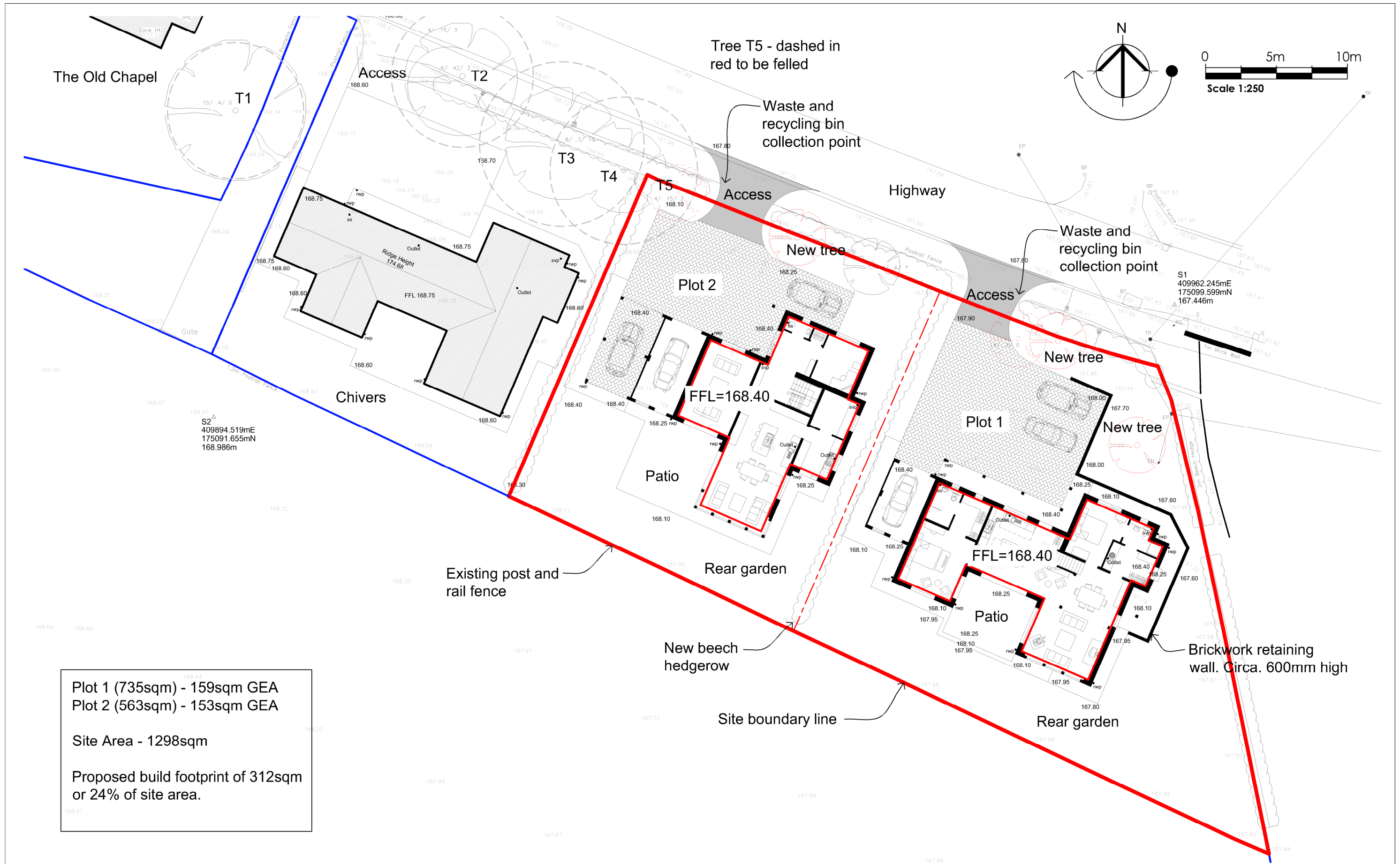


Appendix A - Development Proposals



	 www.lsarchitecturaldesign.co.uk  07768 808268  lsarchitecturaldesign@outlook.com	This drawing is copyright of LS Architectural Design and may not be copied or reproduced without permission. Figured dimensions are to be taken in preference to scaled dimensions. Large scale drawings to have preference to small scale drawings.	Client Catherine Pullan	Project Address Land adjacent Chivers, Winterbourne Bassett, SN4 9QD	Title Proposed Site Plan Project Name 2 New Dwellings_Winterbourne Bassett	Scale 1:250	PG Size A3	Drawn LRS	Date 18/12/25
						Status Planning	Project No 2003	Drawing No P103	Rev



Views east and west from Plot 1 driveway access.



Views east and west from Plot 2 driveway access.

	 www.lsarchitecturaldesign.co.uk  07768 808268  lsarchitecturaldesign@outlook.com	This drawing is copyright of LS Architectural Design and may not be copied or reproduced without permission. Figured dimensions are to be taken in preference to scaled dimensions. Large scale drawings to have preference to small scale drawings.	Client Catherine Pullan	Project Address Land adjacent Chivers, Winterbourne Bassett, SN4 9QD	Title Roof Plan and Visibility Splays Project Name 2 New Dwellings_Winterbourne Bassett	<table><tr><td>Scale</td><td>PG Size</td><td>Drawn</td><td>Date</td></tr><tr><td>1:500</td><td>A3</td><td>LRS</td><td>08/12/25</td></tr><tr><td>Status</td><td colspan="2">Project No</td><td>Drawing No Rev</td></tr><tr><td>Planning</td><td colspan="2">2003</td><td>P106</td></tr></table>	Scale	PG Size	Drawn	Date	1:500	A3	LRS	08/12/25	Status	Project No		Drawing No Rev	Planning	2003		P106
		Scale	PG Size	Drawn	Date																	
		1:500	A3	LRS	08/12/25																	
Status	Project No		Drawing No Rev																			
Planning	2003		P106																			

Appendix B - Surface Water Drainage Layout

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT REPORTS, PLANS AND ARCHITECTURAL DRAWINGS
2. THIS DRAWING SHOULD NOT BE SCALED. THERE SHOULD BE NO RELIANCE ON THIS DRAWING WITH REGARDS TO DIMENSIONS. ALL DIMENSIONS SHOULD BE CONFIRMED ON SITE.
3. ANY DISCREPANCY ON THIS DRAWING SHOULD BE REPORTED TO AEGAEA IMMEDIATELY FOR CLARIFICATION.
4. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORKS AND FOR THE STABILITY, INSTALLATION AND HEALTH AND SAFETY OF THE WORKS.
5. IN ORDER TO PRODUCE THIS DRAWING BASED ON THE DRAWINGS AND INFORMATION PROVIDED BY THE CLIENT AVAILABLE AT THE TIME OF PRODUCTION, WE CANNOT ACCEPT RESPONSIBILITY FOR DISCREPANCIES RESULTING FROM NEW PLANS/ INFORMATION BEING ISSUED POST-ISSUE OF THIS DRAWING. THE CONTRACTOR SHOULD REVIEW THIS DRAWING IN ORDER SITE INFORMATION SUCH AS CONTAMINATION, SURVEY AND SITE INVESTIGATIONS
6. IT IS THE RESPONSIBILITY OF THE PRINCIPAL CONTRACTOR TO MAKE THE DESIGNER AND CLIENT AWARE OF SITE-SPECIFIC RISKS AND HAZARDS THAT MAY AFFECT THE DRAWING AND SPECIFICATION

	TYPE C PERMEABLE PAVING
	GEOCELLULAR STORAGE
	SW MANHOLE
	SW INSPECTION CHAMBER
	CHANNEL DRAIN
	PROPOSED SURFACE WATER DRAIN
	CATCHMENT BOUNDARY
	RAINWATER PIPE
	EXCEEDANCE FLOW ROUTE
	FOUL INSPECTION CHAMBER
	PACKAGE TREATMENT PLANT
	WATERCOURSE

Appendix C - Infiltration Tests

Our Ref: 251006

21 November 2025

Catherine Pullan

Boundary House
Winterbourne Bassett
Swindon
SN4 9QB

Dear Catherine,

BRE 365 Soakaway and Groundwater Assessment – Land adjacent to The Old Chapel, Winterbourne Bassett, Wiltshire, SN4 9QB

Scope and Objectives

Clear Environmental Limited (Clear) was commissioned by Catherine Pullan (the 'Client') to undertake a BRE 365 Soakaway and Groundwater Assessment at Land adjacent to The Old Chapel, Winterbourne Bassett, Wiltshire, SN4 9QB (hereafter referred to as the 'site').

Purpose of Works

The purpose of this report is to provide information on the underlying ground conditions, infiltration rates and groundwater regime to assess the viability of infiltration and to inform future drainage design.

Proposed Development

The proposed redevelopment comprises the development of 2No residential dwellings with associated parking, access and landscaped areas.

Scope of Works

- ≡ Excavate 2No. mechanically dug trial pits to a maximum depth of 1.50m below ground level (bgl).
- ≡ Excavate 2No. Windowless Sampling Boreholes to depths of 5.00m bgl.
- ≡ Undertake 2No. soakaway infiltration tests in general accordance with the methodology set out in BRE Digest 365 (2016).
- ≡ Undertake groundwater monitoring.
- ≡ Provide a combined factual and interpretive report, including records of ground conditions and calculated infiltration/percolation rates, to inform the drainage design.

Limitations

This report presents Clear's observations, findings, and conclusions based on the information available and site conditions as understood at the time of reporting. These findings may be subject to change should material new information become available following the date of issue. This report has been prepared specifically for the Client. It may not be relied upon by any other party without Clear's prior written agreement, which will typically require the execution of a reliance letter incorporating our standard terms and conditions. Where reliance has been granted to third parties, this will be noted in the report.

Site Constraints

Soakaway testing was undertaken in general accordance with BRE Digest 365. Trial pits were excavated and filled with water once to assess the infiltration rates. Due to time constraints during the investigation and the observed infiltration characteristics, the pits could not be refilled the additional two times recommended within the guidance. Water levels were monitored at regular intervals to calculate infiltration rates.

Results reflect ground conditions at the specific test locations only and may not be representative of the wider site. Variations in soil type, groundwater conditions, or compaction may affect soakaway performance and should be considered during detailed drainage design.

Site Location

The site is located to the south of High Street, within the western portion of Winterbourne Bassett. A site location plan is presented below.



Figure 1: Site Location Plan

Ground Conditions

Ground Conditions Encountered

The ground conditions encountered during the excavation of the trial pits and windowless sampling boreholes are summarised below. An Exploratory Hole Location Plan is presented in Enclosure I.

Trial pit and windowless Sampling Logs are presented in Enclosure II.

Strata Description	Top Depth (m bgl)	Bottom Depth (m bgl)	Average Thickness (m)
Brown sandy gravelly CLAY TOPSOIL).	Ground Level	0.30 - 0.40	0.30 - 0.40
Greyish brown silty sandy CLAY.	0.30 - 0.40	1.20 - 1.50	0.80 - 1.10
Grey structureless CHALK. Recovered as grey thinly to thickly laminated friable clayey SILT.	1.20 - 1.50	1.50 - 5.00	0.20 - 3.70 (Depth not proven)

Groundwater

No groundwater was encountered during progression of any of the excavations. In addition, both boreholes were monitored for groundwater following completion of the works and were dry.

Soakaway Testing Results

Soakaway testing was completed in general accordance with BRE Digest 365.

The table below summarises the results, which are also contained as Enclosure III.

Location	Test Result	Outcome / Comments
TP01	Fail	Water level failed to fall between the 75% and 25% effective depth over 5 hour monitoring period.
TP02	Fail	

Closing Remarks

Ground conditions comprised topsoil over silty sandy clay to 1.20-1.50m below ground level (bgl), underlain by structureless chalk, recovered as grey thinly to thickly laminated friable clayey silt. These cohesive materials typically exhibit low permeability, and consequently poor infiltration performance would be anticipated. This was confirmed during the BRE 365 soakaway tests undertaken in TP01 and TP02, where water levels fell only 0.16m and 0.13m respectively over a 5-hour monitoring period, and did not achieve the required fall between 75% and 25% of the effective depth. On this basis, both soakaways are considered to have failed, demonstrating that infiltration drainage is unlikely to be viable at the tested locations.

The results of the testing should be passed to a drainage engineer to design a suitable scheme.

We trust this report is satisfactory and addresses your requirements. Should you have any queries, please do not hesitate to contact this office.



Ben Lawry BSc(Hons) FGS

Director

For and on behalf of Clear Environmental Ltd

Mobile: 07769178244

Email: ben@clearenviro.co.uk

251006

CL  **AR**

Enclosure I



Legend

-  Trial Pits
-  Windowless Sampling Boreholes
-  Site Boundary

Figure Title	
Exploratory Hole Location Plan	
Site Location	
Land adjacent to The Old Chapel, Winterbourne Basset	
Job Number	Figure Number
251006	201006.01
Prepared By	Date
BJL	13/11/2025
Client	
Catherine Pullan	

251006

C L  A R

Enclosure II



Borehole Log

WS01

Sheet 1 of 1

Hole Type BH	Easting	Northing	Ground Level (m)	Scale 1:50
Project Name Land adjacent to The Old Chapel, Winterbourne Bassett	Project No. 251006		Start Date 2025-11-14	End Date 2025-11-14

Client Catherine Pullan	Consultant Clear Environmental Limited	Contractor
----------------------------	---	------------

Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
						(0.40)		Brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to sub-angular flint and chalk (TOPSOIL).	
						0.40		Greyish brown silty sandy CLAY. Sand is fine to coarse. Gravel is angular to sub-angular flint.	0.5
						(1.10)		Grey structureless CHALK. Recovered as grey thinly to thickly laminated friable clayey SILT.	1.0
						1.50			1.5
									2.0
									2.5
									3.0
						(3.50)			3.5
									4.0
									4.5
						5.00		End of Borehole at 5.00m	5.0
									5.5
									6.0
									6.5
									7.0
									7.5
									8.0
									8.5
									9.0
									9.5
									10.0

Remarks Borehole terminated at scheduled depth. No groundwater encountered.	Method, Plant, Stability, Dimensions	Logger
--	--------------------------------------	--------



Borehole Log

WS02
Sheet 1 of 1

Hole Type BH	Easting	Northing	Ground Level (m)	Scale 1:50
Project Name Land adjacent to The Old Chapel, Winterbourne Bassett 251006	Project No.		Start Date 2025-11-14	End Date 2025-11-14

Client Catherine Pullan	Consultant Clear Environmental Limited	Contractor
----------------------------	---	------------

Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) (thickness)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
						(0.30)		Brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to sub-angular flint and chalk (TOPSOIL).	
						0.30		Greyish brown silty sandy CLAY. Sand is fine to coarse. Gravel is angular to sub-angular flint.	0.5
						(1.00)			1.0
						1.30		Grey structureless CHALK. Recovered as grey thinly to thickly laminated friable clayey SILT.	1.5
									2.0
									2.5
									3.0
						(3.70)			3.5
									4.0
									4.5
						5.00		End of Borehole at 5.00m	5.0
									5.5
									6.0
									6.5
									7.0
									7.5
									8.0
									8.5
									9.0
									9.5
									10.0

Remarks Borehole terminated at scheduled depth. No groundwater encountered.	Method, Plant, Stability, Dimensions	Logger
--	--------------------------------------	--------

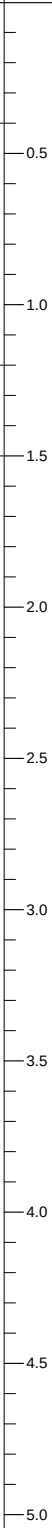


Trial Pit

TP01
Sheet 1 of 1

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land adjacent to The Old Chapel, Winterbourne Bassett	Project No. 251006		Start Date 2025-11-14	End Date 2025-11-14

Client Catherine Pullan	Consultant Clear Environmental Limited	Contractor
----------------------------	---	------------

Inst/ Backfill	Water Levels	Samples and Tests			Level	Depth	Strata		
		Depth (m)	Type/ Ref	Results	(m)	(m) (thickness)	Legend	Description	
						(0.40)		Brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to sub-angular flint and chalk (TOPSOIL).	
						0.40		Greyish brown silty sandy CLAY. Sand is fine to coarse. Gravel is angular to sub-angular flint.	
						(0.80)		Grey structureless CHALK. Recovered as grey thinly to thickly laminated friable clayey SILT.	
						1.20		Grey structureless CHALK. Recovered as grey thinly to thickly laminated friable clayey SILT.	
						(0.30)			
						1.50		<i>End of Trial Pit at 1.50m</i>	

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Land adjacent to The Old Chapel, Winterbourne Bassett	Project No. 251006		Start Date 2025-11-14	End Date 2025-11-14

Client Catherine Pullan	Consultant Clear Environmental Limited	Contractor
----------------------------	---	------------

Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) (thickness)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
						(0.40)		Brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to sub-angular flint and chalk (TOPSOIL).	
						0.40		Greyish brown silty sandy CLAY. Sand is fine to coarse. Gravel is angular to sub-angular flint.	
						(0.90)			
						1.30		Grey structureless CHALK. Recovered as grey thinly to thickly laminated friable clayey SILT.	1.5
						(0.20)			
						1.50		End of Trial Pit at 1.50m	
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial Pit terminated at scheduled depth. No groundwater encountered.	Method, Plant, Stability, Dimensions	Logger
---	--------------------------------------	--------

251006

C L  A R

Enclosure III

Project Number	251006	Location	TP01
----------------	--------	----------	------

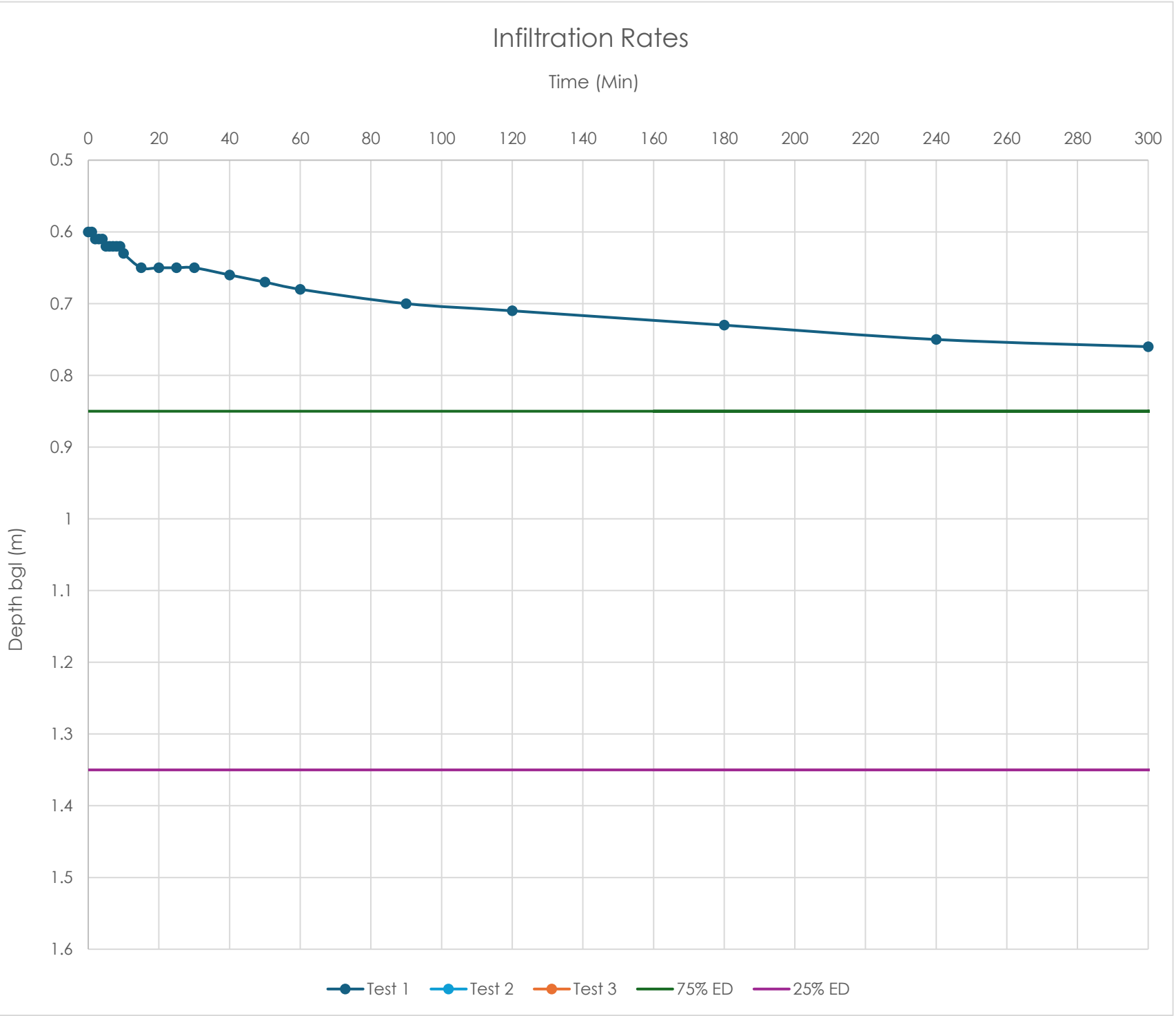
Calculated Infiltration Rate (ms ⁻¹)	=	FAIL
--	---	------

Time (min)	Water Level bgl (m)		
	Test 1	Test 2	Test 3
0.00	0.60		
1.00	0.60		
2.00	0.61		
3.00	0.61		
4.00	0.61		
5.00	0.62		
6.00	0.62		
7.00	0.62		
8.00	0.62		
9.00	0.62		
10.00	0.63		
15.00	0.65		
20.00	0.65		
25.00	0.65		
30.00	0.65		
40.00	0.66		
50.00	0.67		
60.00	0.68		
90.00	0.70		
120.00	0.71		
180.00	0.73		
240.00	0.75		
300.00	0.76		

Notes
Soakaway testing was undertaken in general accordance with *BRE Digest 365*. A trial pit was excavated and filled with water once to assess the infiltration rates. Due to the time constraints of the investigation and the infiltration rates, the pit could not be refilled an additional two times. Water levels were monitored at regular intervals to calculate infiltration rates.

The test did not achieve a fall in water level between 75% and 25% effective depth during monitoring. The water level within the soakaway only fell 16cm over the 5-hour test period and therefore the test is considered to have failed.

Test 1 Rate	Test 2 Rate	Test 3 Rate
N/A	N/A	N/A



Pit Width (m)	0.4	Pit Length (m)	1.45	Pit Depth (m)	1.6
---------------	-----	----------------	------	---------------	-----

Project Number	251006	Location	TP02
----------------	--------	----------	------

Time (min)	Water Level bgl (m)		
	Test No.		
	Test 1	Test 2	Test 3
0.00	0.60		
1.00	0.60		
2.00	0.60		
3.00	0.60		
4.00	0.60		
5.00	0.60		
6.00	0.60		
7.00	0.60		
8.00	0.60		
9.00	0.60		
10.00	0.60		
15.00	0.60		
20.00	0.61		
25.00			
30.00	0.62		
40.00	0.63		
50.00	0.64		
60.00	0.65		
90.00	0.66		
120.00	0.67		
180.00	0.69		
240.00	0.71		
300.00	0.73		

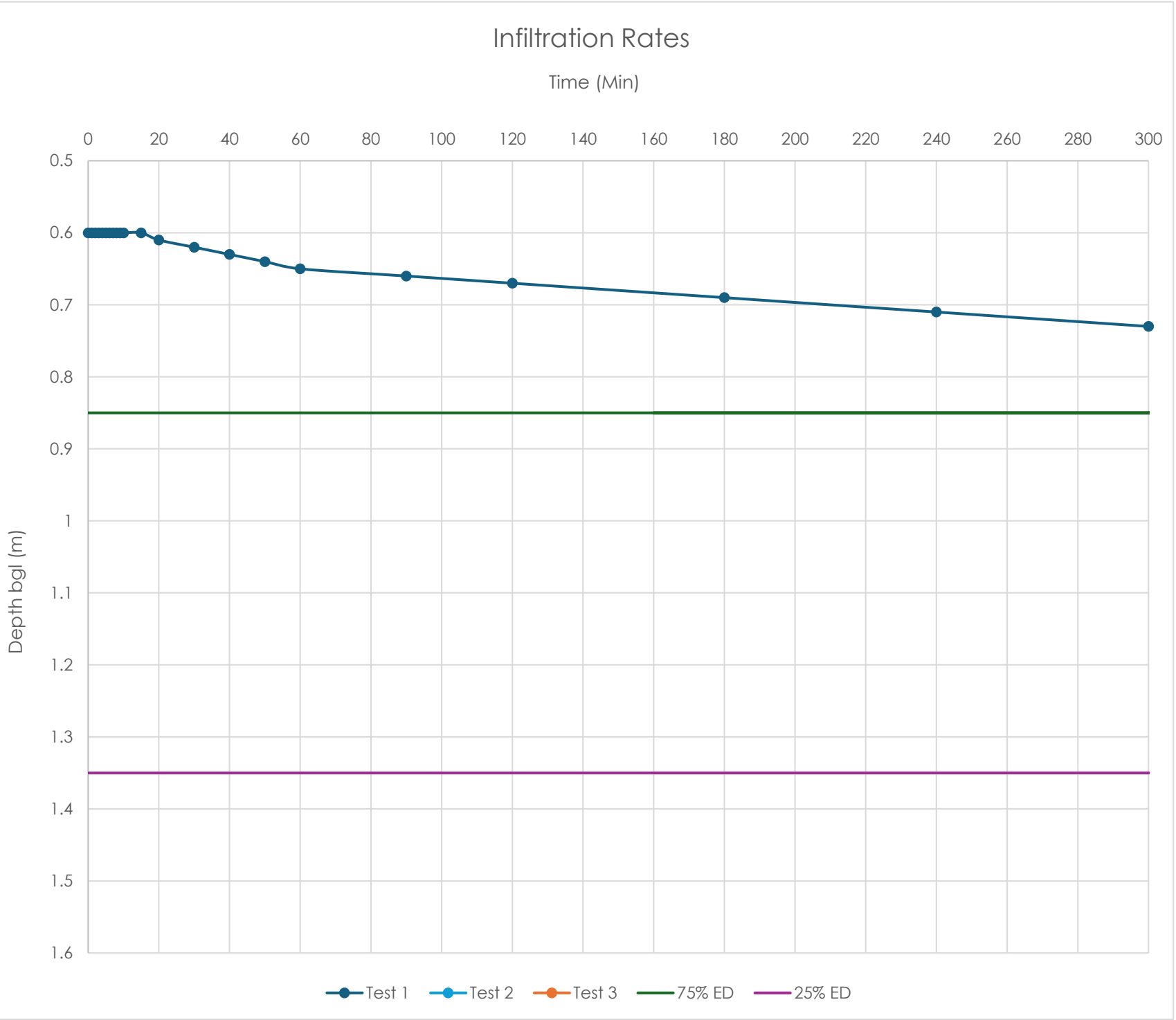
Notes
Soakaway testing was undertaken in general accordance with *BRE Digest* 365. A trial pit was excavated and filled with water once to assess the infiltration rates. Due to the time constraints of the investigation and the infiltration rates, the pit could not be refilled an additional two times. Water levels were monitored at regular intervals to calculate infiltration rates.

The test did not achieve a fall in water level between 75% and 25% effective depth during monitoring. The water level within the soakaway only fell 13cm over the 5-hour test period and therefore the test is considered to have failed.

Test 1 Rate	Test 2 Rate	Test 3 Rate
N/A	N/A	N/A

Calculated Infiltration Rate (ms⁻¹) =

FAIL



Pit Width (m)	0.4	Pit Length (m)	1.4	Pit Depth (m)	1.6
---------------	-----	----------------	-----	---------------	-----

Appendix D - Thames Water Asset Plan

Aegaea
SEVENTH FLOOR, 15-18 WEST STRE
BRIGHTON
BN1 2RL

Search address supplied The Old Chapel
Winterbourne Bassett
Swindon
SN4 9QB

Your reference 4486

Our reference ALS/ALS Standard/2025_5250206

Search date 10 November 2025

Keeping you up-to-date

Notification of price changes

We're changing our report prices from 4th June 2025. The price will increase by 3.5% based on Retail Price Index (RPI).

Find our new prices on our website thameswater.co.uk/property-searches

Any Questions? We're happy to talk through the changes with you – give our Property Searches team a call on 0800 009 4540 .



Thames Water Utilities Ltd
Property Searches,
Clearwater Court, Vastern Road, Reading RG1 8DB



property.searches@thameswater.co.uk
thameswater.co.uk/propertysearches



0800 009 4540

Search address supplied: The Old Chapel, Winterbourne Bassett, Swindon, SN4 9QB

Dear Sir / Madam

An Asset Location Search is recommended when undertaking a site development. It is essential to obtain information on the size and location of clean water and sewerage assets to safeguard against expensive damage and allow cost-effective service design.

The following records were searched in compiling this report: - the map of public sewers & the map of waterworks. Thames Water Utilities Ltd (TWUL) holds all of these.

This search provides maps showing the position and size of Thames Water assets close to the proposed development and also manhole cover and invert levels, where available.

Please note that none of the charges made for this report relate to the provision of Ordnance Survey mapping information. The replies contained in this letter are given following inspection of the public service records available to this company. No responsibility can be accepted for any error or omission in the replies.

You should be aware that the information contained on these plans is current only on the day that the plans are issued. The plans should only be used for the duration of the work that is being carried out at the present time. Under no circumstances should this data be copied or transmitted to parties other than those for whom the current work is being carried out.

Thames Water do update these service plans on a regular basis and failure to observe the above conditions could lead to damage arising to new or diverted services at a later date.

Contact Us

If you have any further queries regarding this enquiry please feel free to contact a member of the team on 0800 009 4540, or use the contact details below:

Thames Water Utilities Ltd
Property Searches
Clearwater Court
Vastern Road
Reading
RG1 8DB

Email: property.searches@thameswater.co.uk

Web: thameswater.co.uk/propertysearches

Waste Water Services

Please provide a copy extract from the public sewer map.

Enclosed is a map showing the approximate lines of our sewers. Our plans do not show sewer connections from individual properties or any sewers not owned by Thames Water unless specifically annotated otherwise. Records such as "private" pipework are in some cases available from the Building Control Department of the relevant Local Authority. Where the Local Authority does not hold such plans it might be advisable to consult the property deeds for the site or contact neighbouring landowners. The public sewer map relates only to sewerage apparatus of Thames Water Utilities Ltd, it does not disclose details of cables and or communications equipment that may be running through or around such apparatus. The sewer level information contained in this response represents all of the level data available in our existing records. Should you require any further Information, please refer to the relevant section within the 'Further Contacts' page found later in this document.

For your guidance:

- The Company is not generally responsible for rivers, watercourses, ponds, culverts or highway drains. If any of these are shown on the copy extract they are shown for information only.
- Any private sewers or lateral drains which are indicated on the extract of the public sewer map as being subject to an agreement under Section 104 of the Water Industry Act 1991 are not an 'as constructed' record. It is recommended these details be checked with the developer.

Clean Water Services

Please provide a copy extract from the public water main map.

Enclosed is a map showing the approximate positions of our water mains and associated apparatus. Please note that records are not kept of the positions of individual domestic supplies. For your information, there will be a pressure of at least 10m head at the outside stop valve. If you would like to know the static pressure, please contact our Customer Centre on 0800 316 9800. The Customer Centre can also arrange for a full flow and pressure test to be carried out for a fee.



For your guidance:

- Assets other than vested water mains may be shown on the plan, for information only.
- If an extract of the public water main record is enclosed, this will show known public water mains in the vicinity of the property. It should be possible to estimate the likely length and route of any private water supply pipe connecting the property to the public water network.

Further contacts:

Waste Water queries

Should you require verification of the invert levels of public sewers, by site measurement, you will need to approach the relevant Thames Water Area Network Office for permission to lift the appropriate covers. This permission will usually involve you completing a TWOSA form. You can do this by emailing customer.feedback@thameswater.co.uk with the email subject header 'Enquiry – TWOSA', along with details of the request.

If you have any questions regarding sewer connections, budget estimates, diversions or building over issues please direct them to our service desk which can be contacted by writing to:

Developer Services (Waste Water)
Thames Water
Clearwater Court
Vastern Road
Reading
RG1 8DB

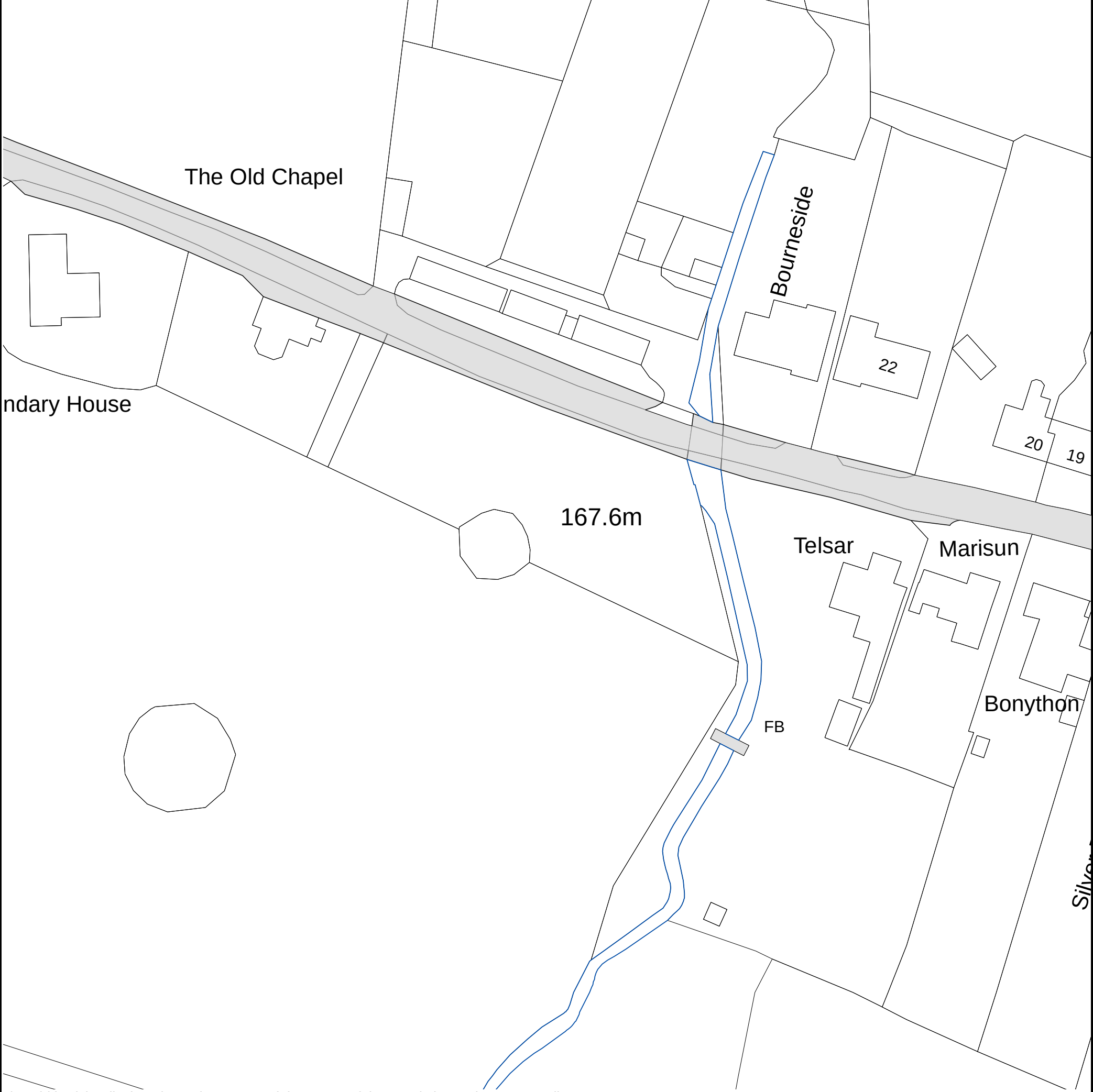
Tel: 0800 009 3921
Email: developer.services@thameswater.co.uk

Clean Water queries

Should you require any advice concerning clean water connections, please contact:

Developer Services (Clean Water)
Thames Water
Clearwater Court
Vastern Road
Reading
RG1 8DB

Tel: 0800 009 3921
Email: developer.services@thameswater.co.uk



The width of the displayed area is 200 m and the centre of the map is located at OS coordinates 409935,175082
The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.

Based on the Ordnance Survey Map (2024) with the Sanction of the controller of H.M. Stationery Office, License no. AC0000849556 Crown Copyright Reserved.

NB. Levels quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates that no survey information is available

Manhole Reference	Manhole Cover Level	Manhole Invert Level
n/a	n/a	n/a
The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.		



The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified before any works are undertaken. Crown copyright Reserved

Scale: 1:7161
Width: 2000m
Printed By: SAsbok1
Print Date: 10/11/2025
Map Centre: 409935,175082
Grid Reference: SU0975SE

Comments:

ALS/ALS Standard/2025_5250206

NB: Level quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates no Survey information is available.

REFERENCE	COVER LEVEL	INVERT LEVEL
3807	168.05	167.16
3702	165.73	164.38
371B		
381A		
381B		
381K		
381P		
381G		
381O		
381Q		
381F		
381L		
381S	167.85	167.52

REFERENCE	COVER LEVEL	INVERT LEVEL
2805	164.75	163.5
371A		
381D		
381E		
381C		
381H		
381J		
381I		
381M		
381N		
381R		
381T	167.85	167.38



Asset Location Search - Sewer Key

Public Sewer Types (Operated and maintained by Thames Water)

	Foul Sewer: A sewer designed to convey waste water from domestic and industrial sources to a treatment works.
	Surface Water Sewer: A sewer designed to convey surface water (e.g. rain water from roofs, yards and car parks) to rivers or watercourses.
	Combined Sewer: A sewer designed to convey both waste water and surface water from domestic and industrial sources to a treatment works.
	Storm Sewer
	Sludge Sewer
	Foul Trunk Sewer
	Surface Trunk Sewer
	Combined Trunk Sewer
	Foul Rising Main
	Surface Water Rising Main
	Combined Rising Main
	Vacuum
	Thames Water Proposed
	Vent Pipe
	Gallery

Other Sewer Types (Not operated and maintained by Thames Water)

	Sewer		Culverted Watercourse
	Proposed		Decommissioned Sewer
	Content of this drainage network is currently unknown		Ownership of this drainage network is currently unknown

Notes:

- 1) All levels associated with the plans are to Ordnance Datum Newlyn.
- 2) All measurements on the plan are metric.
- 3) Arrows (on gravity fed sewers) or flecks (on rising mains) indicate the direction of flow.
- 4) Most private pipes are not shown on our plans, as in the past, this information has not been recorded.

Sewer Fittings

A feature in a sewer that does not affect the flow in the pipe. Example: a vent is a fitting as the function of a vent is to release excess gas.

	Air Valve		Meter
	Dam Chase		Vent
	Fitting		

Operational Controls

A feature in a sewer that changes or diverts the flow in the sewer. Example: A hydrobrake limits the flow passing downstream.

	Ancillary		Drop Pipe
	Control Valve		Weir

End Items

End symbols appear at the start or end of a sewer pipe. Examples: an Undefined End at the start of a sewer indicates that Thames Water has no knowledge of the position of the sewer upstream of that symbol. Outfall on a surface water sewer indicates that the pipe discharges into a stream or river.

	Inlet		Outfall
	Undefined End		

Other Symbols

Symbols used on maps which do not fall under other general categories.

	Change of Characteristic Indicator		Public / Private Pumping Station
	Invert Level		Summit

Areas

Lines denoting areas of underground surveys, etc.

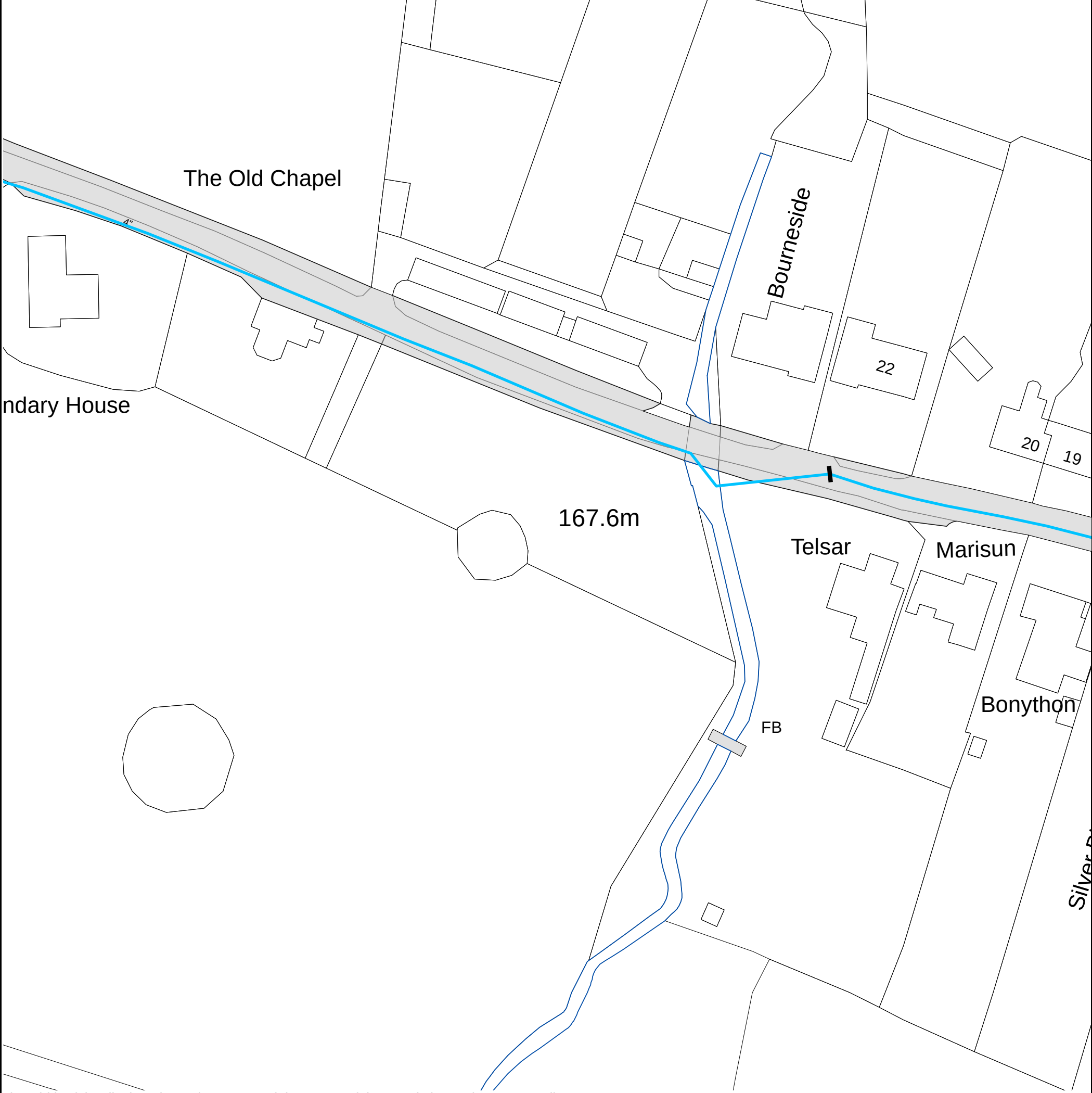
	Agreement
	Chamber
	Operational Site

Ducts or Crossings

	Casement	Ducts may contain high voltage cables. Please check with Thames Water.
	Conduit Bridge	
	Subway	
	Tunnel	

5) 'na' or '0' on a manhole indicates that data is unavailable.

6) The text appearing alongside a sewer line indicates the internal diameter of the pipe in millimeters. Text next to a manhole indicates the manhole reference number and should not be taken as a measurement. If you are unsure about any text or symbology, please contact Property Searches on 0800 009 4540.



The width of the displayed area is 200 m and the centre of the map is located at OS coordinates 409935, 175082.
The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.

Based on the Ordnance Survey Map (2024) with the Sanction of the controller of H.M. Stationery Office, License no. AC0000849556 Crown Copyright Reserved.



Asset Location Search - Water Key

Water Pipes (Operated & Maintained by Thames Water)

- 4"** **Distribution Main:** The most common pipe shown on water maps. With few exceptions, domestic connections are only made to distribution mains.
- 16"** **Trunk Main:** A main carrying water from a source of supply to a treatment plant or reservoir, or from one treatment plant or reservoir to another. Also a main transferring water in bulk to smaller water mains used for supplying individual customers.
- 3" SUPPLY** **Supply Main:** A supply main indicates that the water main is used as a supply for a single property or group of properties.
- 3" FIRE** **Fire Main:** Where a pipe is used as a fire supply, the word FIRE will be displayed along the pipe.
- 3" METERED** **Metered Pipe:** A metered main indicates that the pipe in question supplies water for a single property or group of properties and that quantity of water passing through the pipe is metered even though there may be no meter symbol shown.
- Transmission Tunnel:** A very large diameter water pipe. Most tunnels are buried very deep underground. These pipes are not expected to affect the structural integrity of buildings shown on the map provided.
- Proposed Main:** A main that is still in the planning stages or in the process of being laid. More details of the proposed main and its reference number are generally included near the main.

PIPE DIAMETER	DEPTH BELOW GROUND
Up to 300mm (12")	900mm (3')
300mm - 600mm (12" - 24")	1100mm (3' 8")
600mm and bigger (24" plus)	1200mm (4')

Valves

- General Purpose Valve
- Air Valve
- Pressure Control Valve
- Customer Valve

Hydrants

- Single Hydrant

Meters

- Meter

End Items

Symbol indicating what happens at the end of a water main.

- Blank Flange
- Capped End
- Emptying Pit
- Undefined End
- Manifold
- Customer Supply
- Fire Supply

Operational Sites

- Booster Station
- Other
- Other (Proposed)
- Pumping Station
- Service Reservoir
- Shaft Inspection
- Treatment Works
- Unknown
- Water Tower

Other Symbols

- Data Logger
- Casement:** Ducts may contain high voltage cables. Please check with Thames Water.

Other Water Pipes (Not Operated or Maintained by Thames Water)

- Other Water Company Main:** Occasionally other water company water pipes may overlap the border of our clean water coverage area. These mains are denoted in purple and in most cases have the owner of the pipe displayed along them.
- Private Main:** Indicates that the water main in question is not owned by Thames Water. These mains normally have text associated with them indicating the diameter and owner of the pipe.

Appendix E - Infodrainage Calculations

Project: AEG4486_SN4_WinterbourneBasset_07 Land adjacent to The Old Chapel, Winterbourne	Date: 23/12/2025		
	Designed by: DMC	Checked by: JA	Approved By: NB
Report Details: Type: Inflows Storm Phase: Phase	Company Address: Aegaea		



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Plot 2 Southern Roof Catchment

Type : Catchment Area

Area (ha)	0.01
-----------	------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Plot 2 Northern Roof Catchment

Type : Catchment Area

Area (ha)	0.01
-----------	------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Plot 2 Permabel Paving Catchment

Type : Catchment Area

Area (ha)	0.009
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Plot 2 Patio Catchment

Type : Catchment Area

Area (ha)	0.006
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project: AEG4486_SN4_WinterbourneBasset_07 Land adjacent to The Old Chapel, Winterbourne	Date: 23/12/2025		
	Designed by: DMC	Checked by: JA	Approved By: NB
Report Details: Type: Inflows Storm Phase: Phase	Company Address: Aegaea		



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Plot 1 Northern Roof Catchment

Type : Catchment Area

Area (ha)	0.006
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Plot 1 Southern Roof Catchment

Type : Catchment Area

Area (ha)	0.009
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Plot 1 Eastern Roof Catchment

Type : Catchment Area

Area (ha)	0.005
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Plot 1 Patio Catchment

Type : Catchment Area

Area (ha)	0.006
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project: AEG4486_SN4_WinterbourneBasset_07 Land adjacent to The Old Chapel, Winterbourne	Date: 23/12/2025		
	Designed by: DMC	Checked by: JA	Approved By: NB
Report Details: Type: Inflows Storm Phase: Phase	Company Address: Aegaea		


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Plot 1 Permeable Paving Catchment

Type : Catchment Area

Area (ha)	0.012
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project: AEG4486_SN4_WinterbourneBasset_07 Land adjacent to The Old Chapel, Winterbourne	Date: 23/12/2025		
	Designed by: DMC	Checked by: JA	Approved By: NB
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: Aegaea		



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Plot 2 Porous Paving

Type : Porous Paving

Dimensions

Exceedance Level (m)	168.250
Depth (m)	0.500
Base Level (m)	167.750
Paving Layer Depth (mm)	50
Membrane Percolation (m/hr)	3.0
Porosity (%)	30
Length (m)	16.339
Long. Slope (1:X)	1000.00
Width (m)	5.431
Total Volume (m³)	12.001

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	50
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015

Inlets

Inlet

Inlet Type	Lateral Inflow
Incoming Item(s)	Plot 2 Permabel Paving Catchment
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Lateral Inflow
Incoming Item(s)	Plot 2 Northern Roof Catchment
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe
Outlet Type	Orifice
Diameter (m)	0.050
Coefficient of Discharge	0.600
Invert Level (m)	167.750

Advanced

Conductivity (m/hr)	600.0
---------------------	-------

Project: AEG4486_SN4_WinterbourneBasset_07 Land adjacent to The Old Chapel, Winterbourne	Date: 23/12/2025		
	Designed by: DMC	Checked by: JA	Approved By: NB
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: Aegaea		



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Plot 1 Porous Paving

Type : Porous Paving

Dimensions

Exceedance Level (m)	168.000
Depth (m)	0.500
Base Level (m)	167.500
Paving Layer Depth (mm)	50
Membrane Percolation (m/hr)	3.0
Porosity (%)	30
Length (m)	16.248
Long. Slope (1:X)	1000.00
Width (m)	7.109
Total Volume (m³)	15.614

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	50
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015

Inlets

Inlet

Inlet Type	Lateral Inflow
Incoming Item(s)	Plot 1 Permabel Paving Catchment
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	Plot 1 Northern Roof Catchment
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe (3)
Outlet Type	Orifice
Diameter (m)	0.030
Coefficient of Discharge	0.600
Invert Level (m)	167.500

Advanced

Conductivity (m/hr)	500.0
---------------------	-------

Project: AEG4486_SN4_WinterbourneBasset_07 Land adjacent to The Old Chapel, Winterbourne	Date: 23/12/2025		
	Designed by: DMC	Checked by: JA	Approved By: NB
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: Aegaea		



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Plot 2 Cellular Storage

Type : Cellular Storage

Dimensions

Exceedance Level (m)	168.150
Depth (m)	0.800
Base Level (m)	167.050
Number of Crates Long	11
Number of Crates Wide	5
Number of Crates High	2
Porosity (%)	95
Crate Length (m)	1
Crate Width (m)	0.4
Crate Height (m)	0.4
Total Volume (m³)	17.020

Inlets

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	Plot 2 Patio Catchment
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (1)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe (2)
Outlet Type	Orifice
Diameter (m)	0.020
Coefficient of Discharge	0.600
Invert Level (m)	167.050

Project: AEG4486_SN4_WinterbourneBasset_07 Land adjacent to The Old Chapel, Winterbourne	Date: 23/12/2025		
	Designed by: DMC	Checked by: JA	Approved By: NB
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address: Aegaea		



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Plot 1 Cellular Storage

Type : Cellular Storage

Dimensions

Exceedance Level (m)	167.660
Depth (m)	0.400
Base Level (m)	166.860
Number of Crates Long	24
Number of Crates Wide	5
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	1
Crate Width (m)	0.4
Crate Height (m)	0.4
Total Volume (m³)	18.640

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	Plot 1 Southern Roof Catchment Plot 1 Patio Catchment Plot 1 Eastern Roof Catchment
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (4)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe (5)
Outlet Type	Orifice
Diameter (m)	0.020
Coefficient of Discharge	0.600
Invert Level (m)	166.860

Project: AEG4486_SN4_WinterbourneBasset_07 Land adjacent to The Old Chapel, Winterbourne		Date: 23/12/2025		 water, civils and environment	
		Designed by: DMC	Checked by: JA		Approved By: NB
Report Details: Type: Inflow Summary Storm Phase: Phase		Company Address: Aegaea			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Plot 1 Eastern Roof Catchment	Plot 1 Cellular Storage		Time of Concentration	0.005	100	10	110	0.005
Plot 1 Northern Roof Catchment	Plot 1 Porous Paving		Time of Concentration	0.006	100	10	110	0.007
Plot 1 Patio Catchment	Plot 1 Cellular Storage		Time of Concentration	0.006	100	10	110	0.007
Plot 1 Permabel Paving Catchment	Plot 1 Porous Paving		Time of Concentration	0.012	100	10	110	0.013
Plot 1 Southern Roof Catchment	Plot 1 Cellular Storage		Time of Concentration	0.009	100	10	110	0.009
Plot 2 Northern Roof Catchment	Plot 2 Porous Paving		Time of Concentration	0.010	100	10	110	0.011
Plot 2 Patio Catchment	Plot 2 Cellular Storage		Time of Concentration	0.006	100	10	110	0.006
Plot 2 Permabel Paving Catchment	Plot 2 Porous Paving		Time of Concentration	0.009	100	10	110	0.010
Plot 2 Southern Roof Catchment	Plot 2 Cellular Storage		Time of Concentration	0.010	100	10	110	0.011
TOTAL		0.0		0.072				0.079

Project: AEG4486_SN4_WinterbourneBasset_07 Land adjacent to The Old Chapel, Winterbourne	Date: 23/12/2025		
	Designed by: DMC	Checked by: JA	Approved By: NB
Report Title: Rainfall Analysis Criteria	Company Address: Aegaea		



Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	10
Junction Flood Risk Margin (mm)	300
Perform No Discharge Analysis	☐

Rainfall

FEH

Type: FEH

Site Location	GB 409934 175086 SU 09934 75086
Rainfall Version	2022
Summer	☒
Winter	☒

Return Period

Return Period (years)	Increase Rainfall (%)
2.0	0.000
30.0	0.000
100.0	0.000
30.0	35.000
100.0	40.000

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
240	480
360	720
480	960
960	1920
1440	2880

Project: AEG4486_SN4_WinterbourneBasset_07 Land adjacent to The Old Chapel, Winterbourne		Date: 23/12/2025		 water, civils and environment	
		Designed by: DMC	Checked by: JA		Approved By: NB
Report Title: UK and Ireland Rural Runoff Calculator		Company Address: Aegaea			

ICP SUDS / IH 124

Details

Method	ICP SUDS
Area (ha)	0.072
SAAR (mm)	800.0
Soil	0.1
Region	Region 8
Urban	0
Return Period (years)	0

Results

Region	QBAR Rural (L/s)	QBAR Urban (L/s)	Q 1 (years) (L/s)	Q 30 (years) (L/s)	Q 100 (years) (L/s)
Region 8	0.0	0.0	0.0	0.0	0.0

Project: AEG4486_SN4_WinterbourneBasset_07 Land adjacent to The Old Chapel, Winterbourne		Date: 23/12/2025		 water, civils and environment	
		Designed by: DMC	Checked by: JA		Approved By: NB
Report Details: Type: Inflows Summary Storm Phase: Phase		Company Address: Aegaea			



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

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Plot 2 Southern Roof Catchment	FEH: 100 years: +40 %: 15 mins: Summer	0.01	8.8	3.831
Plot 2 Northern Roof Catchment	FEH: 100 years: +40 %: 15 mins: Summer	0.01	9.0	3.909
Plot 2 Permabel Paving Catchment	FEH: 100 years: +40 %: 15 mins: Summer	0.01	8.1	3.520
Plot 2 Patio Catchment	FEH: 100 years: +40 %: 15 mins: Summer	0.01	5.4	2.330
Plot 1 Northern Roof Catchment	FEH: 100 years: +40 %: 15 mins: Summer	0.01	5.9	2.548
Plot 1 Southern Roof Catchment	FEH: 100 years: +40 %: 15 mins: Summer	0.01	7.8	3.383
Plot 1 Eastern Roof Catchment	FEH: 100 years: +40 %: 15 mins: Summer	0.00	4.3	1.851
Plot 1 Patio Catchment	FEH: 100 years: +40 %: 15 mins: Summer	0.01	5.9	2.572
Plot 1 Permabel Paving Catchment	FEH: 100 years: +40 %: 15 mins: Summer	0.01	10.6	4.591

Project: AEG4486_SN4_WinterbourneBasset_07 Land adjacent to The Old Chapel, Winterbourne		Date: 23/12/2025		
		Designed by: DMC	Checked by: JA	Approved By: NB
Report Details: Type: Junctions Summary Storm Phase: Phase		Company Address: Aegaea		


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

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
Plot 2 Manhole	FEH: 100 years: +40 %: 120 mins: Winter	168.250	167.500	167.672	0.172	0.8	0.195	0.000	0.7	7.766	Surcharged
Plot 2 Outflow	FEH: 100 years: +40 %: 480 mins: Winter	168.290	166.790	166.804	0.014	0.7	0.000	0.000	0.7	30.082	OK
Plot 1 Manhole	FEH: 100 years: +40 %: 480 mins: Winter	167.600	167.000	167.246	0.246	0.3	0.278	0.000	0.3	11.685	Surcharged
Plot 1 Outflow	FEH: 100 years: +40 %: 960 mins: Summer	168.290	166.790	166.808	0.018	0.5	0.000	0.000	0.5	39.863	OK

Project: AEG4486_SN4_WinterbourneBasset_07 Land adjacent to The Old Chapel, Winterbourne		Date: 23/12/2025		
		Designed by: DMC	Checked by: JA	Approved By: NB
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address: Aegaea		



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

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residant Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)
Plot 2 Porous Paving	FEH: 100 years: +40 %: 240 mins: Summer	168.194	168.175	0.427	0.425	4.5	11.383	0.000	0.000	0.8	14.539	158	5.155
Plot 1 Porous Paving	FEH: 100 years: +40 %: 480 mins: Winter	167.940	167.934	0.424	0.434	1.7	14.879	0.000	0.000	0.3	12.011	560	4.709
Plot 2 Cellular Storage	FEH: 100 years: +40 %: 480 mins: Winter	167.846	167.846	0.796	0.796	2.1	16.635	0.000	0.000	0.7	30.095	243	2.265
Plot 1 Cellular Storage	FEH: 100 years: +40 %: 960 mins: Summer	167.249	167.249	0.389	0.389	1.9	17.754	0.000	0.000	0.5	39.880	370	4.754

Project: AEG4486_SN4_WinterbourneBasset_07 Land adjacent to The Old Chapel, Winterbourne	Date: 23/12/2025			
	Designed by: DMC	Checked by: JA	Approved By: NB	
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Company Address: Aegaea			

Status
OK
OK
OK
OK

Project: AEG4486_SN4_WinterbourneBasset_07 Land adjacent to The Old Chapel, Winterbourne		Date: 23/12/2025		
		Designed by: DMC	Checked by: JA	Approved By: NB
Report Details: Type: Connections Summary Storm Phase: Phase		Company Address: Aegaea		


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FEH: 100 years: Increase Rainfall (%): +40: 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	FEH: 100 years: +40 %: 240 mins: Summer	Pipe	Plot 2 Porous Paving	Plot 2 Manhole	168.266	168.178	0.149	14.526	0.7	0.02	0.8	Surcharged
Pipe (3)	FEH: 100 years: +40 %: 480 mins: Winter	Pipe	Plot 1 Porous Paving	Plot 1 Manhole	168.016	167.929	0.127	12.004	0.4	0.01	0.3	Surcharged
Pipe (5)	FEH: 100 years: +40 %: 960 mins: Summer	Pipe	Plot 1 Cellular Storage	Plot 1 Outflow	167.660	167.249	0.018	39.863	0.4	0.03	0.5	Surcharged
Pipe (4)	FEH: 100 years: +40 %: 480 mins: Winter	Pipe	Plot 1 Manhole	Plot 1 Cellular Storage	167.600	167.246	0.150	11.685	0.1	0.02	0.3	Surcharged
Pipe (1)	FEH: 100 years: +40 %: 120 mins: Winter	Pipe	Plot 2 Manhole	Plot 2 Cellular Storage	168.250	167.672	0.100	7.766	0.1	0.08	0.7	Surcharged
Pipe (2)	FEH: 100 years: +40 %: 480 mins: Winter	Pipe	Plot 2 Cellular Storage	Plot 2 Outflow	168.150	167.846	0.014	30.082	1.0	0.04	0.7	Surcharged