightly sandy CLAY. Gravel is angular to subrounded fine to coarse flint.		
3.50	D								
4.50-4.95	SPT N=19			2,3/4,4,5,6					
4.50-4.95	D					(2.50)			
6.00-6.45	SPT N=9			2,2/2,2,2,3		6.00	Structureless CHALK composed of cream and light brownish cream gravelly slightly sandy SILT. Gravel is very weak to weak low density cream and subrounded. Occasional angular medium to coarse flint gravel. Locally with traces of brown clay. (Grade Dm).		
6.00-6.45	D					(1.50)			
7.50-7.95	SPT N=17			2,3/3,4,5,5		7.50	Structureless CHALK composed of slightly sandy very silty subrounded GRAVEL. Clasts are very weak to weak low density cream. Matrix is cream. Occasional angular coarse flint gravel (Grade Dc).		
7.50-7.95	D								
9.00-9.45	SPT N=34			3,6/10,9,8,7					
9.00-9.45	D					(3.45)			

Remarks
Hand excavated inspection pit to 1.20m to check for services - 1 hour.
Chiselling from 1.80m to 2.00m - 30 mins.
On completion backfilled with arisings.

Scale (approx)	Logged By
1:50	LMB/HB

Figure No. SE1974A.BH1

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Site	Borehole Number
RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG	BH1

Boring Method	Casing Diameter	Ground Level (mOD)	Client	Job Number
CABLE PERCUSSIVE	150mm cased to 3.00m		THE RAMSBURY MANOR FOUNDATION	SE1974A
	Location	**Dates**	**Engineer**	**Sheet**
	AS PLAN	17/03/2026	GREENWOOD PROJECTS LIMITED	2/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
10.50-10.95 10.50-10.95	SPT N=27 D			2,3/5,6,8,8 17/03/2026:DRY		10.95	Structureless CHALK composed of slightly sandy very silty subrounded GRAVEL. Clasts are very weak to weak low density cream. Matrix is cream. Occasional angular coarse flint gravel (Grade Dc). Complete at 10.95m		

Remarks

Scale (approx)	Logged By
1:50	LMB/HB

Figure No. SE1974A.BH1

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Site	Borehole Number
RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG	BH2

Boring Method	Casing Diameter	Ground Level (mOD)	Client	Job Number
CABLE PERCUSSIVE	150mm cased to 2.50m		THE RAMSBURY MANOR FOUNDATION	SE1974A
	Location	**Dates**	**Engineer**	**Sheet**
	AS PLAN	16/03/2026	GREENWOOD PROJECTS LIMITED	1/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
						(0.50)	MADE GROUND: Brick and gravel (Driller's Description).			
0.50	D					0.50	Firm to stiff medium strength brown slightly gravelly slightly sandy CLAY with occasional bands of very clayey gravel. Gravel is angular to subrounded fine to coarse flint.			
1.00	D									
1.50-1.95	SPT N=13			1,1/3,3,3,4		(2.00)				
1.50-1.95	D									
2.00	D									
2.50-2.95	SPT N=22			4,5/5,5,6,6		2.50	Structureless CHALK composed of slightly sandy silty subangular to rounded GRAVEL. Clasts are very weak low to medium density cream. Matrix is cream. Occasional angular coarse flint gravel (Grade Dc).			
2.50-2.95	D									
3.50-3.95	SPT N=18			2,3/4,4,5,5						
3.50-3.95	D									
4.50-4.95	SPT N=20			3,4/4,5,5,6						
4.50-4.95	D									
6.00-6.45	SPT N=21			2,4/5,5,6,5						
6.00-6.45	D					(7.95)				
7.50-7.95	SPT N=22			3,3/5,6,6,5						
7.50-7.95	D									
9.00-9.45	SPT N=29			4,5/7,7,7,8						
9.00-9.45	D									
10.00-10.45	SPT N=29			4,5/6,8,8,7						

Remarks
Hand excavated inspection pit to 1.20m to check for services - 1 hour.
On completion installed a 50mm diameter HDPE groundwater monitoring standpipe with gravel surround to 5.00 metres, a Bentonite seal from 1.00 to 0.20 metres, and a concreted in lockable metal protective cover from 0.20m to GL.

Scale (approx)	Logged By
1:50	LMB/HB

Figure No. SE1974A.BH2

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Site	Borehole Number
RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG	BH2

Boring Method	Casing Diameter	Ground Level (mOD)	Client	Job Number
CABLE PERCUSSIVE	150mm cased to 2.50m		THE RAMSBURY MANOR FOUNDATION	SE1974A
Location	**Dates**	**Engineer**		**Sheet**
AS PLAN	16/03/2026	GREENWOOD PROJECTS LIMITED		2/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
10.00-10.45	D			16/03/2026:DRY		10.45	Complete at 10.45m			

Remarks

Scale (approx)	Logged By
1:50	LMB/HB

Figure No. SE1974A.BH2

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Site	Borehole Number
RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG	BH3

Boring Method	Casing Diameter	Ground Level (mOD)	Client	Job Number
CABLE PERCUSSIVE	150mm cased to 2.50m		THE RAMSBURY MANOR FOUNDATION	SE1974A
	Location	**Dates**	**Engineer**	**Sheet**
	AS PLAN	19/03/2026	GREENWOOD PROJECTS LIMITED	1/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						(0.20) 0.20	MADE GROUND: Concrete.		
0.50	D					(0.80)	MADE GROUND: Soft brown gravelly slightly sandy clay. Gravel sized fragments are fine to coarse flint and brick.		
1.00	D					1.00			
1.50-1.95	SPT(C) N=29			4,6/6,7,7,9			Stiff high strength brown gravelly slightly sandy CLAY with occasional bands of very clayey gravel. Gravel is angular to subrounded fine to coarse flint and chalk.		
1.50-1.95	D					(1.50)			
2.00	D								
2.50-2.95	SPT N=14			3,4/4,3,4,3		2.50			
2.50-2.95	D						Firm friable medium strength light brown slightly gravelly silty CLAY. Gravel is angular to subrounded fine to coarse flint and chalk.		
						(1.00)			
3.50-3.95	SPT N=19			3,3/4,5,4,6		3.50			
3.50-3.95	D						Structureless CHALK composed of very silty subrounded to rounded GRAVEL. Clasts are very weak low to medium density cream. Matrix is light brownish cream. Occasional angular to subangular coarse flint gravel (Grade Dc).		
4.50-4.95	SPT N=19			3,5/4,4,5,6					
4.50-4.95	D								
6.00-6.45	SPT N=20			2,3/4,4,6,6					
6.00-6.45	D								
						(6.95)			
7.50-7.95	SPT N=23			3,4/5,5,6,7					
7.50-7.95	D								
9.00-9.45	SPT N=27			4,4/5,6,8,8					
9.00-9.45	D								
10.00-10.45	SPT N=28			4,5/5,7,7,9					

Remarks
Hand excavated inspection pit to 1.20m to check for services - 1 hour.
On completion backfilled with arisings.

Scale (approx)	Logged By
1:50	LMB/HB

Figure No. SE1974A.BH3

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Site	Borehole Number
RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG	BH3

Boring Method	Casing Diameter	Ground Level (mOD)	Client	Job Number
CABLE PERCUSSIVE	150mm cased to 2.50m		THE RAMSBURY MANOR FOUNDATION	SE1974A
	Location	**Dates**	**Engineer**	**Sheet**
	AS PLAN	19/03/2026	GREENWOOD PROJECTS LIMITED	2/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
10.00-10.45	D			19/03/2026:DRY		10.45	Complete at 10.45m		

Remarks

Scale (approx)	Logged By
1:50	LMB/HB

Figure No. SE1974A.BH3

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Site	Borehole Number
RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG	BH4

Boring Method	Casing Diameter	Ground Level (mOD)	Client	Job Number
CABLE PERCUSSIVE	150mm cased to 2.50m		THE RAMSBURY MANOR FOUNDATION	SE1974A
	Location	**Dates**	**Engineer**	**Sheet**
	AS PLAN	18/03/2026	GREENWOOD PROJECTS LIMITED	1/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						(0.30)	TOPSOIL (Driller's Description).		
						0.30	Medium dense becoming loose brown and dark brown very clayey sandy angular to subangular fine to medium flint GRAVEL with occasional pockets of gravelly clay.		
0.50	D								
1.00	D								
1.50-1.95	SPT(C) N=15			2,2/3,3,4,5					
1.50-1.95	D								
2.00	D								
						(4.20)			
2.50-2.95	SPT N=25			4,5/7,7,6,5					
2.50-2.95	D								
3.50-3.95	SPT(C) N=9			2,2/2,2,2,3			…below 3.50m: loose.		
3.50-3.95	D								
						4.50			
4.50-4.95	SPT N=9			1,2/2,2,3,2			Structureless CHALK composed of light brownish cream gravelly slightly sandy SILT. Gravel is very weak to weak low density cream and rounded. Occasional angular fine to medium flint gravel. Locally with a trace of brown clay (Grade Dm). (Possible relic chalk boulder).		
4.50-4.95	D					(0.70)			
						5.20	Very dense brown very clayey sandy angular to subrounded fine to coarse flint GRAVEL with occasional pockets of gravelly clay.		
6.00-6.39	SPT(C) 50/235			5,9/12,15,18,5		(1.80)			
6.00-6.39	D								
						7.00	Structureless CHALK composed of very silty slightly sandy subangular to rounded GRAVEL. Clasts are very weak low to medium density cream. Matrix is cream. Locally with a trace of brown clay (Grade Dc).		
7.50-7.95	SPT N=23			2,4/4,6,6,7					
7.50-7.95	D								
9.00-9.45	SPT N=23			3,4/5,5,6,7					
9.00-9.45	D								
						(4.95)			
10.00-10.45	SPT N=21			3,5/4,5,5,7					

Remarks
Hand excavated inspection pit to 1.20m to check for services - 1 hour.
On completion backfilled with arisings.

Scale (approx)	Logged By
1:50	LMB/HB

Figure No. SE1974A.BH4

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Site	Borehole Number
RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG	BH4

Boring Method	Casing Diameter	Ground Level (mOD)	Client	Job Number
CABLE PERCUSSIVE	150mm cased to 2.50m		THE RAMSBURY MANOR FOUNDATION	SE1974A
Location	**Dates**	**Engineer**		**Sheet**
AS PLAN	18/03/2026	GREENWOOD PROJECTS LIMITED		2/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
10.00-10.45	D						Structureless CHALK composed of very silty slightly sandy subangular to rounded GRAVEL. Clasts are very weak low to medium density cream. Matrix is cream. Locally with a trace of brown clay (Grade Dc).		
11.50-11.95	SPT N=31			4,4/5,7,9,10					
11.50-11.95	D								
				18/03/2026:DRY		11.95	Complete at 11.95m		

Remarks

Scale (approx)	Logged By
1:50	LMB/HB

Figure No. SE1974A.BH4

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Site	Borehole Number
RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG	BH5

Boring Method	Casing Diameter	Ground Level (mOD)	Client	Job Number
CABLE PERCUSSIVE	150mm cased to 2.50m		THE RAMSBURY MANOR FOUNDATION	SE1974A
	Location	**Dates**	**Engineer**	**Sheet**
	AS PLAN	18/03/2026	GREENWOOD PROJECTS LIMITED	1/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
0.50	D					(0.80)	MADE GROUND: Soft brown slightly gravelly slightly sandy clay. Gravel sized fragments are fine to coarse flint, brick and clinker.			
1.00	D					0.80	Medium dense becoming loose brown and dark brown very clayey sandy angular to rounded fine to coarse flint GRAVEL with occasional pockets and bands of gravelly clay.			
1.50-1.95	SPT(C) N=20			2,2/4,6,5,5						
1.50-1.95	D									
2.00	D									
2.50-2.95	SPT(C) N=23			3,5/5,5,6,7						
2.50-2.95	D									
						(4.70)				
3.50-3.95	SPT(C) N=18			2,3/4,4,5,5						
3.50-3.95	D									
4.50-4.95	SPT(C) N=6			1,1/1,1,2,2			…below 4.50m: loose.			
4.50-4.95	D									
						5.50	Loose cream and dark brown very clayey silty angular to subrounded fine to coarse flint and chalk GRAVEL.			
6.00-6.45	SPT N=4			1,1/1,1,1,1						
6.00-6.45	D									
						(2.00)				
7.50-7.95	SPT N=10			1,2/3,3,2,2		7.50	Structureless CHALK composed of cream slightly gravelly slightly sandy SILT. Gravel is very weak low density cream and rounded. Locally with a trace of brown clay (Grade Dm).			
7.50-7.95	D									
						(2.50)				
9.00-9.45	SPT N=13			2,3/3,4,3,3						
9.00-9.45	D									

Remarks
Hand excavated inspection pit to 1.20m to check for services - 1 hour.
On completion installed a 50mm diameter HDPE groundwater monitoring standpipe with gravel surround to 5.00 metres, a Bentonite seal from 1.00 to 0.20 metres, and a concreted in lockable metal protective cover from 0.20m to GL.

Scale (approx)	Logged By
1:50	LMB/HB

Figure No. SE1974A.BH5

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Site	Borehole Number
RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG	BH5

Boring Method	Casing Diameter	Ground Level (mOD)	Client	Job Number
CABLE PERCUSSIVE	150mm cased to 2.50m		THE RAMSBURY MANOR FOUNDATION	SE1974A
	Location	**Dates**	**Engineer**	**Sheet**
	AS PLAN	18/03/2026	GREENWOOD PROJECTS LIMITED	2/2

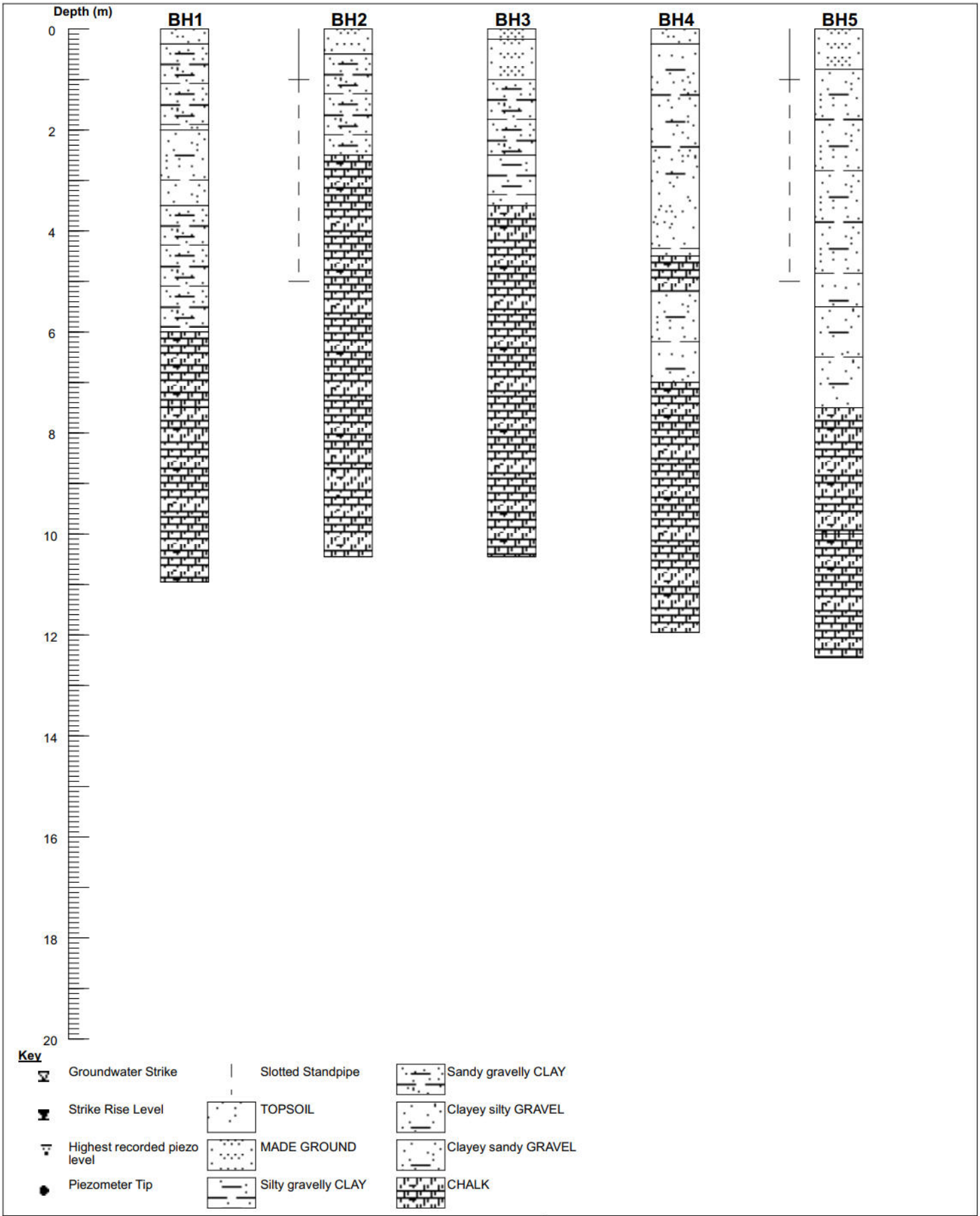
Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
						10.00				
10.50-10.95	SPT N=16			6,3/4,4,4,4			Structureless CHALK composed of silty slightly sandy subangular to subrounded GRAVEL. Clasts are very weak to weak low to medium density cream. Matrix is cream. Occasional angular coarse flint gravel. Locally with a trace of brown clay (Grade Dc).			
10.50-10.95	D					(2.45)				
12.00-12.45	SPT N=26			4,5/6,6,7,7						
12.00-12.45	D					12.45				
				18/03/2026:DRY			Complete at 12.45m			

Remarks

Scale (approx)	Logged By
1:50	LMB/HB

Figure No. SE1974A.BH5

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GROUND INVESTIGATION SPECIALISTS
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Nominal Section

Site	Date Drawn	Date Checked	Sheet	Job Number
RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG	21/05/2026		1/1	SE1974A
Client	**Drawn By**	**Checked By**	**Scale**	**Figure No.**
THE RAMSBURY MANOR FOUNDATION			1:100[V]	SE1974A

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TRIAL PIT RECORD SHEETS

SUB SURFACE
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Site	Trial Pit Number
RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG	SA1

Excavation Method	Dimensions	Ground Level (mOD)	Client	Job Number
MACHINE EXCAVATED	0.50m x 1.50m		THE RAMSBURY MANOR FOUNDATION	SE1974A
	Location	**Dates**	**Engineer**	**Sheet**
	AS PLAN	16/03/2026	GREENWOOD PROJECTS LIMITED	1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.30)	MADE GROUND: Soft brownish grey gravelly clay. Gravel sized fragments are fine to medium brick.		
0.25	ES				0.30	Firm brown gravelly silty CLAY. Gravel is angular to subangular fine to coarse flint.		
0.60	B				(1.80)			
			16/03/2026:DRY		2.10	Complete at 2.10m		

Plan

Remarks

Pit sides remained vertical and stable.
No groundwater encountered.
ES = Environmental sample comprised of one 1 l plastic tub, one 250ml amber glass jar, and one 60ml amber glass jar.
On completion undertaken soakaway test then backfilled with arisings.

Scale (approx)	Logged By	Figure No.
1:25	JM/HB	SE1974A.SA1

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Site	Trial Pit Number
RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG	SA2

Excavation Method	Dimensions	Ground Level (mOD)	Client	Job Number
MACHINE EXCAVATED	0.50m x 1.40m		THE RAMSBURY MANOR FOUNDATION	SE1974A
	Location AS PLAN	**Dates** 16/03/2026	**Engineer** GREENWOOD PROJECTS LIMITED	**Sheet** 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.20) 0.20	MADE GROUND: soft brown gravelly clay. Gravel sized fragments are fine to medium quartz and brick.		
					(0.10) 0.30	MADE GROUND: Soft brownish grey silty clay.		
					(0.15) 0.45	MADE GROUND: Soft greyish brown gravelly slightly sandy clay. Gravel sized fragments are fine to coarse quartz.		
0.40	ES							
0.50	B					Firm brown slightly gravelly silty CLAY. Gravel is angular to subangular fine to coarse flint.		
					(1.45)			
			16/03/2026:DRY		1.90	Complete at 1.90m		

Plan

Remarks

Pit sides remained vertical and stable.
No groundwater encountered.
ES = Environmental sample comprised of one 1 l plastic tub, one 250ml amber glass jar, and one 60ml amber glass jar.
On completion undertaken soakaway test then backfilled with arisings.

Scale (approx)	Logged By	Figure No.
1:25	JM/HB	SE1974A.SA2

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Site	Trial Pit Number
RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG	TP3

Excavation Method	Dimensions	Ground Level (mOD)	Client	Job Number
MACHINE EXCAVATED			THE RAMSBURY MANOR FOUNDATION	SE1974A
	Location AS PLAN	**Dates** 16/03/2026	**Engineer** GREENWOOD PROJECTS LIMITED	**Sheet** 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.80)	MADE GROUND: soft dark grey gravelly slightly sandy clay. Gravel sized fragments are fine to coarse flint and brick.		
0.60	ES				0.80			
0.90	B					Brown very clayey slightly sandy angular to subangular fine to coarse flint GRAVEL with some bands of gravelly clay.		
1.50	B				(1.70)			
			16/03/2026:DRY		2.50	Complete at 2.50m		

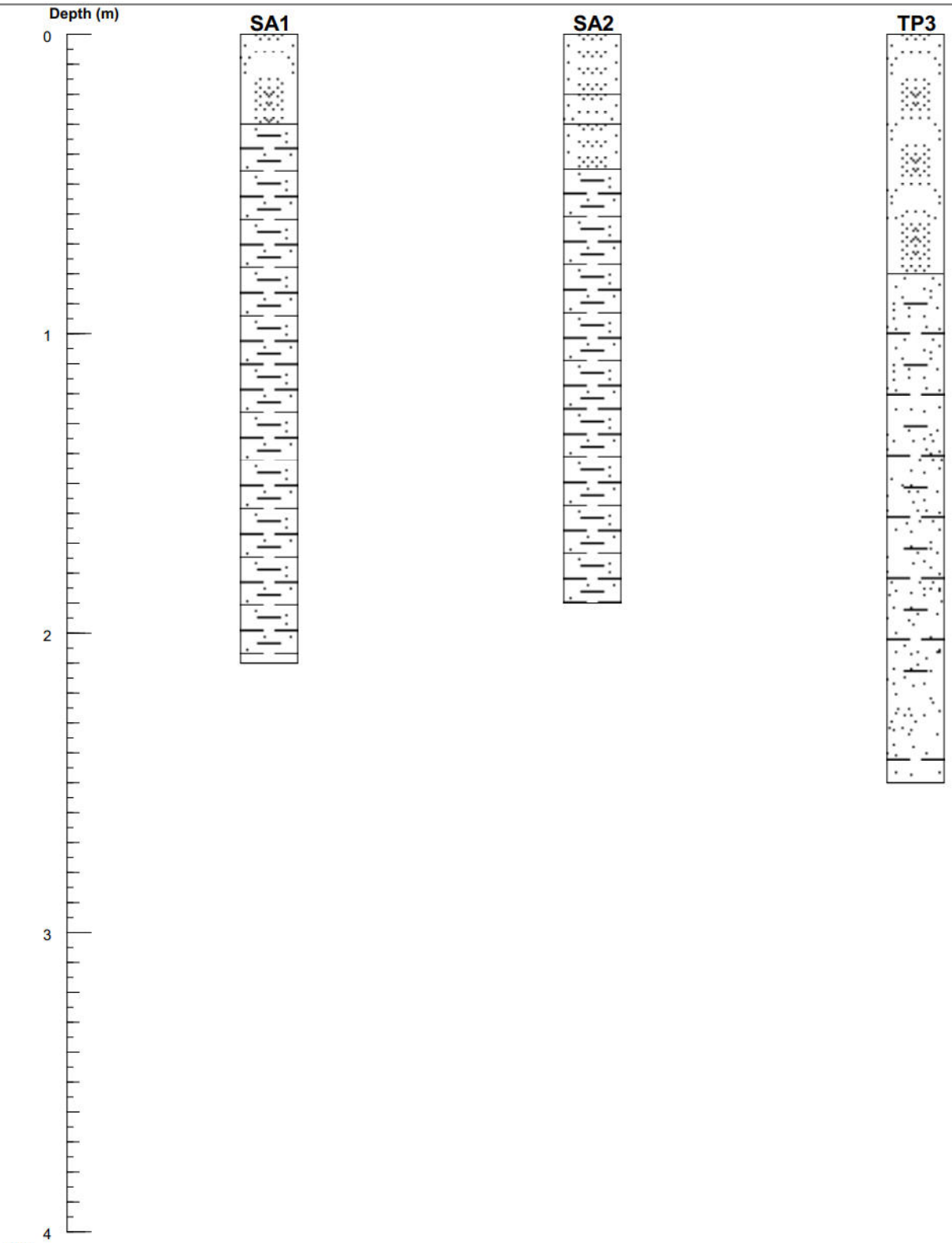
Plan

Remarks

Pit sides remained vertical and stable.
No groundwater encountered.
ES = Environmental sample comprised of one 1 l plastic tub, one 250ml amber glass jar, and one 60ml amber glass jar.
On completion undertaken soakaway test then backfilled with arisings.

Scale (approx)	Logged By	Figure No.
1:25	JM/HB	SE1974A.TP3

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Key

Groundwater Strike

Strike Rise Level

MADE GROUND

Silty gravelly CLAY

Clayey sandy GRAVEL

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Nominal Section

Site	Date Drawn	Date Checked	Sheet	Job Number
RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG	21/05/2026		1/1	SE1974A
Client	**Drawn By**	**Checked By**	**Scale**	**Figure No.**
THE RAMSBURY MANOR FOUNDATION			1:20[V]	SE1974A

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PHOTOGRAPHS

Site:	RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG	SUB SURFACE GROUND INVESTIGATION SPECIALISTS	
Client:	THE RAMSBURY MANOR FOUNDATION		
Engineer:	GREENWOOD PROJECTS LIMITED	**Job Number:** SE1974A	**Sheet:** 1 / 1

TRIAL PIT PHOTOGRAPHS

SA1



SA1



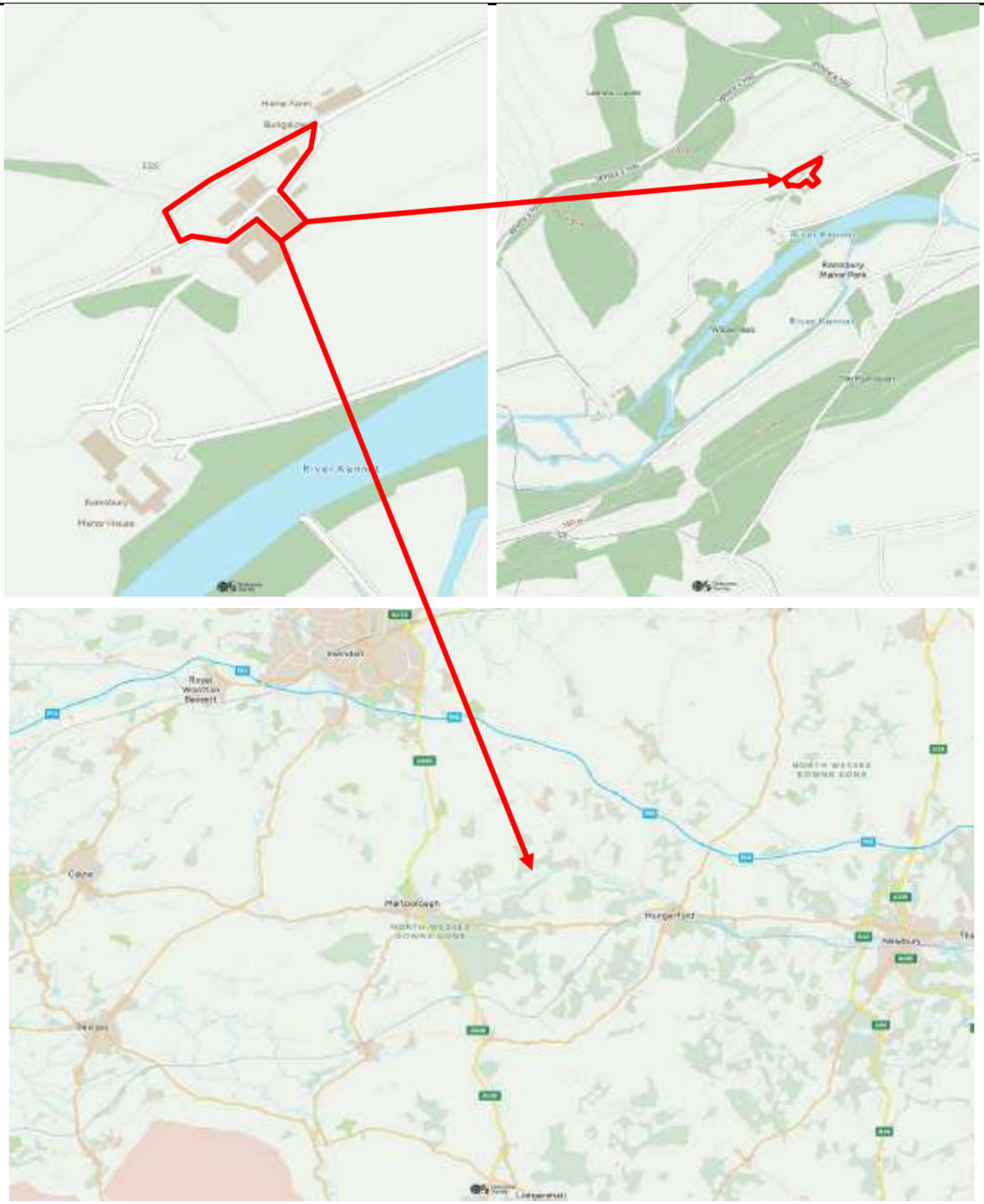
SA2



SA2



FIGURES



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Site:	RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG				**SITE LOCATION PLAN**
Client:	THE RAMSBURY MANOR FOUNDATION				SUB SURFACE GROUND INVESTIGATION SPECIALISTS
Job Number:	**Orientation:**	**Scale:**	**Date Drawn:**	**Drawn By:**	**Figure Number:**
SE1974A	N		13/05/26	LMB	1

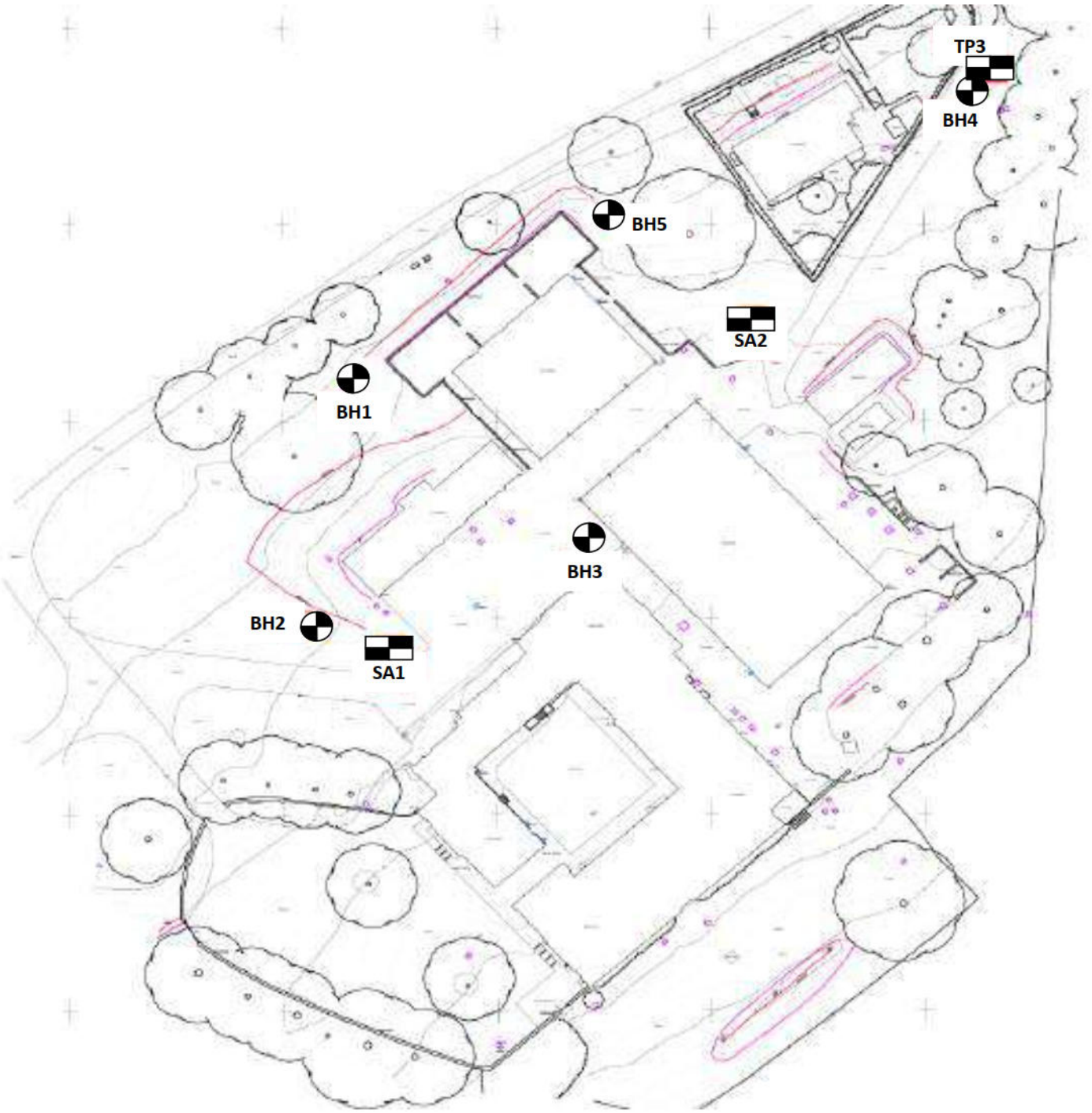


Site:	RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG				**EXISTING SITE LAYOUT PLAN**
Client:	THE RAMSBURY MANOR FOUNDATION				SUB SURFACE GROUND INVESTIGATION SPECIALISTS
Job Number:	**Orientation:**	**Scale:**	**Date Drawn:**	**Drawn By:**	**Figure Number:**
SE1974A	N		13/05/26	LMB	2



Site:	RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG				**PROPOSED DEVELOPMENT LAYOUT PLAN**
Client:	THE RAMSBURY MANOR FOUNDATION				
Job Number:	**Orientation:**	**Scale:**	**Date Drawn:**	**Drawn By:**	**Figure Number:**
SE1974A			13/05/26	LMB	3

SUB SURFACE
GROUND INVESTIGATION SPECIALISTS



Site:	RAMSBURY EXHIBITION CENTRE, WHITES HILL, RAMSBURY, WILTSHIRE, SN8 2RG				**EXPLORATORY HOLE LOCATION PLAN**
Client:	THE RAMSBURY MANOR FOUNDATION				SUB SURFACE GROUND INVESTIGATION SPECIALISTS
Job Number:	Orientation:	Scale:	Date Drawn:	Drawn By:	Figure Number:
SE1974A	N		13/05/26	LMB	4

APPENDIX H

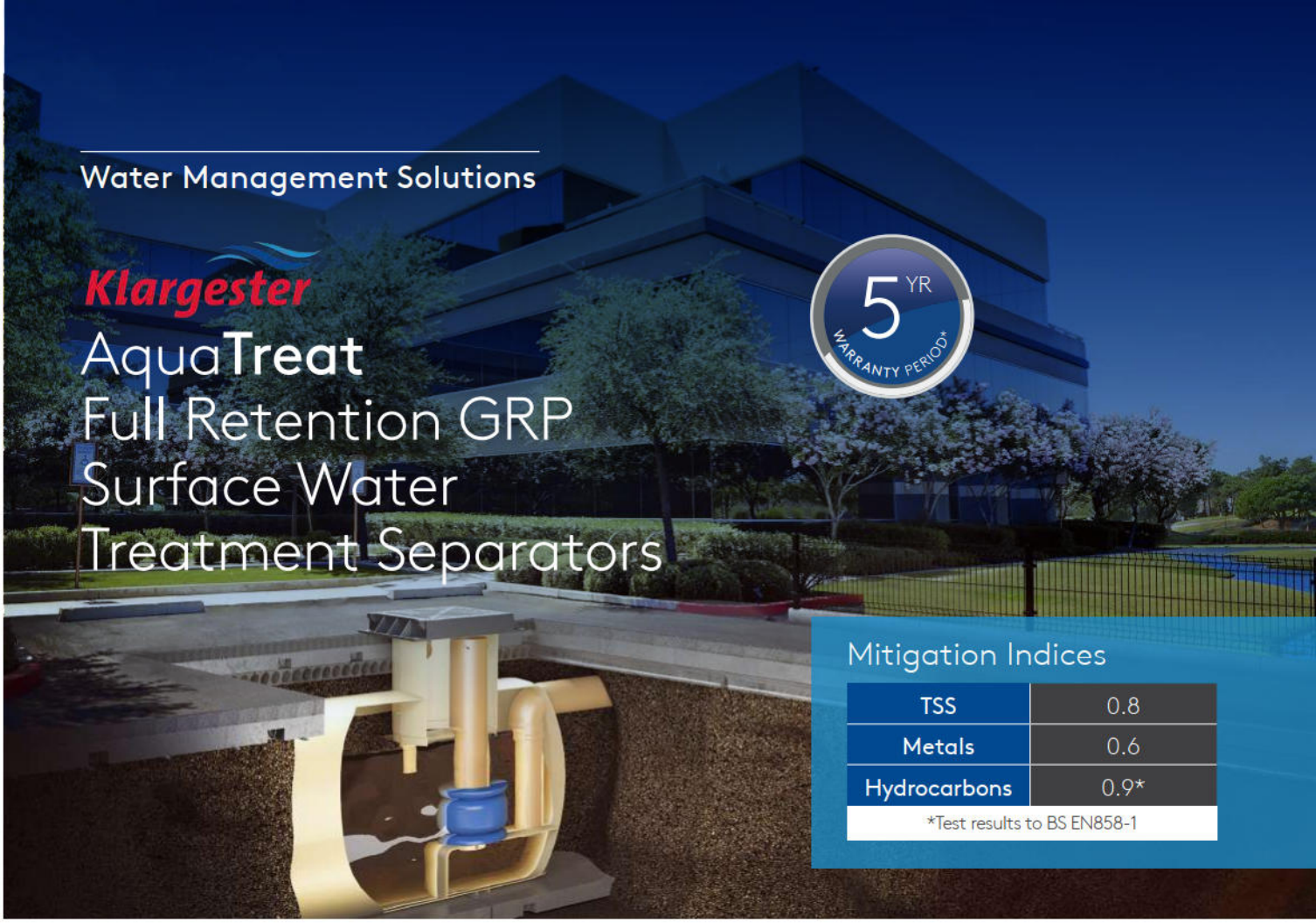
EXHIBITION CENTRE SITE INVESTIGATION REPORT

Water Management Solutions

Klargester

AquaTreat Full Retention GRP Surface Water Treatment Separators

5 YR WARRANTY PERIOD*



Mitigation Indices

TSS	0.8
Metals	0.6
Hydrocarbons	0.9*

*Test results to BS EN858-1

Why choose an AquaTreat separator?

- Larger silt storage capacities (compared to vortex separators)
- Our indices cater for high polluted lands (single piece solution)
- Reduced risk of silt build up
- Lesser risk of downstream pollution in SuDS solution due to high capacity silt storage
- Easier servicing, with maintenance from ground level
- SmartServ Pro remote monitoring solution (available as optional extra)

	Tested at PIA Aachen				BS EN 858	
Application Risk (SuDS Manual Indice)	Total Suspended Solids (TSS)		Metals		Hydrocarbons	
	Mitigation Indice	AquaTreat % Removal	Mitigation Indice	AquaTreat % Removal	Mitigation Indice	AquaTreat % Removal
Low Risk	0.7 (70%)	0.756 (75.6%)	0.5 (50%)	0.567 (56.7%)	0.9 (90%)	0.9999 (99.99%)
Medium Risk	0.8 (80%)	0.818 (81.8%)	0.6 (60%)	0.613 (61.3%)		

As part of our Planet Passionate programme, Kingspan are dedicated to delivering innovative surface water management technologies, developed on the back of 70 years' experience.

*Terms and conditions apply. View online at https://www.klargester.co.uk/service/klargester-warranty/

KNECT PRO
POWERED BY
SMART MONITORING

With Klargester, your AquaTreat Full Retention Separator is monitored, serviced and cared for by the experts who know it best, giving you total peace of mind.

Klargester AquaTreat
Full Retention GRP Surface Water Treatment Separators

Technical Specifications

26.2 Pollution hazard indices for different land use classifications				
Land Use	Pollution Hazard Level	Total suspended solids (TSS)	Metals	Hydrocarbons
Residential roofs	Very low	0.2	0.2	0.05
Other roofs (typically commercial/industrial roofs)	Low	0.3	0.2 (up to 0.8 where there is potential for metals to leach from the roof)	0.05
Individual property driveways, residential car parks, low traffic roads (eg cul de sacs, homezones and general access roads) and non-residential car parking with infrequent change (eg schools, offices) ie <300 traffic movements/day	Low	0.5	0.4	0.4
Commercial yard and delivery areas, non-residential car parking with frequent change (eg hospitals, retail), all roads and trunk roads/ motorways(1)	Medium	0.7	0.6	0.7
Sites with heavy pollution (eg haulage yards, lorry parks, highly frequented lorry approaches to industrial estates, waste sites), sites where chemicals and fuels (other than domestic fuel oil) are to be delivered, handled, stored, used or manufactured; industrial sites; trunk roads and motorwayds(1)	High	0.8 (2)	0.8 (2)	0.9 (2)

Model	10 l/s Low Risk		6 l/s Medium Risk			
	Treated Flowrate [l/s]	Connectable Surface Area [m²]	Treated Flowrate [l/s]	Connectable Surface Area [m²]	Length (mm)	Diameter (mm)
SWT001	10	1333	6	800	2610	1225
SWT002	15	2004	9	1202	3910	1225
SWT003	19	2535	11	1521	3230	2010
SWT004	23	3105	14	1863	3960	2010
SWT005	28	3747	17	2248	4750	2010
SWT006	34	4563	21	2738	5970	2010
SWT007	44	5814	26	3489	7365	2010
SWT008	48	6368	29	3821	5744	2820
SWT009	52	6880	31	4128	6200	2820
SWT010	61	8177	37	4906	7365	2820
SWT011	72	9635	43	5781	8675	2820
SWT012	83	11082	50	6649	9975	2820
SWT013	94	12535	56	7521	11280	2820
SWT014	100	13362	60	8017	11994	2820
SWT015	106	14183	64	8510	12766	2820
SWT016	113	15029	68	9017	13528	2820
SWT017	119	15897	72	9538	14300	2820
SWT018	126	16754	75	10053	15071	2820
SWT019	132	17601	79	10560	15833	2820

For more information on any of our products: **T:** +44 (0)1296 633 033
E: accivilssales@kingspan.com or visit **klargester.co.uk**

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