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Embassy Village

Verification Report & Maintenance Strategy

Curtins Ref: **077442-CUR-00-XX-T-C-9200**
Revision: P02
Issue Date: 27 May 2026

Client Name: Embassy

Site Address: Dawson Street, Manchester, M15 4NU

Rev	Description	Issued by	Checked	Date
P01	First Issue	JC	CS	14 April 2026
P02	Maintenance Information Updated	JC	CS	27 May 2026

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Reviewed	Signature	Date
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1 Introduction

1.1 Project Background

Curtins have been appointed by Embassy to provide a verification and maintenance plan for the below ground drainage design for Embassy Village, Manchester.

The report is based on currently available information and best practice guidance.

Proposals contained or forming part of this report represent the design intent and may be subject to alteration or adjustment in completing the detailed design for this project. Where such adjustments are undertaken as part of the detailed design and are deemed a material deviation from the intent contained in this document, prior approval shall be obtained from the relevant authority in advance of commencing such works.

The surface water network has been designed to accommodate the 1 in 100-year storm rainfall event plus 40% for climate change. As the flows are being attenuated by on site features, there will be a period of time after storm events where the network is still partially or fully surcharged and is draining down. Where this surcharging is still present after 48hrs appropriate action should be taken.

1.2 Planning Condition

This report has been produced to satisfy the discharge requirements of planning permission Condition 14 which is as follows:

'The development hereby approved shall not be occupied until details of the implementation, maintenance and management of the sustainable drainage scheme have been submitted to and approved by the City Council as Local Planning Authority. The scheme shall be implemented and thereafter managed and maintained in accordance with the approved details. Those details shall include:

- Verification report providing photographic evidence of construction as per design drawings.

- As built drawings if different from design construction drawings.

- Management and maintenance plan for the lifetime of the development which shall include the arrangements for adoption by any public body or statutory undertaker, or any other arrangements to secure the operation of the sustainable drainage scheme throughout its lifetime.

Reason- To manage flooding and pollution and to ensure that a managing body is in place for the sustainable drainage system and there is funding and maintenance mechanism for the lifetime of the development, pursuant to policy EN17 of the Manchester Core Strategy.'

1.3 Scope of the Maintenance Strategy

This report demonstrates the below ground drainage which has been installed for the development site and provides product information to inform future maintenance requirements.

This manual is intended to give an overview of the operation and maintenance for the drainage features included with the drainage strategy and in relation to typical details only. Where proprietary products are specified the manufacturer's instructions and recommendations should be followed in priority to this document unless specifically noted otherwise due to project constraints.

The recommended operations and frequencies are typical only and should be more frequent initially to ensure that there are no unforeseen issues with the operation and then adjusted to suit the site requirements.

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2 Drainage Strategy

2.1 General

The drainage network on site is a private drainage network with an off-site section of the network being in public ownership, managed by United Utilities.

The drainage network is a separate foul and surface water system within the development.

Surface water discharges to the Bridgewater Canal to the southwest of the site. Foul water is pumped off site to Water Street, north of the site, where it discharges to an existing public combined sewer.

2.2 Foul Drainage

The private foul water drainage collects at a pumping station at the centre of the site where it is then pumped off site, via a rising main, to a manhole within Water Street. This manhole discharges to the existing public combined sewer via a gravity connection to a new manhole.

The Final Construction Drainage Drawings are enclosed in *Appendix D*.

2.3 Surface Water Drainage

Any new development site drainage should be designed in accordance with current best practice to provide adequate capacity not to flood for the critical 1 in 30-year storm event and flood water generated for up to the critical 1 in 100-year plus climate change storm event shall be constrained within the areas on site so not to cause damage to buildings, essential services or adjoining developments and services.

Assessment was completed at preliminary design stage to confirm the most viable method of discharge was to the Bridgewater Canal at an unrestricted rate.

There are no requirements for attenuation as surface water will discharge from site at an unrestricted rate

Further details of the full drainage system can be found in the surface water drainage calculations enclosed in *Appendix F.*

2.4 Approvals

The adoption of the off-site section of the rising main and gravity sewer within Water Street has been approved under a Section 104 Agreement with United Utilities. Application reference no: 06776848

The S104 agreement and correspondence with UU is enclosed in Appendix A.

The S104 installation agreement from UU is currently outstanding. Foul water rising main as-built drawings have been submitted to UU for construction approval. This report will be updated once construction approval has been confirmed by UU.

The S106 installation agreement from UU is enclosed in Appendix A.

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3 Verification

3.1 Introduction

The verification section has been developed with reference to the drainage design details and philosophy provided in section 2 of this report. Manchester City Council requirements are to verify the installation of the Drainage and SuDS to confirm by Photographic record that this has been installed.

The following elements have been recorded to date:

- Pumping Station & Rising Main
- Surface Water Outfall Arrangement
- Drainage Channels
- Permeable Drainage Surface

A CCTV survey has also been provided along to ensure the drainage has been installed as per Curtins design.

3.2 Photographic Information



Figure - Pumping Station

For photographic evidence of rising main, valve chamber and air valve refer to Appendix E: Pumping Station Commissioning Certificates & Rising Main Installation.

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Figure 1 - Surface Water Outfall Arrangement

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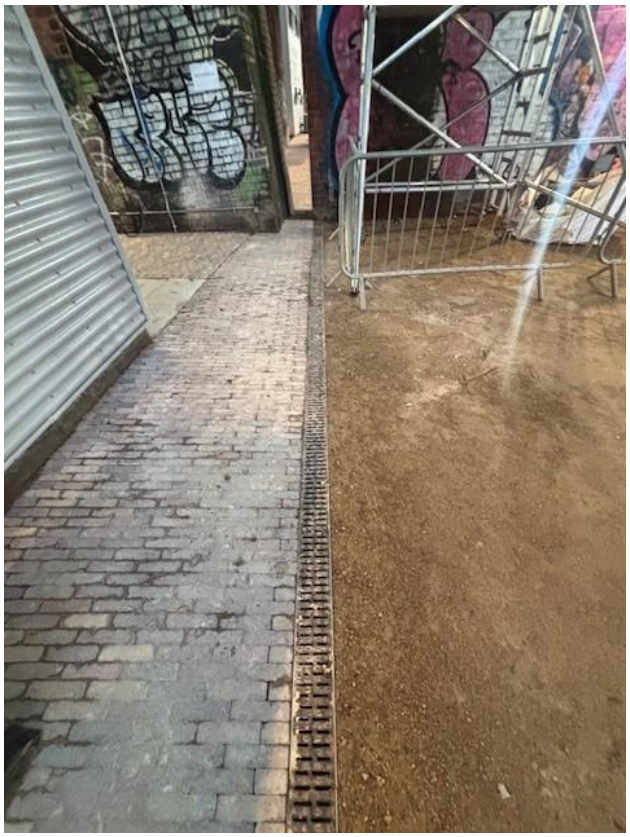


Figure 3 – Drainage Channels

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Refer to Curtins drawing 077442-CUR-XX-XX-DR-C-92500 & 92501 for drainage component locations and further information.

As part of a Phase 2 package of works, the permeable paving and surfaces will be delivered at a later date. The current surfaces are a permeable gravel finish.



Figure 4 – Permeable Drainage Surface

3.3 Certificates

Vermont have provided installation certificates from the drainage contractor certifying the installation of the foul pumping station and associated rising main.

The certificates are available in *Appendix E*.

3.4 CCTV Survey and Final Construction information

Vermont have confirmed the drainage has been installed to Curtins design and have provided As Built information. This has been reflected on the Final Construction drawings enclosed in *Appendix D.*

The survey confirms that the foul network appears to be in general good condition, however a few defects have been noted and logged in CCTV Review Defects 260313. The foul CCTV Report and the list of defects is available in *Appendix C.* Vermont has confirmed that these defects will be rectified.

The foul CCTV Report is available in *Appendix C.*

As the surface water outfall to the canal is below the water level, the surface water network is continuously surcharged. Due to this, the on-site team have confirmed that a CCTV survey on the installed surface water network is not viable.

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3.5 Surface Water Outfall Arrangement

It is noted that the outfall grille product installed cannot be identified and is not the Althon 300mm Vermin Mesh Grille specified on Curtins drawing 077442-CUR-XX-XX-D-C-92521. The outfall grille fitted does not have a hinged door for easy maintenance. As the product cannot be identified, we are unable to guarantee the working life span of the product. However, it is noted that the installed product may continue to work as desired as a vermin screen and not affect flow out of the pipe.

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4 General Maintenance

4.1 Components

This section is intended to give an overview of the operation and maintenance for the drainage features included with the drainage strategy and in relation to typical details. Where proprietary products are specified, the manufacturer's instructions and recommendations should be followed in priority to this document unless specifically noted otherwise due to project constraints.

The recommended operations and frequencies are typical only and should be more frequent initially to ensure that there are no unforeseen issues with the operation and then adjusted to suit the site requirements.

The following components have been included within the drainage design for the proposed development:

- Inspection, Manhole and Catchpit Chambers
- Pipes
- Pump Station

A suitable maintenance strategy should be adopted to ensure the drainage network is cleaned regularly and the routine maintenance and cleansing regime should be documented.

The maintenance of the private drainage network will be the responsibility of the on-site facilities management team. Any maintenance required will be organised by the on-site facilities manager.

The surface water network has been designed to accommodate the 1 in 100 year storm rainfall event plus an allowance for 40% climate change particular to the requirements of the site. As the flows are generally being attenuated on site and within SuDS features there will be a period of time after storm events where the network is still partially or fully surcharged and is draining down. Where this surcharging is still present after 48hrs appropriate action should be taken as noted below.

It is recommended that the drainage system is inspected as a minimum twice a year, with the system also being inspected after any major storm event.

Significant sediment deposition is likely in areas used for storage, so a post clean-up operation may be required including the removal of litter, vegetation, sewerage debris and larger objects.

Long-term management practices include monthly sweeping of external paved areas. The sweeping program will remove sand and contaminants directly from paved surfaces before they become mobilised during storm events and transported to the drainage system.

During the winter months, drainage features such as gullies and channels should be cleared of ice, snow, debris or litter.

Sediment/material removal should be undertaken in consultation with the environmental regulator to confirm appropriate protocols; especially where run-off is taken from potentially contaminated areas such as the filter drains and the upstream/downstream chambers.

4.2 Inspection, Manhole and Catchpit Chambers

The locations of the chambers are to be indicated on Curtins Final Construction Drainage Drawings once as built information is provided.

Access points have been located at the head of each run, at a change in direction and at a change of pipe size in accordance with Building Regulations Part H.

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The appropriate barriers and signage should be installed during any opening of manholes to warn site users/pedestrians.

When accessing chambers, the latest Health and Safety legislation should be adhered to.

The appropriate health and safety equipment must be used when accessing manholes. Confined space certificates must be held by any personnel entering a manhole and the appropriate permits should be obtained from the Facilities Maintenance Manager prior to any access.

Sediment\material removal should be undertaken in consultation with the environmental regulator to confirm appropriate protocols; especially where run-off is taken from potentially contaminated areas.

Maintenance Schedule	Required Action	Frequency
Monitoring (to be undertaken more regularly within the first year of operation and adjusted as required)	Initial inspection should be provided as post construction CCTV survey.	N/A
	Inspect for evidence of poor operation via water level in chambers. If required take remedial action.	3-monthly, 48 hours after large storms.
Occasional maintenance	Check and remove large vegetation growth near pipe runs.	6 monthly
Remedial actions	Rod through poorly performing runs as initial remediation.	As required.
	If continued poor performance jet and CCTV survey poorly performing runs.	As required.
	Seek advice as to remediation techniques suitable for the type of performance issue and location.	As required If above does not improve performance.

4.3 Pipes

The locations of the pipes are to be indicated on Curtins Final Construction Drainage Drawings once as built information is provided.

Pipes are proprietary products, and the materials can vary across the site and as such where used the manufacture's recommendations should be followed. Regardless of the product used the pipes are fully compliant with the Curtins drainage specification.

Pipes are intended to be the main conveyance across the development and where oversized they form the attenuation volume required by the limitation of the discharge rate. They are intended to be dry except for during rainfall events. These have been designed to be self-cleansing where possible for smaller diameter pipes. For larger diameter pipes the risk is reduced due to the overall pipe size.

Access for maintenance is provided through access chambers and manholes.

Regular inspection and maintenance is important to identify areas which may have been obstructed/clogged and may not be drainage correctly thus exposing the development to a greater level of flood risk.

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Maintenance Schedule	Required Action	Frequency
Monitoring (to be undertaken more regularly within the first year of operation and adjusted as required).	Initial Inspection should be provided as post construction CCTV survey.	N/A
Regular maintenance\ inspection	Inspect for evidence of poor operation via water level in chambers. If required, take remedial action.	3-monthly, 48 hours after large storms.
	Check and remove large vegetation growth near pipe runs.	Monthly or as required
Remedial Action	Rod through poorly performing runs as initial remediation.	As required.
	If continued poor performance jet and CCTV survey poorly performing runs.	As required.
	Seek advice as to remediation techniques suitable for the type of performance issue and location.	As required If above does not improve performance.

Regular maintenance\ inspection	Brushing and Vacuuming	Three times/year at end of winter, mid-summer, after autumn leaf fall, or as required based on site specific observations of clogging or manufacturers' recommendations.
Occasional maintenance	Stabilise and mow contributing and adjacent areas.	As required and as per landscape architect's specification.
	Removal of weeds	As required.
Remedial Action	Remediate any landscaping which, through vegetation maintenance or soil slip, has	As required.

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	been raised to within 50 mm of the level of the paving.	
	Remedial work to any depressions, rutting and cracked or broken blocks considered detrimental to the structural performance or a hazard to users.	As required.
	Rehabilitation of surface and upper sub-structure. This could include replacement of the jointing and bedding material. The upper geotextiles layer may also need replacing if clogged and Terram 1000 has a life span of 25 years.	As required (if infiltration performance is reduced as a result of significant clogging).

4.4 Pump Stations

The location of the pumps is to be indicated on Curtins Final Construction Drainage Drawings once as built information is provided.

The pumps are intended for flood control and flow restriction.

Access for maintenance has been provided by locating the pumps within a manhole chamber.

Manufacturers information is enclosed in Appendix B.

Maintenance Schedule	Required Action	Frequency
Monitoring (to be undertaken more regularly within the first year of operation and adjusted as required).	Inspect inlets for blockages, and clear if required. If faults persist jetting and CCTV survey may be required.	Monthly and after large storms.
Regular maintenance\ inspection	Inspect and identify any areas that are not operating correctly. If required, take remedial action.	Monthly for 3 months, then six monthly.
	Debris removal from catchment surface (where may cause risks to performance).	Monthly
	Remove sediment from pre-treatment structures and flow control chambers.	Annually (or as required after heavy rainfall events)

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Remedial Actions	Repair/rehabilitation of inlets.	As required.

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Appendix A

United Utilities Section 104 Approvals

United Utilities Section 106 Approvals

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United Utilities Inspection Notice

This form is to confirm a new connection has been made to an existing public sewer under Section 106 of the Water Industry Act 1991

Water for the North West

Site details: Details of the site or premise that have been connected to the public sewer	
United Utilities notification reference (EC/NC/SC/WC)	08351790
Site address	EMBASSY VILLAGE, EGERTON STREET, M15 4LG Water Street
Development type	New property

Contractor Details			
Contractor name / Company Name	CH Civils Ltd		
Contractor Email Addess	[redacted]		
Works Supervisor	Paul Howland		
Confirm sewer 'log on' & 'log off' procedure followed	Yes ☑	No ☐	

Principal Contractor Details (if applicable)			
Company name (if applicable)	Vermont Construction		
Name of Contact for Project	Corbin Mingo		
Email Address	[redacted]		
Number of site inspections conducted by United Utilities	1		

Connection details			
Sewer connection type	Foul		
Foul sewer pipesize diameter	150mm		
Connecting into:	sewer	Existing Sewer Type	Combined
Connecting to asset:	new manhole construction		
Connection Location	Water Street Manchester		

Outcome	
Connection status	Satisfactory

Comments
I can confirm that the Foul Sewer connection is SATISFACTORY - 150mm Foul Sewer connecting into the sewer Combined connected via new manhole construction in Water Street Manchester

Approved: I confirm the sewer connection detailed above has been satifactorily completed and inspected

Developer Services Inspector	Marcus Jones
Date of Inspection	05/12/2025

Jacob Collin

From: [redacted]
Sent: 17 October 2025 10:20
To: Jacob Collin
Cc: Charlie Smith; [redacted]
Subject: Technical Acceptance - S104 Embassy Village Manchester – REF 06776848
Attachments: Section 104 pre-start invoice - Embassy Village.pdf; 10191 Contractors Guide v3.pdf

Good afternoon,

Our ref: 06776848
Re: S104, Embassy, Embassy Village, Manchester

On Behalf of: Jyotsanesh Seetulparsad

I refer to your correspondence dated *08/10/2025* and to the plans enclosed therewith, and would inform you that your submission is now satisfactory for incorporating into a Water Industry Act 1991, Section 104 Agreement, providing that the works can be constructed in full accordance with the acceptable drawings numbered as follows;

S104 Agreement Plan – 077442-CUR-XX-XX-DR-C-92000_P06 S104 Drainage Layout
A3 Land Registry Compliant Plan – 077442-CUR-XX-XX-DR-C-92020_P04 S104 Land Registry Plan
Long Sections – 077442-CUR-XX-XX-DR-C-92010_P05 S104 Long Section
Manhole Schedules and/or 1:20 Manholes Details – 077442-CUR-XX-XX-DR-C-92030_P01 S104 1 - 20 Manhole Detail

United Utilities Standard Construction Details are available for download via the following link. ***Please note: This will only be applicable to submissions working to Sewers for Adoption 6th Edition or for components included within the submission that are not covered by the Design & Construction guidance (i.e. flow control manholes or similar)***.

To enable the Section 104 Agreement to be completed and inspections to start on site, I would be grateful if you could now provide me with the following:

- Sign and return the enclosed “Request for approval to commence construction of sewers before signing of agreement form.”

The Developer or contractor is responsible for verifying all existing service positions and levels on site, including those of the existing public sewerage system, before work commences.

Any costs associated with service diversions required to enable the scheme to be carried in accordance with the acceptable drawings must be borne by the developer.

Where connections are to be made to existing public sewer manholes, the costs for rebuilding the manhole to United Utilities requirements, if deemed necessary by United Utilities, must be borne by the developer. If the works cannot be constructed in accordance with the acceptable plans, the developer must submit revised proposals for appraisal before continuing with the works.

The developer must also obtain specific permission to construct any new manhole or make any connections to the public sewerage system. Please visit our website by clicking here where you will find the S106 Sewer Connection Application form. The form is in two parts but only the second part is required for this scheme which is called **‘Request for permission to work on a public sewer’** application form, which the appointed contractor must complete and return to the address on the form.

I look forward to receiving the drawings and information requested above at your earliest convenience, but should you require any further information in the meantime, please do not hesitate to contact me.

Kind regards

Chloe McShane
Assistant Developer Engineer
Developer Services & Metering
M: 01925 429078
T: 0345 072 6067
unitedutilities.com

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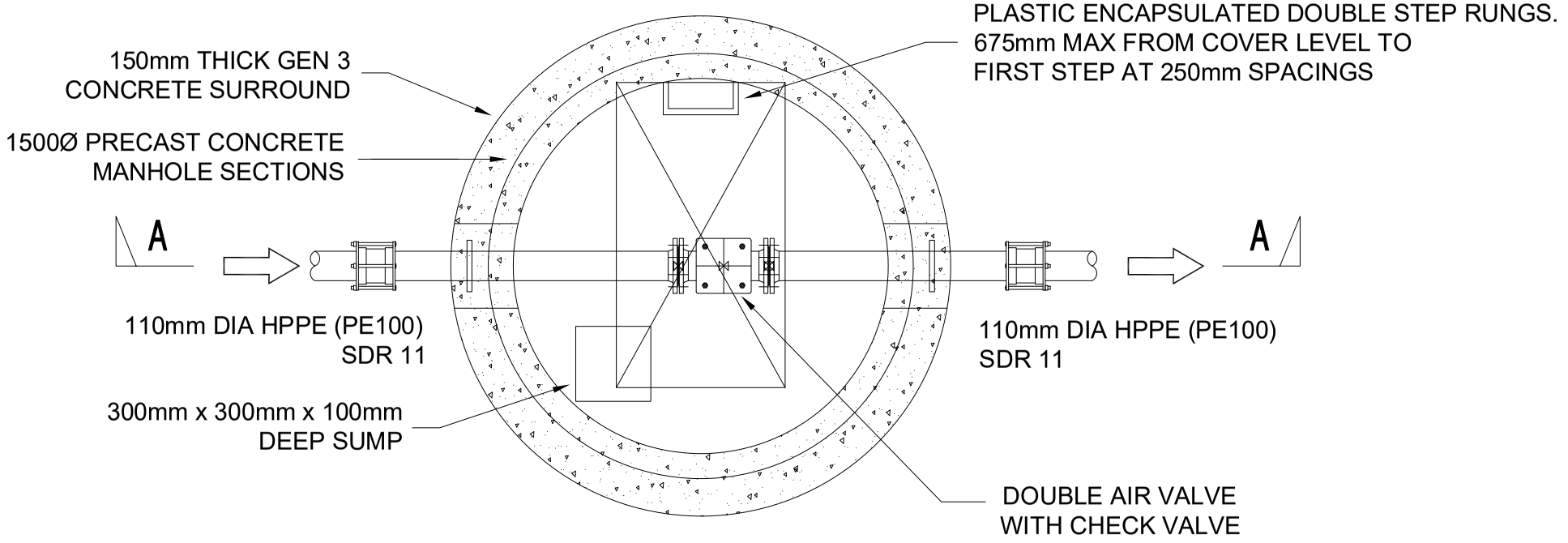
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Appendix B

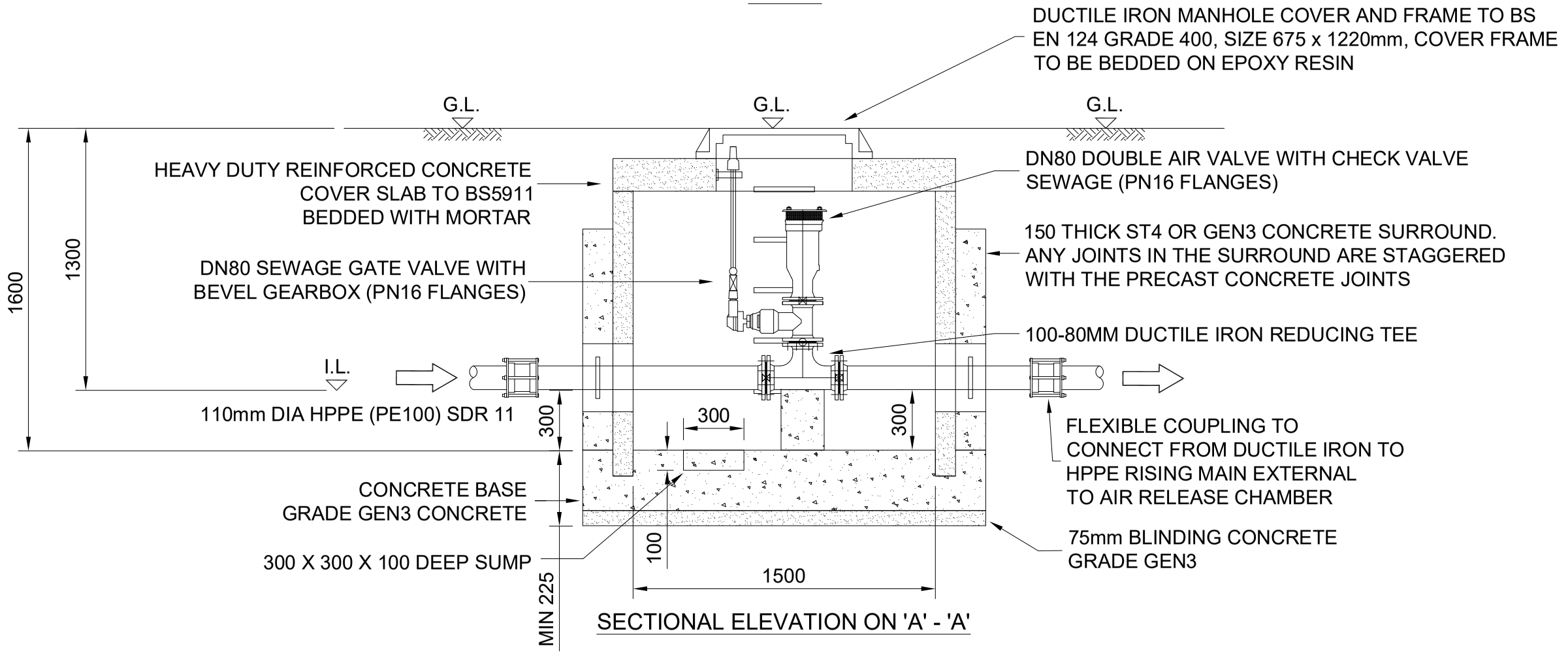
Rising Main Manufacturers Information

Pump Station Manufacturers Information

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SEWAGE AIR VALVE CHAMBER PLAN



SECTIONAL ELEVATION ON 'A' - 'A'

SEWAGE AIR VALVE CHAMBER SECTION

NOTES

1 DO NOT SCALE.

2 UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES AND ALL INVERTS IN METRES AOD.

3 ALL CIVILS, MECHANICAL AND ELECTRICAL WORKS AND EQUIPMENT IN ACCORDANCE WITH THE SEWERAGE SECTOR GUIDANCE (SSG) DESIGN AND CONSTRUCTION GUIDANCE (DCG)

4 ALL CIVIL WORKS ARE THE RESPONSABILITY OF THE DEVELOPER OR CONTRACTOR INCLUDING THE FIXING OF STEELWORK SUCH AS ACCESSS COVERS AND PENSTOCKS ETC, INSTALLATION OF CABLE DUCTS, BENCHING AND MAKING GOOD AROUND PIPES AFTER INSTALLATION

5 REINFORCING BARS ARE TO BE A MINIMUM OF 75mm BELOW THE SURFACE. ANY STRUCTURAL DETAILING/ CIVIL WORKS SHOWN ON THIS DRAWING ARE ILLUSTRATIVE ONLY UNLESS OTHERWISE STATED AND SHOULD NOT BE USED FOR CONSTRUCTION.

6 BENCHING IS TO BE FORMED AFTER PUMP INSTALLATION AND TO BE IN ACCORDANCE WITH THE APPLICABLE CODES FOR ADOPTION AND ADOPTING AUTHORITY SPECIFICATION.

7 UNLESS OTHERWISE STATED, ALL DUCTS ARE TO BE 150mm DIAMETER AND BE COMPLETE WITH DRAW ROPES. SERVICE DUCTS TO BE TO THE UTILITY SUPPLIER'S SPECIFICATION.

8 DUCT ROUTES ARE SHOWN DIAGRAMMATICALLY ONLY. ALL DUCTS TO BE LAID IN THE MOST DIRECT ROUTE TO SUIT THE SERVICE BEING CARRIED AVOIDING ANY ACUTE CHANGES OF DIRECTION. NO APPARATUS UNDER TANKER HARDSTANDING.

9 LEVEL CONTROL POSITIONS ARE DIAGRAMMATIC ONLY. THEY WILL BE POSITIONED AWAY FROM OBSTRUCTIONS AND BE READILY ADJUSTABLE AFTER INSTALLATION.

10 ALL FIXING TO BE STAINLESS STEEL

11 ALL EXTRANEOUS METAL WORK TO BE EQUIPOTENTIALLY BONDED WITH SAFETY ELECTRICAL EARTH 'DO NOT REMOVE' LABELS FITTED.

12 ALL PUMPING PIPEWORK TO HAVE PUDDLE FLANGES THROUGH CHAMBER WALLS WHERE GROUND WATER HIGH (WITHIN 1M OF CHAMBER FORMATION).

13 ALL VALVES & PENSTOCK TO HAVE SUPPORTED EXTENSION SPINDLES FOR OPERATION AT GROUND LEVEL. SPINDLES TO BE NON-RISING

14 ALL PIPES & PUDDLE FLANGE HOLES IN CHAMBER WALLS TO BE CORED CIRCULAR NOT SQUARE.

REV	DESCRIPTION	BY	CH'K'D	DATE
A01	FOR APPROVAL	LC	RA	12/09/2025

advantage pumping solutions

CLIENT:
ADVANTAGE PUMPING SOLUTIONS

PROJECT:
STANDARD DRAWING

DRAWING TITLE:
TYPICAL AIR RELEASE CHAMBER DETAILS

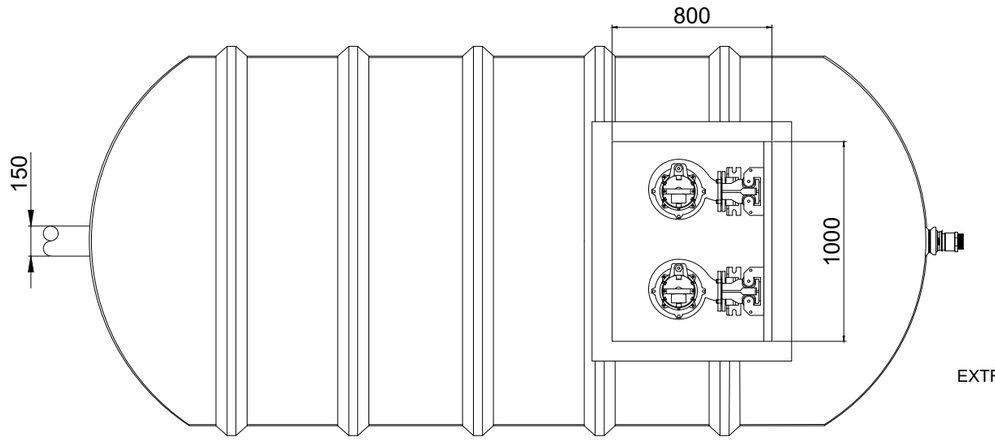
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REVISION: A01

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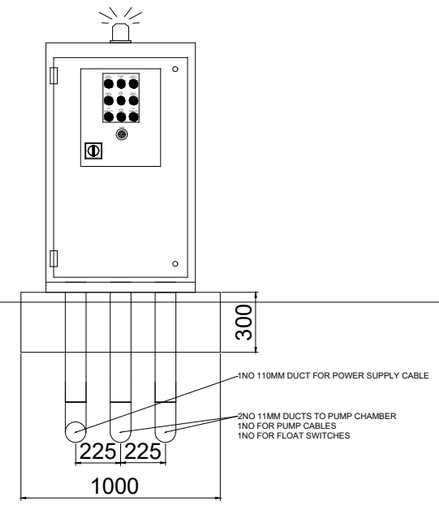
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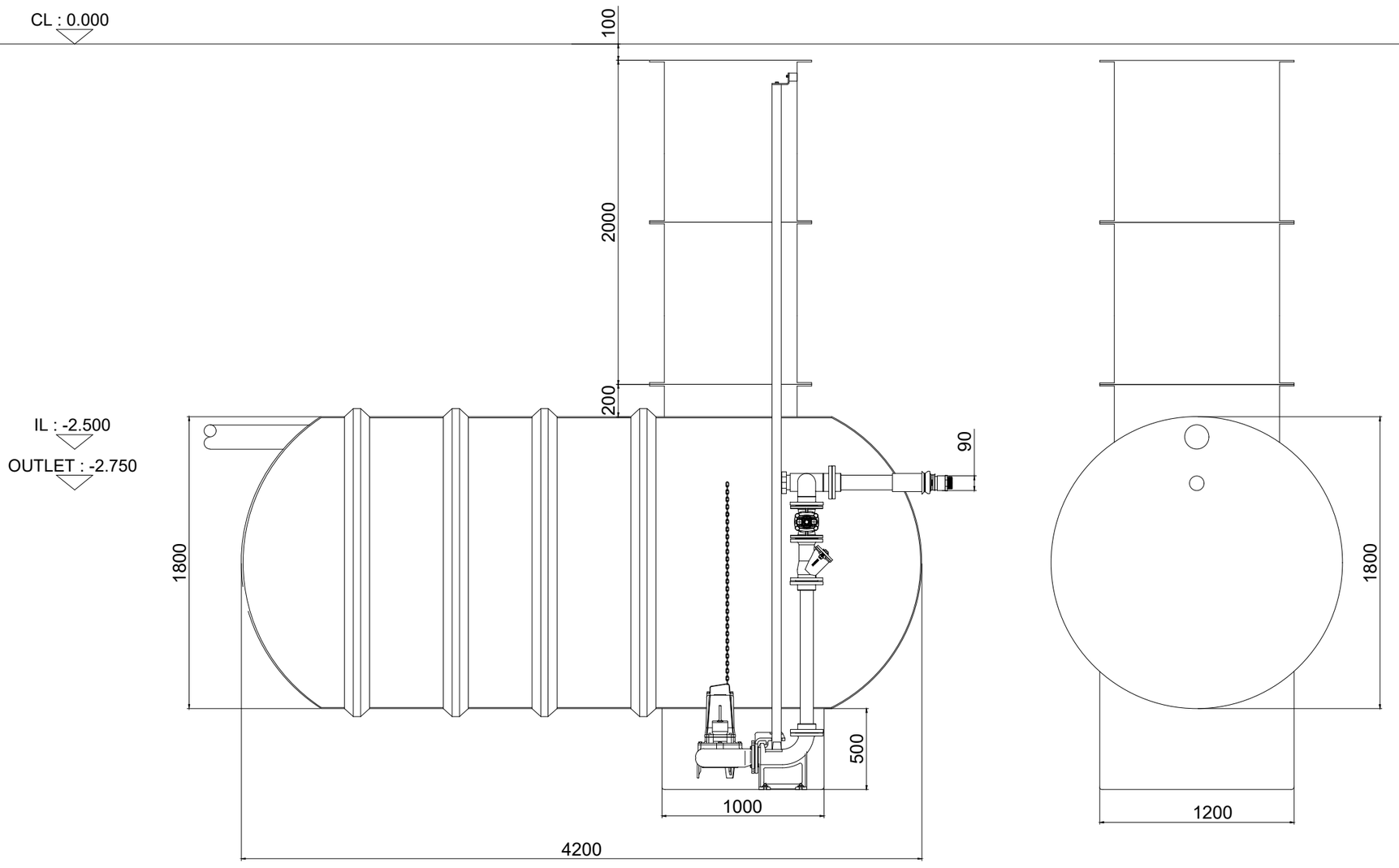
All Dimensions Are In Millimeters (Except Where Otherwise Stated).



EXTRA HEAVY DUTY SHELL TO BE PROVIDED

KIOSK DETAIL





REV	DESCRIPTION	BY	CHK'D	DATE
A01	FOR APPROVAL	EA	RA	22/11/2024

advantage pumping solutions

CLIENT:

CURTINS

PROJECT:

EMBASSY VILLAGE, MANCHESTER

DRAWING TITLE:

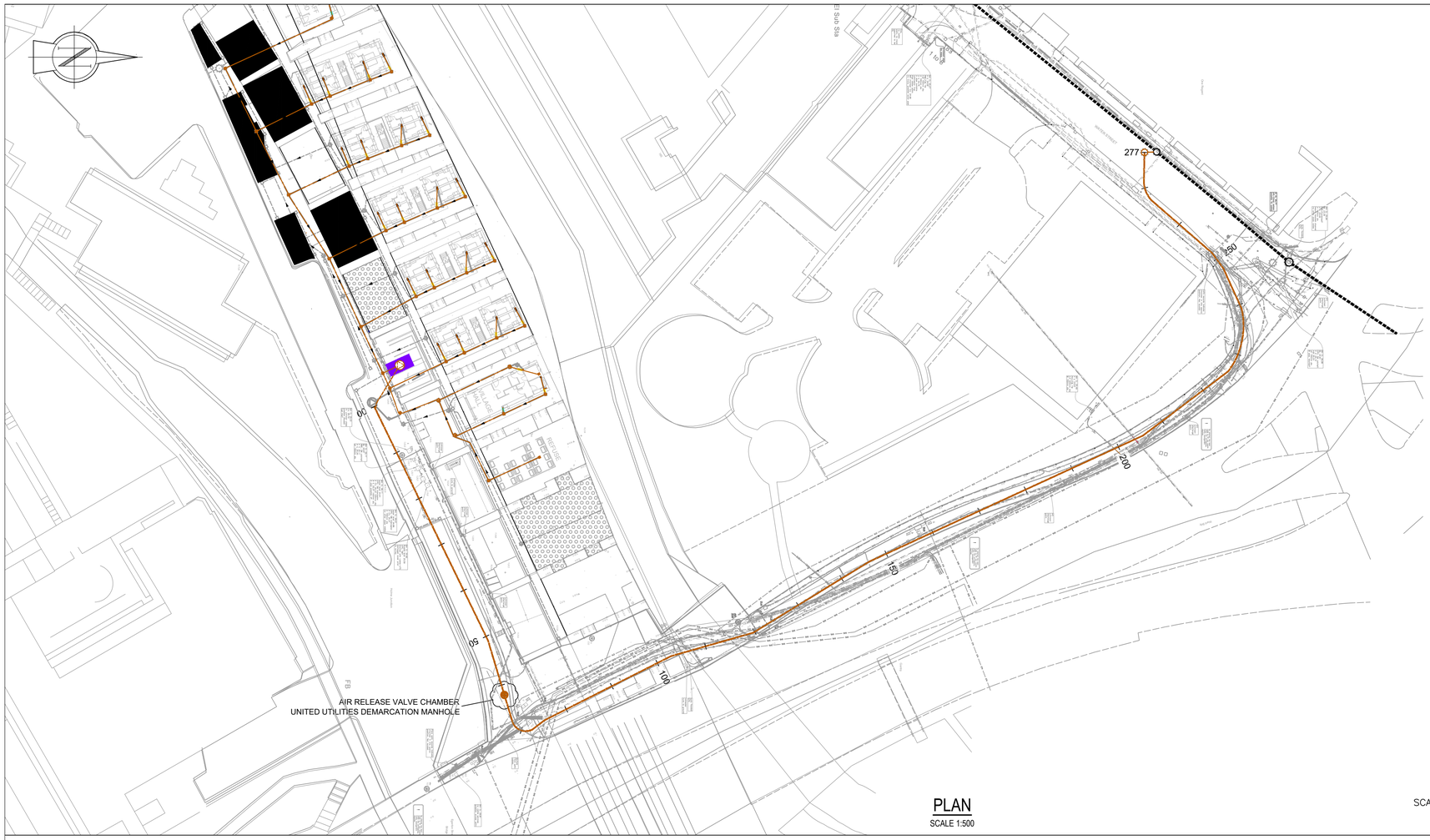
PUMPING STATION
GENERAL ARRANGEMENT

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REVISION: A01

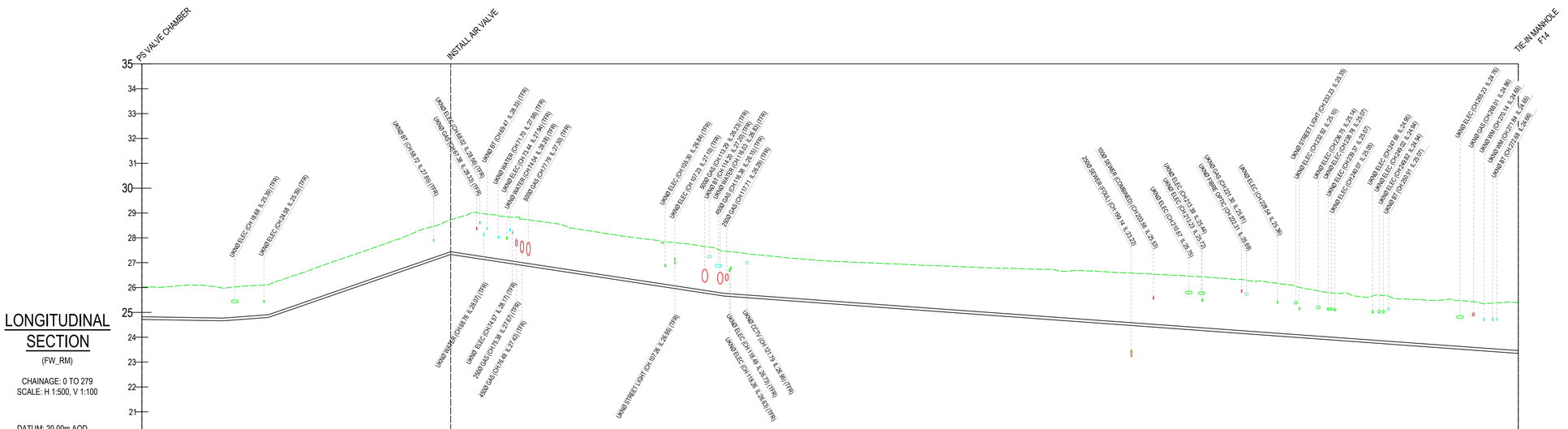
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PLAN
SCALE 1:500

SCALE 1:500

5 0 5 10 15 20 25 30 35 40 45 50m



LONGITUDINAL SECTION

(FW_RM)

CHAINAGE: 0 TO 279
SCALE: H 1:500, V 1:100

DATUM: 20.00m AOD

CHAINAGE	00.000	25.438		50.872	62.142	67.024	72.234	75.197	102.965	119.708	146.335	205.282	226.225	239.149	247.786	251.600	267.256	271.002	276.994			
GROUND LEVEL	26.03	26.11		27.90	28.73	29.03	28.87	28.83	27.92	27.42	27.00	26.52	26.23	25.78	25.67	25.59	25.44	25.36	25.39			
INVERT LEVEL	24.77	24.80		26.55	27.33				26.09	25.62	25.24	24.38	24.08	23.89	23.77	23.71	23.48	23.43	23.35			
PIPE	110 HPPE PE100 SDR11 RISING MAIN																					

LEGEND

- NEW FW RISING MAIN
- NEW SURFACE WATER SEWER
- NEW FOUL WATER SEWER
- EXISTING GROUND PROFILE
- PROPOSED GROUND PROFILE
- MANHOLE (FWS)
- MANHOLE (SWS)
- NEW AIR VALVE
- NEW WASHOUT
- NEW INSPECTION CHAMBER

GENERAL NOTES

1.1. THIS DRAWING IS COPYRIGHT AND SHOULD NOT BE REPRODUCED IN WHOLE OR PART WITHOUT THE WRITTEN CONSENT OF PATRICK PARSONS LTD.
1.2 DO NOT SCALE FROM THIS DRAWING.
1.3. LOCATIONS OF ALL EXISTING SERVICES ON-SITE TO BE CONFIRMED & PROVIDED TO THE ENGINEER PRIOR TO COMMENCEMENT OF WORKS.
1.4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT PATRICK PARSONS LTD DRAWINGS & SPECIFICATIONS.
1.5. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE. DO NOT SCALE. FIGURED DIMENSIONS ONLY TO BE USED.
1.6. ALL LEVELS IN METRES AOD (NEWLYN).
1.7. THE STANDARD SPECIFICATION FOR THIS CONTRACT IS THE CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY (CESWI) SEVENTH EDITION PUBLISHED BY UKWIR LTD AND AS MODIFIED BY SCOTTISH WATER AMENDMENTS, DETAILED IN ENGINEERING SPECIFICATIONS SECTION 502 - CESWI 7 AMENDMENT DOCUMENT.

ADOPTABLE DRAINAGE NOTES

2.1. ALL SEWERS TO COMPLY WITH REQUIREMENTS OF WATER AUTHORITIES PUBLICATION "SEWERS FOR ADOPTION, 6TH. EDITION" & WITH ANY ADDITIONAL REQUIREMENTS OF THE ADOPTING AUTHORITY.
2.2. MANHOLES DEEPER THAN 6.0 METRES SHALL BE BUILT IN ACCORDANCE WITH WATER AUTHORITY'S STANDARD DETAILS. CONSULT WATER AUTHORITY.
2.3. THE USE OF PRECAST CONCRETE PRODUCTS & SULPHATE RESISTANT CEMENT IS MANDATORY, UNLESS A LABORATORY PROVES SUCH PRECAUTIONS ARE NOT NECESSARY.
2.4. POSITIONS OF ALL EXISTING SEWERS ON-SITE TO BE CONFIRMED & DETAILS PROVIDED TO THE ENGINEER PRIOR TO COMMENCEMENT OF WORKS.
2.5. ALL TRENCHES UNDER EXISTING & PROPOSED PUBLIC HIGHWAYS ARE TO BE BACKFILLED WITH THOROUGHLY COMPACTED DOT TYPE 1 SUB-BASE.
2.6. ALL STREETWORKS TO BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT LOCAL AUTHORITY DESIGN GUIDE & SPECIFICATION & ARE TO BE THE SUBJECT OF A SECTION 38 AGREEMENT OF THE HIGHWAYS ACT 1980.
2.7. ALL SEWERS ARE TO BE THE SUBJECT OF A SECTION 104 OF THE WATER INDUSTRY ACT 1991.
2.8. WHERE RISING MAIN IS INSTALLED USING OPEN CUT METHOD, WARNING TRACER TAPE IS TO BE INSTALLED IN ONE CONTINUOUS LENGTH 300mm ABOVE THE RISING MAIN.

REV	DESCRIPTION	BY	CHK'D	DATE
A03	RISING MAIN ROUTE REVISED	SH	RA	17/09/2025
A02	DEMARCATION CHAMBER NOTED	SH	RA	09/09/2025
A01	ORIGINAL ISSUE	CS	SH	25/10/2024

advantage pumping solutions

CLIENT:
EMBASSY VILLAGE

PROJECT:
EMBASSY VILLAGE, CASTLEFIELD

DRAWING TITLE:
FOUL WATER RISING MAIN
PLAN AND LONGITUDINAL SECTION

SCALE:	DRAWN:	CHECKED:	DATE:
AS SHOWN	CS	SH	25/10/2024

DRAWING NUMBER: 46113/GA/0020
REVISION: A03

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Appendix C

Foul Water CCTV Report

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C.J LYON & SONS LTD
BENTLEY NURSERIES, BENTLEY LANE
Tel. 01257 462986
nicola@cjlyon.co.uk

Project

Project Name:	C H CIVILS - EMBASSY VILLAGE EGERTON STREET SALFORD
Project Date:	17/02/2026
Inspection Standard:	MSCC5 Sewers & Drainage GB (SRM5 Scoring)

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Project Information

Project Name	Project Number	Project Date
C H CIVILS - EMBASSY VILLAGE EGERTON STREET SALFORD		17/02/2026

Client

Company: C H CIVILS
Street: FRANCIS FARM
Town or City: 124 LORDS SEFTON WAY
County: GREAT ALTCAR
Post Code: L37 5AQ

Site

Company: C H CIVILS
Street: EMBASSY VILLAGE
Town or City: EGERTON STREET
County: SALFORD
Post Code: M3 4JU

Contractor

Company: C.J LYON & SONS LTD
Contact: NICOLA CREAMER
Street: BENTLEY NURSERIES
Town or City: BENTLEY LANE
County: MAWDESLEY
Post Code: L40 3SN
Phone: 01257 462986
Email: [redacted]

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Section Inspection - 17/02/2026 - F15X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
1	1	17/02/26	14:22	Not Specified	No Rain Or Snow	Yes	F15X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F15
Road:	Egerton Street	**Inspected Length:**	9.95 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	9.95 m	**Downstream Node:**	F18
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: Running infiltration at 1.15m & elevated water level from 8.56m onwards
Recommendations:

Scale: 1:87



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F15	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
0.38	LL	Line deviates left	00:00:05		
1.15	IR	Infiltration, running at 4 o'clock	00:00:06	1	
4.89	WL	Water level, 10% of the vertical dimension	00:00:18		
6.81	WL	Water level, 5% of the vertical dimension	00:00:25		
8.56	WL	Water level, 15% of the vertical dimension	00:00:33	2	
9.56	LL	Line deviates left	00:00:37		
9.95	MHF	Finish node, manhole, reference: F18	00:00:40		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 17/02/2026 - F15X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
1	Downstream	F15X		



1, 00:00:06, 1.15 m
Infiltration, running at 4 o'clock



2, 00:00:33, 8.56 m
Water level, 15% of the vertical dimension

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Section Inspection - 17/02/2026 - F18X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
2	1	17/02/26	14:24	Not Specified	No Rain Or Snow	Yes	F18X

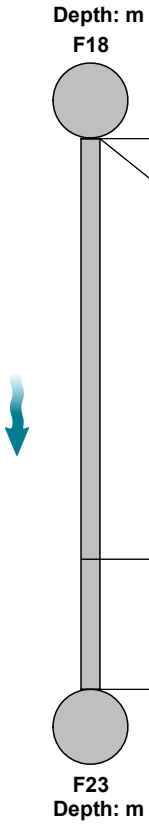
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F18
Road:	Egerton Street	**Inspected Length:**	3.64 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	3.64 m	**Downstream Node:**	F23
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F18	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
2.78	LR	Line deviates right	00:00:11		
3.64	MHF	Finish node, manhole, reference: F23	00:00:15		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 17/02/2026 - F16X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
3	1	17/02/26	14:23	Not Specified	No Rain Or Snow	Yes	F16X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F16
Road:	Egerton Street	**Inspected Length:**	4.22 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	4.22 m	**Downstream Node:**	F16A
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m F16						
	0.00	MH	Start node, manhole, reference: F16	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	4.22	MHF	Finish node, manhole, reference: F16A	00:00:19		
F16A Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 17/02/2026 - F16AX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
4	1	17/02/26	14:23	Not Specified	No Rain Or Snow	Yes	F16AX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F16A
Road:	Egerton Street	**Inspected Length:**	4.61 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	4.61 m	**Downstream Node:**	F16B
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F16A	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
4.61	MHF	Finish node, manhole, reference: F16B	00:00:17		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 17/02/2026 - F16BX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
5	1	17/02/26	14:23	Not Specified	No Rain Or Snow	Yes	F16BX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F16B
Road:	Egerton Street	**Inspected Length:**	5.27 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	5.27 m	**Downstream Node:**	F17
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F16B	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
5.27	MHF	Finish node, manhole, reference: F17	00:00:15		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 17/02/2026 - F17X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
6	1	17/02/26	14:23	Not Specified	No Rain Or Snow	Yes	F17X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F17
Road:	Egerton Street	**Inspected Length:**	11.66 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	11.66 m	**Downstream Node:**	F22A
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:101



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F17	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
5.57	CN	Connection other than junction at 12 o'clock, 110mm dia	00:00:16		
11.66	MHF	Finish node, manhole, reference: F22A	00:00:40		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 17/02/2026 - F21AX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
7	1	17/02/26	14:23	Not Specified	No Rain Or Snow	Yes	F21AX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F21A
Road:	Egerton Street	**Inspected Length:**	15.29 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	15.29 m	**Downstream Node:**	F21
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:133	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m F21A						
	0.00	MH	Start node, manhole, reference: F21A	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	15.29	MHF	Finish node, manhole, reference: F21	00:00:38		
F21 Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 17/02/2026 - F21X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
8	1	17/02/26	14:23	Not Specified	No Rain Or Snow	Yes	F21X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F21
Road:	Egerton Street	**Inspected Length:**	9.18 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	9.18 m	**Downstream Node:**	F22
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:80



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F21	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
8.76	LR	Line deviates right	00:00:23		
9.18	MHF	Finish node, manhole, reference: F22	00:00:24		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 17/02/2026 - F22X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
9	1	17/02/26	14:23	Not Specified	No Rain Or Snow	Yes	F22X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F22
Road:	Egerton Street	**Inspected Length:**	4.27 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	4.27 m	**Downstream Node:**	F22A
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m F22						
	0.00	MH	Start node, manhole, reference: F22	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	4.27	MHF	Finish node, manhole, reference: F22A	00:00:16		
F22A Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 17/02/2026 - F22AX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
10	1	17/02/26	14:23	Not Specified	No Rain Or Snow	Yes	F22AX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F22A
Road:	Egerton Street	**Inspected Length:**	4.06 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	4.06 m	**Downstream Node:**	F18
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F22A	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
3.54	LR	Line deviates right	00:00:09		
4.06	MHF	Finish node, manhole, reference: F18	00:00:12		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 17/02/2026 - F20AX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
11	1	17/02/26	14:23	Not Specified	No Rain Or Snow	Yes	F20AX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F20A
Road:	Egerton Street	**Inspected Length:**	6.62 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	6.62 m	**Downstream Node:**	F20B
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:58



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F20A	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
6.62	MHF	Finish node, manhole, reference: F20B	00:00:21		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 17/02/2026 - F20BX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
12	1	17/02/26	14:23	Not Specified	No Rain Or Snow	Yes	F20BX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F20B
Road:	Egerton Street	**Inspected Length:**	10.17 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	10.17 m	**Downstream Node:**	F20
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:89



Position [m]	Depth: m	Code	Observation	MPEG	Photo	Grade
	F20B					
0.00		MH	Start node, manhole, reference: F20B	00:00:00		
0.00		WL	Water level, 5% of the vertical dimension			
9.97		LR	Line deviates right	00:00:27		
10.17		MHF	Finish node, manhole, reference: F20	00:00:28		
	F20					
	Depth: m					

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 17/02/2026 - F20X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
13	1	17/02/26	14:23	Not Specified	No Rain Or Snow	Yes	F20X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F20
Road:	Egerton Street	**Inspected Length:**	9.60 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	9.60 m	**Downstream Node:**	F21
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:84

Position [m]	Code	Observation	MPEG	Photo	Grade
		Depth: m			
		F20			
0.00	MH	Start node, manhole, reference: F20	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
9.60	MHF	Finish node, manhole, reference: F21	00:00:24		
		F21			
		Depth: m			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 17/02/2026 - FOUL GULLYX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
14	1	17/02/26	14:22	Not Specified	No Rain Or Snow	Yes	FOUL GULLYX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Upstream	**Upstream Node:**	FOUL GULLY
Road:	Egerton Street	**Inspected Length:**	8.90 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	8.90 m	**Downstream Node:**	F19
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:78



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F19	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
8.90	MHF	Finish node, manhole, reference: FOUL GULLY	00:00:29		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 17/02/2026 - F19X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
15	1	17/02/26	14:22	Not Specified	No Rain Or Snow	Yes	F19X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F19
Road:	Egerton Street	**Inspected Length:**	8.37 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	8.37 m	**Downstream Node:**	F20
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:73



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F19	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
7.10	LL	Line deviates left	00:00:24		
8.17	LR	Line deviates right	00:00:27		
8.37	MHF	Finish node, manhole, reference: F20	00:00:30		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 27/02/2026 - F1X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
16	1	27/02/26	8:14	Not Specified	No Rain Or Snow	Yes	F1X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F1
Road:	Egerton Street	**Inspected Length:**	19.30 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	19.30 m	**Downstream Node:**	F2
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:168



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F1	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
17.20	LL	Line deviates left	00:01:00		
18.90	LL	Line deviates left	00:01:06		
19.30	MHF	Finish node, manhole, reference: F2	00:01:07		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 27/02/2026 - F2X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
17	1	27/02/26	8:15	Not Specified	No Rain Or Snow	Yes	F2X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F2
Road:	Egerton Street	**Inspected Length:**	10.80 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	10.80 m	**Downstream Node:**	F5
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:94



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F2	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
10.80	MHF	Finish node, manhole, reference: F5: Dropshaft	00:00:34		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 27/02/2026 - F3X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
18	1	27/02/26	8:14	Not Specified	No Rain Or Snow	Yes	F3X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F3
Road:	Egerton Street	**Inspected Length:**	4.00 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	4.00 m	**Downstream Node:**	F3A
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m F3						
	0.00	MH	Start node, manhole, reference: F3	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	4.00	MHF	Finish node, manhole, reference: F3A	00:00:16		
F3A Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 27/02/2026 - F3AX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
19	1	27/02/26	8:14	Not Specified	No Rain Or Snow	Yes	F3AX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F3A
Road:	Egerton Street	**Inspected Length:**	5.90 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	5.90 m	**Downstream Node:**	F3B
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:52



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F3A	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
5.90	MHF	Finish node, manhole, reference: F3B	00:00:20		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 27/02/2026 - F3BX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
20	1	27/02/26	8:14	Not Specified	No Rain Or Snow	Yes	F3BX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F3B
Road:	Egerton Street	**Inspected Length:**	4.10 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	4.10 m	**Downstream Node:**	F4
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m F3B						
	0.00	MH	Start node, manhole, reference: F3B	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	4.10	MHF	Finish node, manhole, reference: F4	00:00:16		
F4 Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 27/02/2026 - F4X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
21	1	27/02/26	8:14	Not Specified	No Rain Or Snow	Yes	F4X

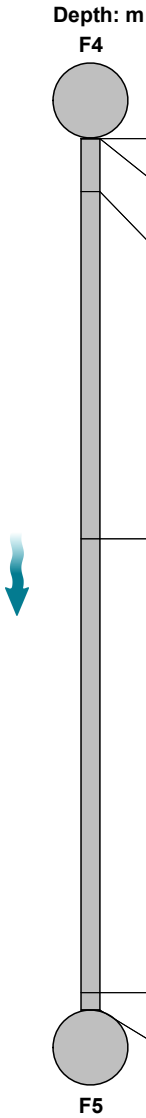
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F4
Road:	Egerton Street	**Inspected Length:**	9.80 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	9.80 m	**Downstream Node:**	F5
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: Joint has not been pushed together flush into coupling at 4.50m
Recommendations:

Scale: 1:85



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F4	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
0.60	LL	Line deviates left	00:00:07		
4.50	GP	General photograph taken at this point: Joint has not been pushed together flush into coupling	00:00:17	1	
9.60	LD	Line deviates down	00:00:34		
9.80	MHF	Finish node, manhole, reference: F5	00:00:37		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 27/02/2026 - F4X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
21	Downstream	F4X		



1, 00:00:17, 4.50 m
General photograph taken at this point, Joint has not been pushed together flush into coupling

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Section Inspection - 27/02/2026 - F6X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
22	1	27/02/26	8:14	Not Specified	No Rain Or Snow	Yes	F6X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F6
Road:	Egerton Street	**Inspected Length:**	3.50 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	3.50 m	**Downstream Node:**	F6A
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F6	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
2.50	LD	Line deviates down	00:00:10		
3.50	MHF	Finish node, manhole, reference: F6A	00:00:14		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 27/02/2026 - F6AX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
23	1	27/02/26	8:14	Not Specified	No Rain Or Snow	Yes	F6AX

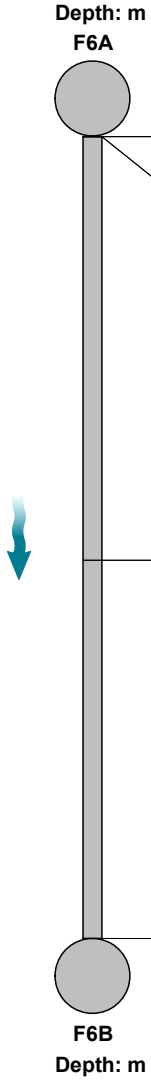
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F6A
Road:	Egerton Street	**Inspected Length:**	5.30 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	5.30 m	**Downstream Node:**	F6B
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F6A	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
2.80	LL	Line deviates left	00:00:08		
5.30	MHF	Finish node, manhole, reference: F6B	00:00:17		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 27/02/2026 - F6BX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
24	1	27/02/26	8:14	Not Specified	No Rain Or Snow	Yes	F6BX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F6B
Road:	Egerton Street	**Inspected Length:**	4.30 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	4.30 m	**Downstream Node:**	F7
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m F6B						
	0.00	MH	Start node, manhole, reference: F6B	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	4.30	MHF	Finish node, manhole, reference: F7	00:00:00		
F7 Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 27/02/2026 - F7X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
25	1	27/02/26	8:14	Not Specified	No Rain Or Snow	Yes	F7X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F7
Road:	Egerton Street	**Inspected Length:**	11.00 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	11.00 m	**Downstream Node:**	F8
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:96



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F7	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
5.60	LR	Line deviates right	00:00:17		
10.80	LL	Line deviates left	00:00:40		
11.00	MHF	Finish node, manhole, reference: F8	00:00:41		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 27/02/2026 - F10X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
26	1	27/02/26	8:14	Not Specified	No Rain Or Snow	Yes	F10X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F10
Road:	Egerton Street	**Inspected Length:**	3.80 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	3.80 m	**Downstream Node:**	F10A
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m F10						
	0.00	MH	Start node, manhole, reference: F10	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	3.80	MHF	Finish node, manhole, reference: F10A	00:00:16		
F10A Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 27/02/2026 - F10AX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
27	1	27/02/26	8:14	Not Specified	No Rain Or Snow	Yes	F10AX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F10A
Road:	Egerton Street	**Inspected Length:**	5.30 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	5.30 m	**Downstream Node:**	F10B
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F10A	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
5.30	MHF	Finish node, manhole, reference: F10B	00:00:17		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 27/02/2026 - F10BX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
28	1	27/02/26	8:14	Not Specified	No Rain Or Snow	Yes	F10BX

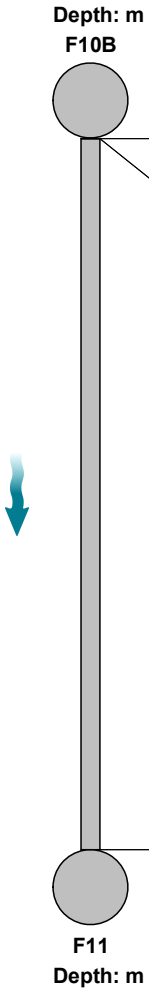
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F10B
Road:	Egerton Street	**Inspected Length:**	4.70 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	4.70 m	**Downstream Node:**	F11
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F10B	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
4.70	MHF	Finish node, manhole, reference: F11	00:00:20		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 27/02/2026 - F11X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
29	1	27/02/26	8:14	Not Specified	No Rain Or Snow	Yes	F11X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F11
Road:	Egerton Street	**Inspected Length:**	10.40 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	10.40 m	**Downstream Node:**	F12
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:91

Position [m]	Code	Observation	MPEG	Photo	Grade
		Depth: m			
		F11			
0.00	MH	Start node, manhole, reference: F11	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
10.40	MHF	Finish node, manhole, reference: F12	00:00:38		
		F12			
		Depth: m			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 27/02/2026 - F13X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
30	1	27/02/26	8:14	Not Specified	No Rain Or Snow	Yes	F13X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F13
Road:	Egerton Street	**Inspected Length:**	3.30 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	3.30 m	**Downstream Node:**	F13A
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:50

Depth: m
F13



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F13	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
3.30	MHF	Finish node, manhole, reference: F13A	00:00:16		

F13A
Depth: m

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 27/02/2026 - F13AX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
31	1	27/02/26	8:14	Not Specified	No Rain Or Snow	Yes	F13AX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F13A
Road:	Egerton Street	**Inspected Length:**	5.30 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	5.30 m	**Downstream Node:**	F13B
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m F13A						
	0.00	MH	Start node, manhole, reference: F13A	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	5.30	MHF	Finish node, manhole, reference: F13B	00:00:24		
F13B Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 27/02/2026 - F13BX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
32	1	27/02/26	8:14	Not Specified	No Rain Or Snow	Yes	F13BX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F13B
Road:	Egerton Street	**Inspected Length:**	4.40 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	4.40 m	**Downstream Node:**	F14
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m F13B						
	0.00	MH	Start node, manhole, reference: F13B	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	4.40	MHF	Finish node, manhole, reference: F14	00:00:20		
F14 Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 27/02/2026 - F14X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
33	1	27/02/26	8:14	Not Specified	No Rain Or Snow	Yes	F14X

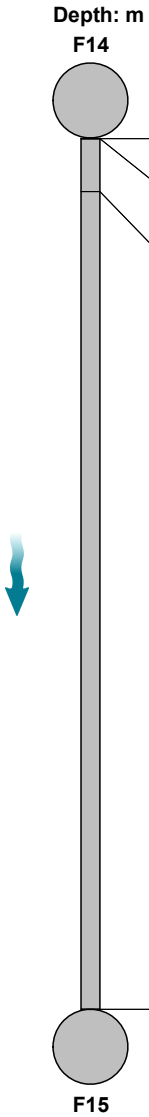
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F14
Road:	Egerton Street	**Inspected Length:**	11.40 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	11.40 m	**Downstream Node:**	F15
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	110 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:99



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F14	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
0.70	LR	Line deviates right	00:00:05		
11.40	MHF	Finish node, manhole, reference: F15	00:00:41		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 27/02/2026 - F5X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
34	1	27/02/26	8:15	Not Specified	No Rain Or Snow	Yes	F5X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F5
Road:	Egerton Street	**Inspected Length:**	9.60 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	9.60 m	**Downstream Node:**	F8
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:84



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F5	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
7.30	WL	Water level, 10% of the vertical dimension	00:00:40		
8.50	WL	Water level, 5% of the vertical dimension	00:00:45		
9.60	MHF	Finish node, manhole, reference: F8	00:00:53		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 27/02/2026 - F8X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
35	1	27/02/26	8:15	Not Specified	No Rain Or Snow	Yes	F8X

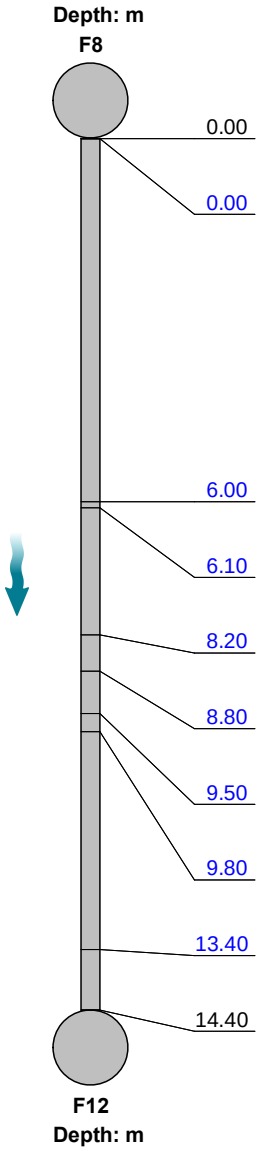
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F8
Road:	Egerton Street	**Inspected Length:**	14.40 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	14.40 m	**Downstream Node:**	F12
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: Backfall in two sections
Recommendations:

Scale: 1:125



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F8	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
6.00	WL	Water level, 10% of the vertical dimension	00:00:22		
6.10	WL	Water level, 20% of the vertical dimension	00:00:23	1	
8.20	WL	Water level, 10% of the vertical dimension	00:00:35		
8.80	WL	Water level, 5% of the vertical dimension	00:00:38		
9.50	WL	Water level, 10% of the vertical dimension	00:00:40		
9.80	WL	Water level, 15% of the vertical dimension	00:00:42	2	
13.40	WL	Water level, 5% of the vertical dimension	00:01:02		
14.40	MHF	Finish node, manhole, reference: F12	00:01:07		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 27/02/2026 - F8X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
35	Downstream	F8X		



1, 00:00:23, 6.10 m
Water level, 20% of the vertical dimension



2, 00:00:42, 9.80 m
Water level, 15% of the vertical dimension

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Section Inspection - 27/02/2026 - F12X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
36	1	27/02/26	8:15	Not Specified	No Rain Or Snow	Yes	F12X

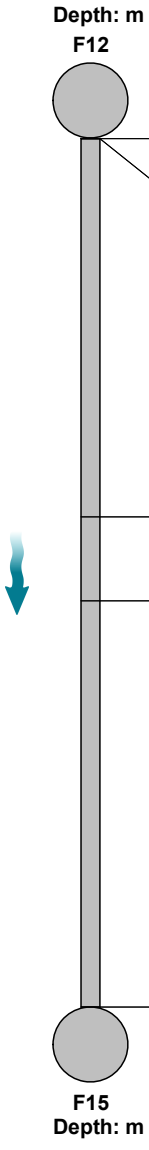
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
M. Glover	Not Specified	Push Rod	Not Specified	Public Sewer	Not Specified

Town or Village:	Salford	**Inspection Direction:**	Downstream	**Upstream Node:**	F12
Road:	Egerton Street	**Inspected Length:**	12.40 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	12.40 m	**Downstream Node:**	F15
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Post completion condition survey	**Lining Material:**	No Lining

Comments: None
Recommendations:

Scale: 1:108



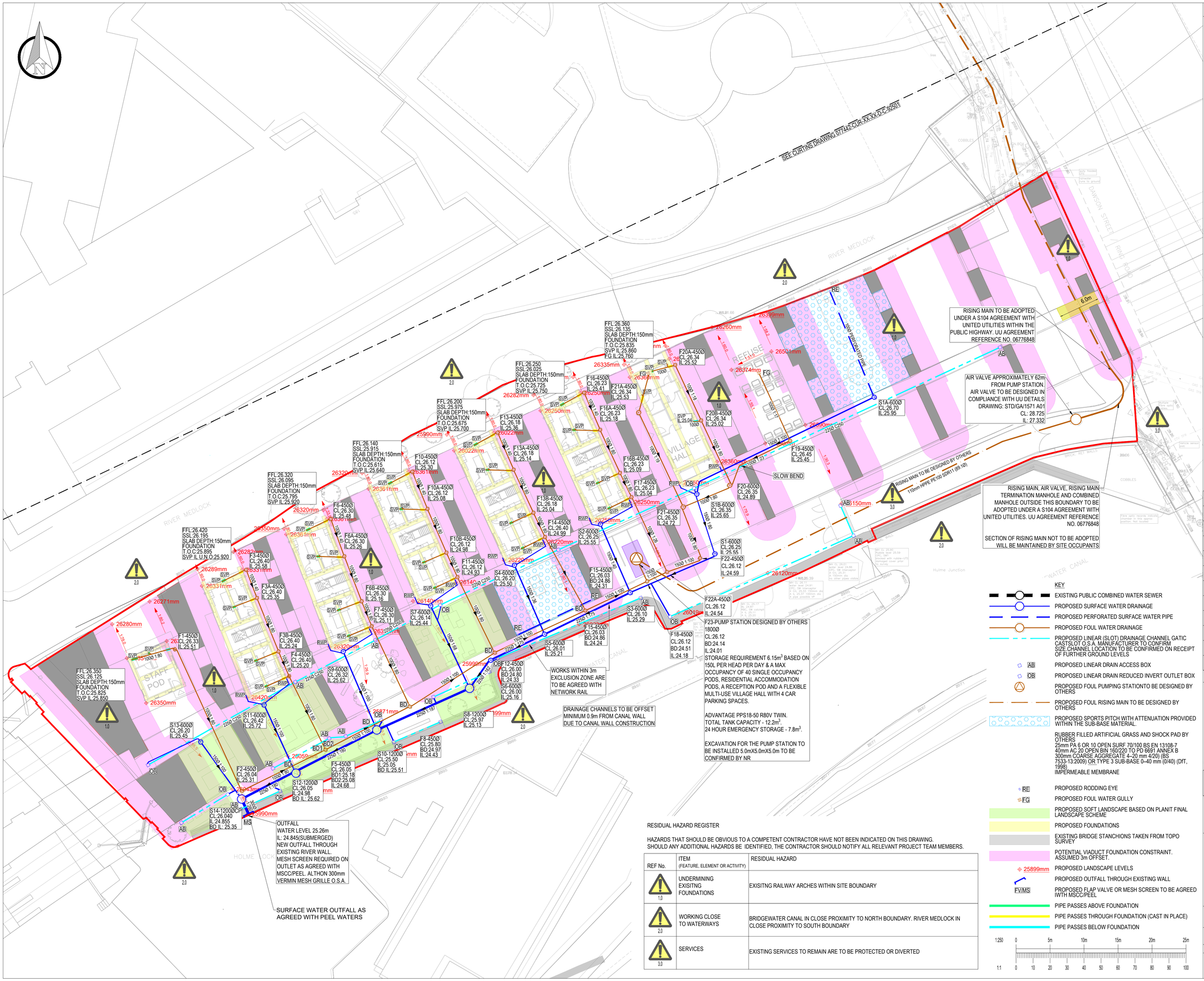
Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: F12	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
5.40	WL	Water level, 10% of the vertical dimension	00:00:25		
6.60	WL	Water level, 5% of the vertical dimension	00:00:31		
12.40	MHF	Finish node, manhole, reference: F15	00:01:04		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Appendix D

As-Built Drawings

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GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
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3. DESIGN BASED ON TOPOGRAPHICAL SURVEY AND CCTV SURVEY INFORMATION AVAILABLE AT THE TIME OF THE DESIGN.
4. ALL DIMENSIONS ARE IN METRES AND LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS OTHERWISE NOTED.
5. REFER TO NOTES DRAWING 077442-CUR-XX-XX-D-C-92530.

DESIGN PHILOSOPHY

SURFACE WATER DESIGN
THE DESIGN PROVIDES CAPACITY UP TO THE 100 YEAR 40% CLIMATE CHANGE EVENT.
SW FLOW RATE IS NOT RESTRICTED BASED ON THE OUTFALL BEING SURCHARGED WITHIN THE CANAL
OUTFALL DETAILS TO BE AGREED WITH MSCC/PEEL PORTS. TBC FOLLOWING FURTHER DESIGN AND SURVEY WORK.
POLLUTION TREATMENT: N/A
SUSTAINABLE DRAINAGE: PERMEABLE PAVING
INFILTRATION IS NOT CONSIDERED APPROPRIATE FOR THIS SCHEME.

FOUL WATER DESIGN
FW PEAK FLOW RATE:TBC
OUTFALL: MH6602 WATER STREET (TO BE AGREED WITH UNITED UTILITIES AND SUBJECT TO OFF SITE INVESTIGATIONS).
LEVELS INDICATE THAT PUMPING WILL BE REQUIRED.
FOUL WATER STORAGE REQUIRED: 6.15m³ (24 HOURS FLOW AS REQUIRED. BY BUILDING REGS). STORAGE BASED ON 150L PER PERSON PER DAY. MAXIMUM OCCUPANCY BASED ON 41 PEOPLE ONSITE.

CONSTRUCTION RECORD - FINAL CONSTRUCTION

THE INFORMATION IS BASED ON CONFIRMATION FROM THE CONTRACTOR OF THE INSTALLED WORKS. THERE MAY BE VARIATIONS ON SITE WHICH ARE NOT REFLECTED ON THIS DRAWING AND HAS NOT BEEN VERIFIED BY CURTINS.

RESIDUAL HAZARD REGISTER

HAZARDS THAT SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR HAVE NOT BEEN INDICATED ON THIS DRAWING.
SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED, THE CONTRACTOR SHOULD NOTIFY ALL RELEVANT PROJECT TEAM MEMBERS.

REF No.	ITEM (FEATURE, ELEMENT OR ACTIVITY)	RESIDUAL HAZARD
1.0	UNDERMINING EXISITNG FOUNDATIONS	EXISITNG RAILWAY ARCHES WITHIN SITE BOUNDARY
2.0	WORKING CLOSE TO WATERWAYS	BRIDGEWATER CANAL IN CLOSE PROXIMITY TO NORTH BOUNDARY. RIVER MEDLOCK IN CLOSE PROXIMITY TO SOUTH BOUNDARY
3.0	SERVICES	EXISTING SERVICES TO REMAIN ARE TO BE PROTECTED OR DIVERTED

KEY

- EXISTING PUBLIC COMBINED WATER SEWER
- PROPOSED SURFACE WATER DRAINAGE
- PROPOSED PERFORATED SURFACE WATER PIPE
- PROPOSED FOUL WATER DRAINAGE
- PROPOSED LINEAR (SLOT) DRAINAGE CHANNEL GATIC CASTSLOT O.S.A. MANUFACTURER TO CONFIRM SIZE.CHANNEL LOCATION TO BE CONFIRMED ON RECEIPT OF FURTHER GROUND LEVELS
- AB — PROPOSED LINEAR DRAIN ACCESS BOX
- OB — PROPOSED LINEAR DRAIN REDUCED INVERT OUTLET BOX
- PROPOSED FOUL PUMPING STATIONTO BE DESIGNED BY OTHERS
- PROPOSED FOUL RISING MAIN TO BE DESIGNED BY OTHERS
- PROPOSED SPORTS PITCH WITH ATTENUATION PROVIDED WITHIN THE SUB-BASE MATERIAL.
  RUBBER FILLED ARTIFICIAL GRASS AND SHOCK PAD BY OTHERS
  25mm PA 6 OR 10 OPEN SURF 70/100 BS EN 13108-7
  40mm AC 20 OPEN BIN 160/220 TO PD 6691 ANNEX B
  300mm COARSE AGGREGATE 4–20 mm 4/20) (BS 7533-13:2009) OR TYPE 3 SUB-BASE 0–40 mm (0/40) (DfT, 1998)
  IMPERMEABLE MEMBRANE
- RE — PROPOSED RODDING EYE
- FG — PROPOSED FOUL WATER GULLY
- PROPOSED SOFT LANDSCAPE BASED ON PLANIT FINAL LANDSCAPE SCHEME
- PROPOSED FOUNDATIONS
- EXISTING BRIDGE STANCHIONS TAKEN FROM TOPO SURVEY
- POTENTIAL VIADUCT FOUNDATION CONSTRAINT. ASSUMED 3m OFFSET.
- 25899mm — PROPOSED LANDSCAPE LEVELS
- PROPOSED OUTFALL THROUGH EXISTING WALL
- FV/MS — PROPOSED FLAP VALVE OR MESH SCREEN TO BE AGREED IWTH MSCC/PEEL
- PIPE PASSES ABOVE FOUNDATION
- PIPE PASSES THROUGH FOUNDATION (CAST IN PLACE)
- PIPE PASSES BELOW FOUNDATION

1:250 scale: 0, 5m, 10m, 15m, 20m, 25m
1:1 scale: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Rev:	Description:	Date:	By:	Chkd:
C06	FINAL CONSTRUCTION UPDATE	27/05/26	JC	CS
C05	FINAL CONSTRUCTION	10/02/26	JC	CS
C04	CONSTRUCTION UPDATE	15/09/25	JC	CS
C03	CONSTRUCTION UPDATE	11/02/25	JC	CS
C02	ADDITIONAL GULLY ADDED	06/01/25	JC	CS
C01	CONSTRUCTION ISSUE	22/11/24	JC	CS
P06	STAGE 4 UPDATE TO SUIT VERMONT COMMENTS RECEIVED 17/09/24	19/09/24	JC	CS
P05	STAGE 4 ISSUE	26/07/24	CS	CG
P04	STAGE 4 DRAFT - SURFACE WATER INVERT LEVELS UPDATED	21/06/24	JC	CG
P03	STAGE 4 DRAFT - FOUL OUTFALL UPDATED	25/04/24	CG	CG
P02	STAGE 4 DRAFT - UPDATED TO LANDSCAPING LEVELS	01/03/24	CG	CG
P01	STAGE 4 DRAFT - ISSUED FOR PLANNING CONDITION DISCHARGE	31/01/24	CS	CG

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Status: FINAL CONSTRUCTION — FC

Project: EMBASSY VILLAGE

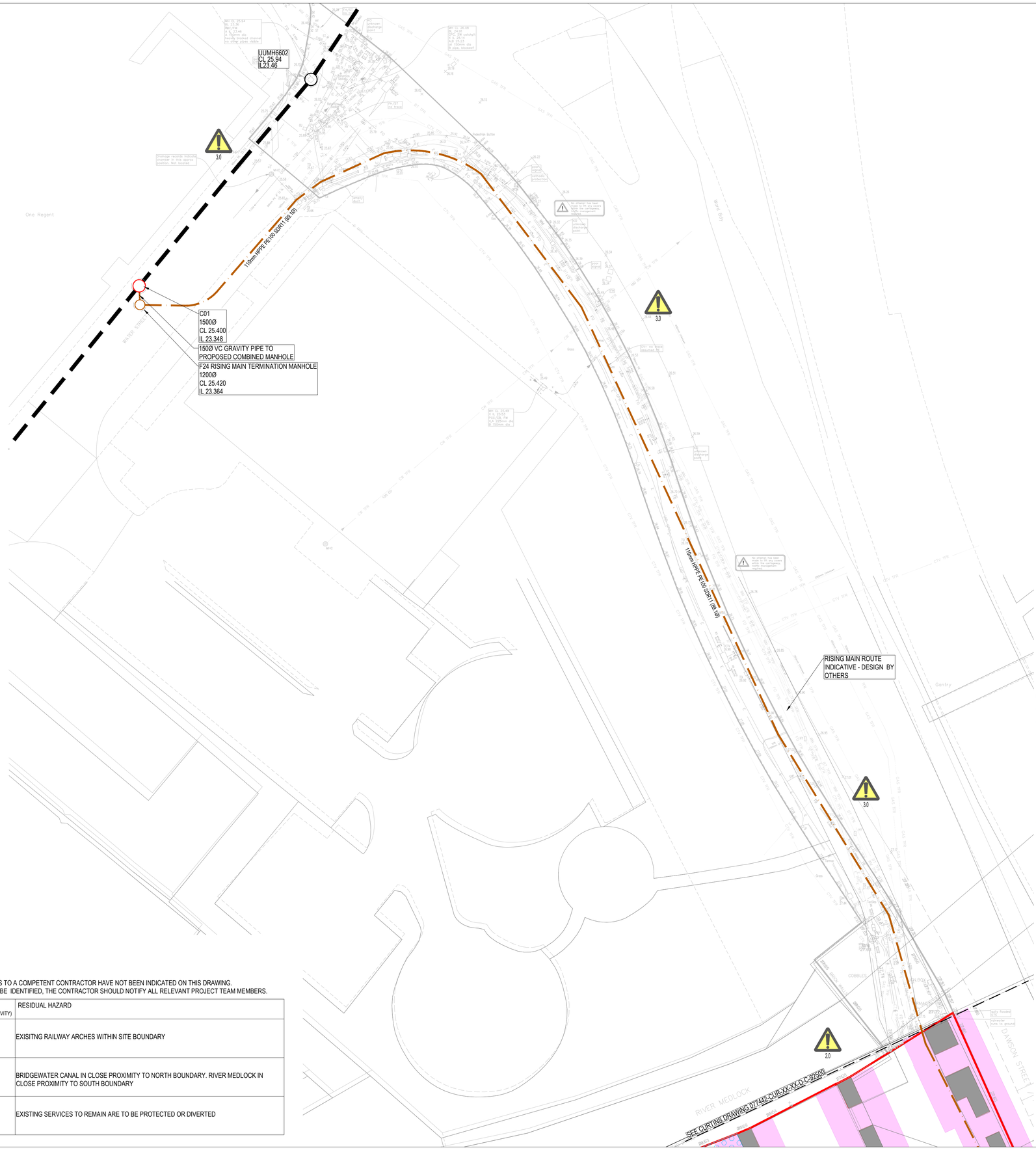
Drg Title: DRAINAGE STRATEGY SHEET 1 OF 2

Drawn By	Designed By	Checked By
CG	CG	CG

Project No	Date	Scales @ A1
077442	05/12/2023	1:250

Project Code - Originator - Function - Spatial - Form - Discipline - Number: 077442 - CUR - XX - XX - D - C - 92500
Revision: C06

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RESIDUAL HAZARD REGISTER

HAZARDS THAT SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR HAVE NOT BEEN INDICATED ON THIS DRAWING. SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED, THE CONTRACTOR SHOULD NOTIFY ALL RELEVANT PROJECT TEAM MEMBERS.

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2.0	WORKING CLOSE TO WATERWAYS	BRIDGEWATER CANAL IN CLOSE PROXIMITY TO NORTH BOUNDARY. RIVER MEDLOCK IN CLOSE PROXIMITY TO SOUTH BOUNDARY
3.0	SERVICES	EXISTING SERVICES TO REMAIN ARE TO BE PROTECTED OR DIVERTED

KEY

- EXISTING PUBLIC COMBINED WATER SEWER
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  RUBBER FILLED ARTIFICIAL GRASS AND SHOCK PAD BY OTHERS
  25mm PA 6 OR 10 OPEN SURF 70/100 BS EN 13108-7
  40mm AC 20 OPEN BIN 160/220 TO PD 6691 ANNEX B
  300mm COARSE AGGREGATE 4–20 mm 4/20) (BS 7533-13:2009) OR TYPE 3 SUB-BASE 0–40 mm (0/40) (DfT, 1998)
  IMPERMEABLE MEMBRANE
- RE PROPOSED RODDING EYE
- FC PROPOSED FOUL WATER GULLY
- PROPOSED SOFT LANDSCAPE BASED ON PLANIT FINAL LANDSCAPE SCHEME
- PROPOSED FOUNDATIONS
- EXISTING BRIDGE STANCHIONS TAKEN FROM TOPO SURVEY
- POTENTIAL VIADUCT FOUNDATION CONSTRAINT. ASSUMED 3m OFFSET.
- 25899mm PROPOSED LANDSCAPE LEVELS
- PROPOSED OUTFALL THROUGH EXISTING WALL
- FV/MS PROPOSED FLAP VALVE OR MESH SCREEN TO BE AGREED IWTH MSCC/PEEL
- PIPE PASSES ABOVE FOUNDATION
- PIPE PASSES THROUGH FOUNDATION (CAST IN PLACE)
- PIPE PASSES BELOW FOUNDATION

1:250 0 5m 10m 15m 20m 25m

1:1 0 10 20 30 40 50 60 70 80 90 100

GENERAL NOTES:

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5. REFER TO NOTES DRAWING 077442-CUR-XX-XX-D-C-92530.

DESIGN PHILOSOPHY

SURFACE WATER DESIGN
THE DESIGN PROVIDES CAPACITY UP TO THE 100 YEAR 40% CLIMATE CHANGE EVENT.
SW FLOW RATE IS NOT RESTRICTED BASED ON THE OUTFALL BEING SURCHARGED WITHIN THE CANAL
OUTFALL DETAILS TO BE AGREED WITH MSCC/PEEL PORTS. TBC FOLLOWING FURTHER DESIGN AND SURVEY WORK.
POLLUTION TREATMENT: N/A
SUSTAINABLE DRAINAGE: PERMEABLE PAVING
INFILTRATION IS NOT CONSIDERED APPROPRIATE FOR THIS SCHEME.

FOUL WATER DESIGN
FW PEAK FLOW RATE:TBC
OUTFALL: MH6602 WATER STREET (TO BE AGREED WITH UNITED UTILITIES AND SUBJECT TO OFF SITE INVESTIGATIONS).
LEVELS INDICATE THAT PUMPING WILL BE REQUIRED.
FOUL WATER STORAGE REQUIRED: 6.15m³ (24 HOURS FLOW AS REQUIRED. BY BUILDING REGS). STORAGE BASED ON 150L PER PERSON PER DAY. MAXIMUM OCCUPANCY BASED ON 41 PEOPLE ONSITE.

CONSTRUCTION RECORD - FINAL CONSTRUCTION
THE INFORMATION IS BASED ON CONFIRMATION FROM THE CONTRACTOR OF THE INSTALLED WORKS. THERE MAY BE VARIATIONS ON SITE WHICH ARE NOT REFLECTED ON THIS DRAWING AND HAS NOT BEEN VERIFIED BY CURTINS.

Rev:	Description:	Date:	By:	Chkd:
C04	FINAL CONSTRUCTION	10/02/26	JC	CS
C03	RISING MAIN LAYOUT UPDATED	08/10/25	JC	CS
C02	FOUL OUTFALL LOCATION UPDATED	30/04/25	JC	CS
C01	CONSTRUCTION ISSUE	22/11/24	JC	CS
P05	STAGE 4 UPDATE TO SUIT VERMONT COMMENTS RECEIVED 17/09/24	19/09/24	JC	CS
P04	STAGE 4 ISSUE	26/07/24	CS	CG
P03	STAGE 4 DRAFT - FOUL OUTFALL UPDATED	25/04/24	CG	CG
P02	STAGE 4 DRAFT - UPDATED TO LANDSCAPING LEVELS	01/03/24	CG	CG
P01	STAGE 4 DRAFT -ISSUED FOR PLANNING CONDITION DISCHARGE	31/01/24	CS	CG

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Status: FINAL CONSTRUCTION FC

Project: EMBASSY VILLAGE

Drg Title: DRAINAGE STRATEGY SHEET 2 OF 2

Drawn By	Designed By	Checked By
CG	CG	CG

Project No	Date	Scales @ A1
077442	05/12/2023	1:250

Project Code - Originator - Function - Spatial - Form - Discipline - Number: 077442 - CUR - XX - XX - D - C - 92501

Revision: C04

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Manhole schedule - Surface Water

MH REF	CL (mAOD)	IL (mAOD)	DEPTH TO SOFFIT (mAOD)	DS PIPE DIA (mm)	MH DIA (mm)	MH TYPE	CATCHPIT	CATCHPIT DEPTH (mm)	COVER SIZE (mm)	COVER CLASS	COVER TYPE	RECESSED	BACK DROP	Back drop IL (m)	RESTRICTED ACCESS	COMMENTS	EASTING	NORTHING
S1A	26.70	25.95	0.60	150	600	PPIC	Y	300	600X600	B125	SINGLE SEALED	N	N	N/A	N	Catchpit Sump 300mm below invert level	382754.147	397489.873
S1B	26.35	25.65	0.55	150	600	PPIC	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N		382728.064	397475.619
S1	26.25	25.55	0.55	150	600	PPIC	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N		382730.724	397466.827
S2	26.25	25.55	0.55	150	600	PPIC	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N		382713.884	397471.188
S3	26.10	25.29	0.59	225	600	PPIC	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N		382718.252	397461.118
S4	26.20	25.50	0.55	150	600	PPIC	N	N/A	600X600	SUBJECT TO CONFIRMATION OF LOADING BY NETWORK RAIL	SINGLE SEALED	N	N	N/A	N		382701.234	397465.161
S5	26.01	25.21	0.58	225	600	PPIC	Y	300	600X600		SINGLE SEALED	N	N	N/A	N	Catchpit Sump 300mm below invert level	382705.661	397455.008
S6	26.00	25.16	0.62	225	600	PPIC	N	N/A	600X600		SINGLE SEALED	N	N	N/A	N		382697.753	397451.175
S7	26.14	25.44	0.55	150	600	PPIC	N	N/A	600X600		SINGLE SEALED	N	N	N/A	N		382688.905	397459.177
S8	25.97	25.13	0.54	300	1200	TYPE C	N	N/A	1200X675		SINGLE SEALED	N	N	N/A	N		382694.634	397447.046
S9	26.32	25.62	0.55	150	600	PPIC	N	N/A	600X600		SINGLE SEALED	N	N	N/A	N		382676.052	397452.464
S10	25.50	25.05	0.15	300	1200	TYPE C	N	N/A	1200X675		SINGLE SEALED	N	Y	25.51	N		382680.985	397440.928
S11	26.42	25.72	0.55	150	600	PPIC	N	N/A	600X600		SINGLE SEALED	N	N	N/A	N		382664.414	397444.603
S12	26.05	24.98	0.77	300	1200	TYPE C	N	N/A	1200X675		SINGLE SEALED	N	Y	25.62	N		382669.095	397434.575
S13	26.20	25.45	0.60	150	600	PPIC	Y	N/A	600X600		SINGLE SEALED	N	N	N/A	N		382655.084	397439.165
S14	26.04	24.86	0.88	300	1200	TYPE C	N	N/A	1200X675		SINGLE SEALED	N	Y	25.35	N	Catchpit Sump 300mm below invert level	382661.101	397430.772
OUTFALL	25.99	24.85	SUBMERGED	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	Flap valve or mesh screen TBC	382662.083	397428.631

Manhole schedule - Foul Water

MH REF	CL (mAOD)	IL (mAOD)	DEPTH TO SOFFIT (mAOD)	DS PIPE DIA (mm)	MH DIA (mm)	MH TYPE	CATCHPIT	CATCHPIT DEPTH (mm)	COVER SIZE (mm)	COVER CLASS	COVER TYPE	RECESSED	BACK DROP	Back drop IL (m)	RESTRICTED ACCESS	COMMENTS	EASTING	NORTHING
F1	26.33	25.51	0.72	100	450	PPIC	N	N/A	450X450	SUBJECT TO CONFIRMATION OF LOADING BY NETWORK RAIL	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382651.282	397452.792
F2	26.04	25.31	0.63	100	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382661.128	397431.946
F3	26.40	25.58	0.72	100	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382661.764	397464.491
F3A	26.40	25.35	0.95	100	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382663.355	397460.330
F3B	26.40	25.24	1.06	100	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382666.532	397452.470
F4	26.40	25.20	1.10	100	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382668.079	397448.830
F5	26.05	24.68	1.22	150	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	Y	BD1:25.18 BD2:25.08	Y	RESTRICTED ACCESS 350mm DIA MAX;	382673.442	397438.010
F6	26.30	25.48	0.72	100	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382674.211	397471.950
F6A	26.30	25.26	0.94	100	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382676.208	397466.460
F6B	26.30	25.16	1.04	100	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382678.756	397459.840
F7	26.30	25.11	1.09	100	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382680.236	397456.180
F8	25.80	24.43	1.22	150	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	Y	BD:24.97	Y	RESTRICTED ACCESS 350mm DIA MAX;	382685.844	397444.350
F9	OMITTED										OMITTED							
F10	26.12	25.30	0.72	100	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382686.211	397478.910
F10A	26.12	25.08	0.94	100	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382688.437	397473.430
F10B	26.12	24.98		100	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	N	N/A			382691.226	397466.990
F11	26.12	24.93	1.09	100	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382692.847	397463.390
F12	26.00	24.33	1.57	100	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	Y	BD:24.80	Y	RESTRICTED ACCESS 350mm DIA MAX;	382698.354	397452.290
F13	26.18	25.36	0.72	100	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382698.759	397484.670
F13A	26.18	25.14	0.94	100	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382701.111	397479.190
F13B	26.18	25.04	1.04	100	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382704.028	397472.860
F14	26.40	24.99	1.31	100	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	382705.726	397469.290
F15	26.03	24.24	1.64	150	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	Y	BD:24.86	Y	RESTRICTED ACCESS 350mm DIA MAX;	382711.664	397458.480
F16	26.23	25.41	0.72	100	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382711.487	397490.530
F16A	26.23	25.18	0.95	100	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382713.840	397485.060
F16B	26.23	25.09	1.04	100	450	PPIC	N	N/A	450X450		SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382716.756	397478.720
F17	26.23	25.04	1.09	100	450	PPIC	N	N/A	450X450	D400	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382718.455	397475.160
F18	26.12	24.18	1.79	150	450	PPIC	N	N/A	450X450	D400	SINGLE SEALED	N	Y	24.51	Y	RESTRICTED ACCESS 350mm DIA MAX;	382724.232	397464.140
F19	26.45	25.45	0.90	100	600	PPIC	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382741.772	397483.470
F20A	26.34	25.52	0.72	100	600	PPIC	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382724.879	397494.610
F20B	26.34	25.02	1.22	100	600	PPIC	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	382728.700	397486.440
F20	26.35	24.89	1.36	100	450	PPIC	N	N/A	450X450	D400	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	382732.903	397476.900
F21A	26.34	25.53	0.71	100	450	PPIC	N	N/A	450X450	D400	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382719.505	397487.600
F21	26.35	24.72	1.53	100	450	PPIC	N	N/A	450X450	D400	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	382726.062	397473.710
F22	26.12	24.59	1.43	100	450	PPIC	N	N/A	450X450	D400	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	382729.653	397463.980
F23	26.12	PUMP CHAMBER - BY OTHERS															382726.491	397460.700
F24	25.42	23.36	1.91	150	1200	TYPE B	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382677.548	397611.821
C01	25.40	23.35	1.60	450	1500	TYPE B	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	382677.448	397614.196

GENERAL NOTES:

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. ALL ADOPTABLE DRAINAGE WORKS INCLUDING WORKS TO EXISTING PUBLIC SEWERS TO BE UNDERTAKEN IN ACCORDANCE WITH "SEWERS FOR ADOPTION 7th EDITION" AND "CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY 7th EDITION" AND CONSTRUCTED TO THE RELEVANT STATUTORY UNDERTAKERS DETAILS.
3. ALL PRIVATE DRAINAGE WORKS TO BE IN ACCORDANCE WITH CURTINS DRAINAGE SPECIFICATION, "CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY 7th EDITION", BS EN 752 2017 'DRAIN AND SEWER SYSTEMS OUTSIDE BUILDINGS' AND THE BUILDING REGULATIONS APPROVED 'DOCUMENT H'.
4. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
5. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
6. THE CHAMBER SIZE OF MANHOLES WITH MORE THAN ONE CONNECTION MAY NEED TO BE INCREASED TO ACCOMMODATE THE CONNECTIONS AND BENDS.
7. COVER LEVELS BASED ON LANDSCAPE GENERAL ARRANGEMENTS.
8. COVER LEVELS, GULLY POSITIONS, AND BUILDING LOCATION ARE APPROXIMATE AND SHALL BE CONFIRMED BY ARCHITECT/LANDSCAPE ARCHITECT. CONTRACTOR TO ALLOW FOR ADJUSTMENT TO SUIT AGREED POSITIONS AND FINISHED LEVELS, AND CONFIRM ALL COVER LEVELS ON SITE.
9. ALL MANHOLE COVERS IN BLOCK/SLAB AND EXTERNAL PAVING AREAS MAY REQUIRE RECESSED COVERS OF THE APPROPRIATE GRADE TO ACCEPT THE LANDSCAPE ARCHITECT'S PAVING PROPOSAL. TBC BY LANDSCAPE ARCHITECT.
10. THE LANDSCAPE ARCHITECT MAY REQUIRE THE ORIENTATION OF CHAMBER COVERS TO BE CO-ORDINATED WITH THE PAVING PATTERN. THIS WILL BE SUBJECT TO REVIEW WITH THE MANHOLE INTERNAL BENCHING ARRANGEMENT, LANDING AND STEP LOCATION AND IF REQUIRED, SHOULD BE ADVISED TO US AS SOON AS POSSIBLE.
11. ALL MANHOLE, GULLY AND CHANNEL (ACCESS/OUTLET) COVERS (IRONWORK) SHOULD BE THE FOLLOWING SPECIFICATION:
    - B125 LOAD CLASS IN PEDESTRIAN AREAS
    - D400 LOAD CLASS IN VEHICULAR AREAS.

    ANY AMBIGUITIES ON DRAWINGS/ACCESS AND MAINTENANCE STRATEGY SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY.
12. ALL SURFACE CHANNEL ACCESS BOXES/OUTLET BOXES IN BLOCK/SLAB AND EXTERNAL PAVING AREAS MAY REQUIRE RECESSED COVERS OF THE APPROPRIATE GRADE TO ACCEPT THE LANDSCAPE ARCHITECT'S PAVING PROPOSAL. TBC BY LANDSCAPE ARCHITECT AND SUBJECT TO AVAILABILITY FROM MANUFACTURER.
13. ALL SURFACE CHANNELS TO BE OF THE TREADSAFE TYPE, UNLESS OTHERWISE SPECIFIED.
14. ALL PROPRIETARY PRODUCTS TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS, INSTRUCTIONS AND RECOMMENDATIONS.

CONSTRUCTION RECORD - FINAL CONSTRUCTION

THE INFORMATION IS BASED ON CONFIRMATION FROM THE CONTRACTOR OF THE INSTALLED WORKS. THERE MAY BE VARIATIONS ON SITE WHICH ARE NOT REFLECTED ON THIS DRAWING AND HAS NOT BEEN VERIFIED BY CURTINS.

Rev:	Description:	Date:	By:	Chkd:
C06	FINAL CONSTRUCTION UPDATE	27/05/26	JC	CS
C05	FINAL CONSTRUCTION	10/02/26	JC	CS
C04	C01 UPDATED FOLLOWING S104 UPDATE	08/10/25	JC	CS
C03	FOUL OUTFALL UPDATED	03/07/25	JC	CS
C02	CONSTRUCTION UPDATE - MANHOLE COORDINATES ADDED	11/02/25	JC	CS
C01	CONSTRUCTION ISSUE	22/11/24	JC	CS
P03	STAGE 4 UPDATE TO SUIT VERMONT COMMENTS RECEIVED 17/09/24	19/09/24	JC	CS
P02	STAGE 4 ISSUE	26/07/24	CS	CG
P01	STAGE 4 DRAFT	21/06/24	JC	CG

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Status: FINAL CONSTRUCTION — FC

Project: EMBASSY VILLAGE

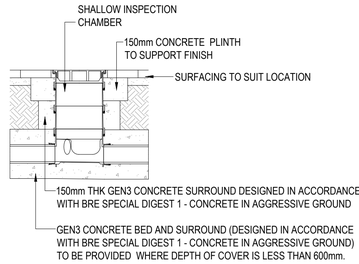
Drg Title: MANHOLE SCHEDULE

Drawn By	Designed By	Checked By
JC	CS	CG

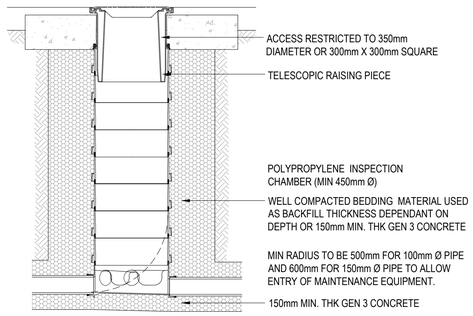
Project No	Date	Scales @ A1
077442	03/01/24	N/A

Project Code - Originator - Function - Spatial - Form - Discipline - Number	Revision
077442 - CUR - XX - XX - D - C - 92510	C06

\\ms-fs-1\Projects\077001 - 078000\077442 - Embassy Village\04-Production\4A-Models-Drawings\CIVIL\092.

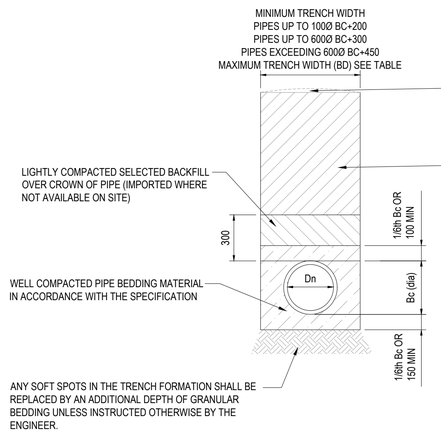


SHALLOW INSPECTION CHAMBER
MAX DEPTH 1.2m



DEEP INSPECTION CHAMBER
DEPTHS BETWEEN 1.2m AND 3.0m

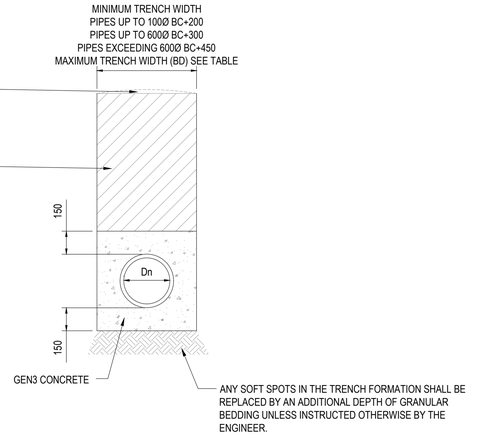
TYPICAL INSPECTION CHAMBER DETAILS - PPIC



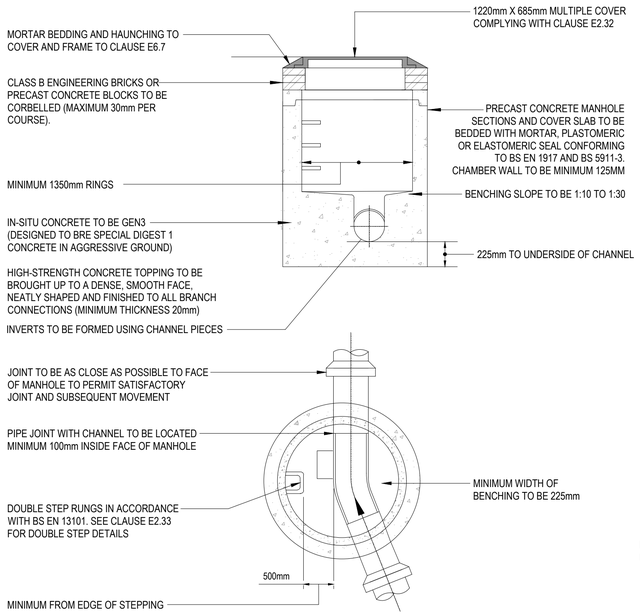
CLASS S - 360° GRANULAR SURROUND PIPE BEDDING DETAIL

Dn	Bd
150	0.6
225	0.7
300	0.85
375	1.05
450	1.15
525	1.25
600	1.35
675	1.45
750	1.50

MAXIMUM TRENCH WIDTH

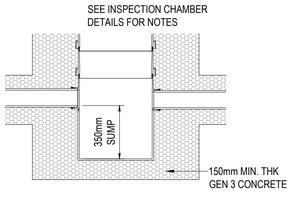


CLASS Z - CONCRETE BED AND SURROUND PIPE BEDDING DETAIL
(COVER < 900mm IN VEHICULAR LOADING AND OPEN FIELD.
COVER <600mm ELSEWHERE EXCEPT UNDER BUILDINGS.)

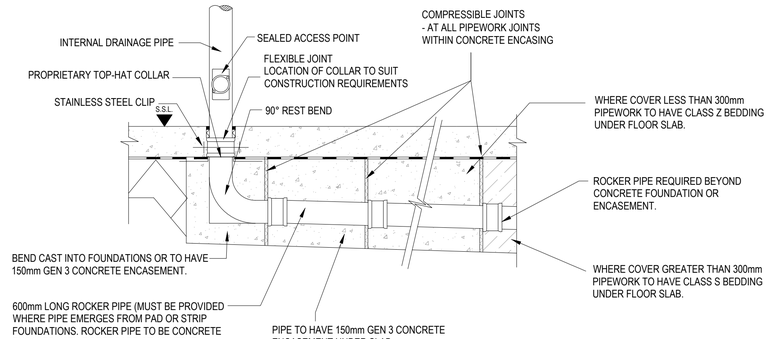


MANHOLE COVERS WITHIN TRAFFICKED PAVED AREAS TO BE D400 RECESSED COVERS.

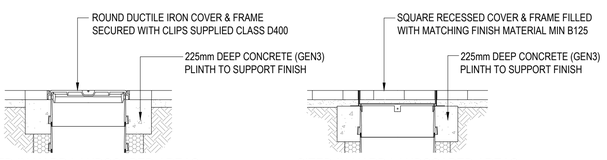
TYPICAL MANHOLE DETAIL - TYPE C
(DEPTH FROM COVER TO SOFFIT OF PIPE <1.5 m)



PPIC CATCHPIT BASE DETAIL



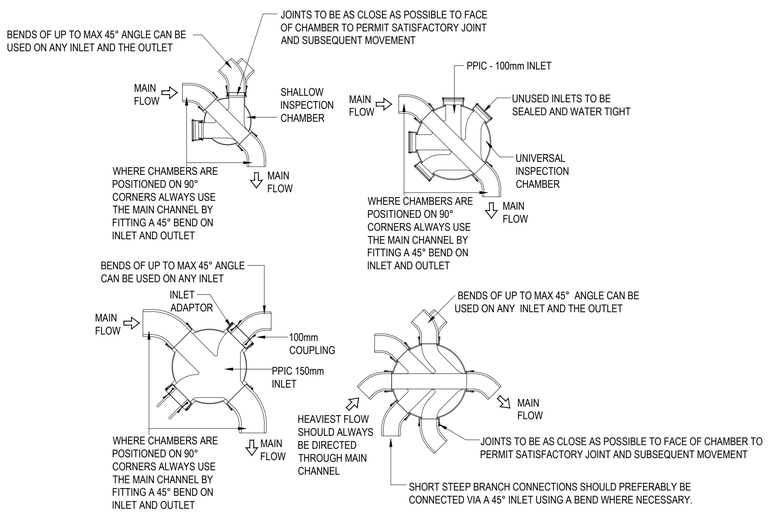
DRAINAGE UNDER BUILDINGS



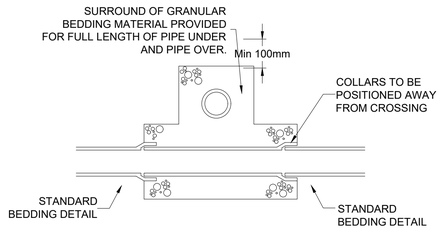
SITED IN HARD LANDSCAPED AREAS WITH STANDARD ROUND COVER

SITED IN HARD LANDSCAPED AREAS WITH RECESSED COVER

TYPICAL INSPECTION CHAMBER COVER DETAILS



INSPECTION CHAMBER BASE DETAILS



PIPE CROSSINGS DETAIL
(SCALE 1:20)

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
4. FOR FULL DRAINAGE NOTES REFER TO 077442-CUR-XX-XX-D-C-92510

CONSTRUCTION RECORD - FINAL CONSTRUCTION
THE INFORMATION IS BASED ON CONFIRMATION FROM THE CONTRACTOR OF THE INSTALLED WORKS. THERE MAY BE VARIATIONS ON SITE WHICH ARE NOT REFLECTED ON THIS DRAWING AND HAS NOT BEEN VERIFIED BY CURTINS.

Rev:	Description:	Date:	By:	Chkd:
C02	FINAL CONSTRUCTION	10/02/26	JC	CS
C01	CONSTRUCTION ISSUE	22/11/24	JC	CS
P02	STAGE 4 ISSUE	26/07/24	CS	CG
P01	STAGE 4 DRAFT	21/06/24	JC	CG

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Status: FINAL CONSTRUCTION — FC

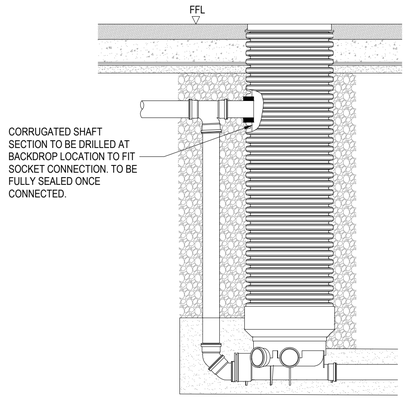
Project: EMBASSY VILLAGE

Drg Title: DRAINAGE DETAILS SHEET 1

Drawn By	Designed By	Checked By
JC	CS	CG
Project No: 077442	Date: 03/01/24	Scales @ A1: N/A

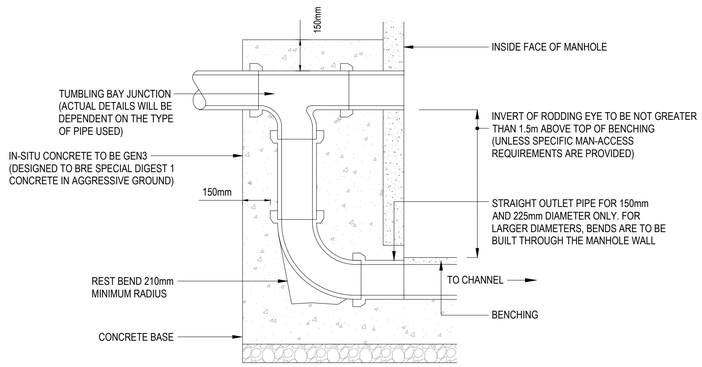
Project Code - Originator - Function - Spatial - Form - Discipline - Number: 077442 - CUR - XX - XX - D - C - 92520
Revision: C02

\\ma-fs-1\Projects\07701 - 078\00\077442 - Embassy Village\04-Production\4A-Models-Drawings\C\CAD\52\

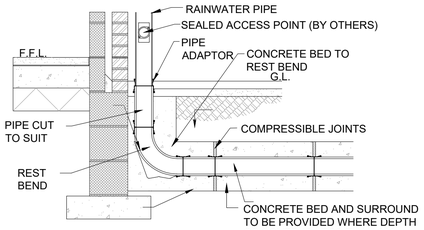


FOR GENERAL CHAMBER NOTES REFER TO TYPICAL INSPECTION CHAMBER DETAIL

TYPICAL INSPECTION CHAMBER BACKDROP DETAIL

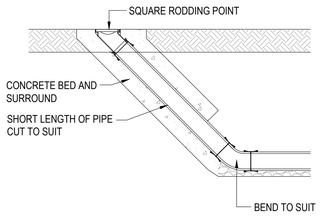


EXTERNAL VERTICAL BACKDROP

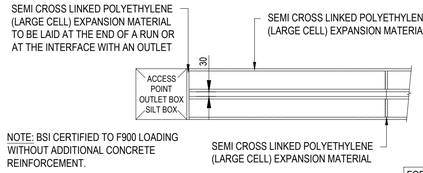


RWP CONNECTION DETAIL

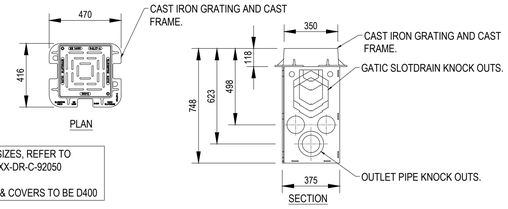
(SCALE 1:20)



RODDING POINT DETAIL (RE)



GATIC PLAN DETAIL

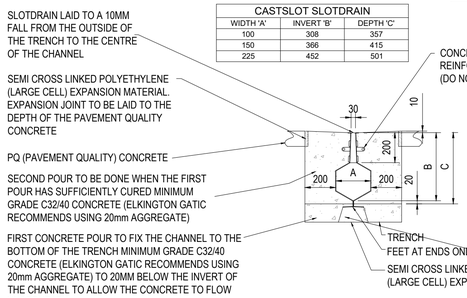


FOR CHANNEL SIZES, REFER TO WCHS-CUR-XX-XX-DR-C-92050

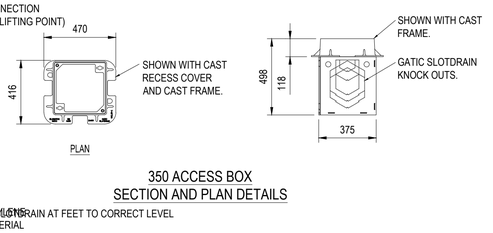
ALL CHANNELS & COVERS TO BE D400

GATIC SLOTDRAIN 350mm OUTLET UNIT SECTION AND PLAN DETAILS

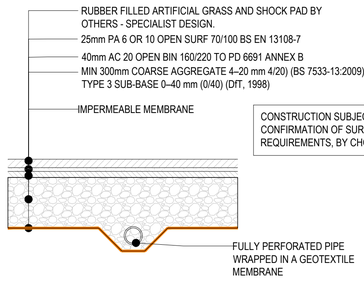
CASTSLOT SLOTDRAIN		
WIDTH 'A'	INVERT 'B'	DEPTH 'C'
100	308	357
150	366	415
225	452	501



GATIC SLOTDRAIN CASTSLOT TREADSAFE CONCRETE INSTALLATION

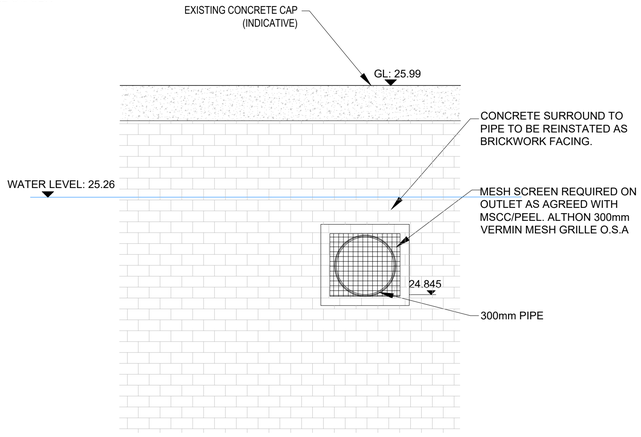


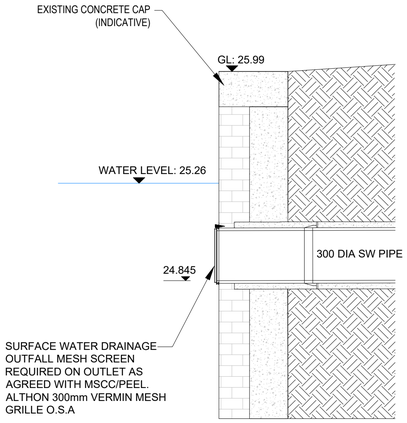
350 ACCESS BOX SECTION AND PLAN DETAILS



CONSTRUCTION SUBJECT TO CONFIRMATION OF SURFACING REQUIREMENTS, BY CHOSEN SUPPLIER.

RUBBER CRUMB ARTIFICIAL GRASS - (PEDESTRIAN ONLY)
ASSUMED 5% CBR





GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
4. FOR FULL DRAINAGE NOTES REFER TO 077442-CUR-XX-XX-D-C-92510

CONSTRUCTION RECORD - FINAL CONSTRUCTION

THE INFORMATION IS BASED ON CONFIRMATION FROM THE CONTRACTOR OF THE INSTALLED WORKS. THERE MAY BE VARIATIONS ON SITE WHICH ARE NOT REFLECTED ON THIS DRAWING AND HAS NOT BEEN VERIFIED BY CURTINS.

Rev.	Description:	Date:	By:	Chkd:
C02	FINAL CONSTRUCTION	10/02/26	JC	CS
C01	CONSTRUCTION ISSUE	22/11/24	JC	CS
P03	STAGE 4 UPDATE TO SUIT VERMONT COMMENTS RECEIVED 17/09/24	19/09/24	JC	CS
P02	STAGE 4 ISSUE	26/07/24	CS	CG
P01	STAGE 4 DRAFT	21/06/24	JC	CG

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Status: FINAL CONSTRUCTION — FC

Project: EMBASSY VILLAGE

Drg Title: DRAINAGE DETAILS SHEET 2

Drawn By	Designed By	Checked By
JC	CS	CG
Project No: 077442	Date: 03/01/24	Scales @ A1: N/A

Project Code - Originator - Function - Spatial - Form - Discipline - Number: 077442 - CUR - XX - XX - D - C - 92521

Revision: C02

\\ms-fs-1\Projects\077001 - 078000\077442 - Embassy Village\04-Production\4A-Models-Drawings\C\CAD\92521

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.

2. ALL ADOPTABLE DRAINAGE WORKS INCLUDING WORKS TO EXISTING PUBLIC SEWERS TO BE UNDERTAKEN IN ACCORDANCE WITH "DESIGN AND CONSTRUCTION GUIDANCE FOR FOUL AND SURFACE WATER SEWERS OFFERED FOR ADOPTION - LATEST EDITION" AND "CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY 7th EDITION" AND CONSTRUCTED TO THE RELEVANT STATUTORY UNDERTAKERS DETAILS.

3. ALL PRIVATE DRAINAGE WORKS TO BE IN ACCORDANCE WITH CURTINS DRAINAGE SPECIFICATION, "CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY 7th EDITION", BS EN 752 2017 'DRAIN AND SEWER SYSTEMS OUTSIDE BUILDINGS' AND THE BUILDING REGULATIONS APPROVED 'DOCUMENT H'.

4. DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.

5. DESIGN BASED ON TOPOGRAPHICAL SURVEY AND CCTV SURVEY INFORMATION AVAILABLE AT THE TIME OF THE DESIGN.

6. ALL EXISTING SERVICES TO BE LOCATED PRIOR TO COMMENCEMENT OF ANY DRAINAGE WORKS, AND WHERE NECESSARY PROTECTION OR DIVERSIONS TO BE UNDERTAKEN TO AVOID CONFLICT WITH THE PROPOSED WORK.

7. OUTFALL CONNECTION(S) SUBJECT TO AGREEMENT WITH THE APPROVING AUTHORITY.

8. ALL DIMENSIONS ARE IN METRES AND LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS OTHERWISE NOTED.

9. COVER LEVELS, GULLY POSITIONS, AND BUILDINGS LOCATION ARE APPROXIMATE AND SHALL BE CONFIRMED BY ARCHITECT/ LANDSCAPE ARCHITECT. CONTRACTOR TO ALLOW FOR ADJUSTMENT TO SUIT AGREED POSITIONS AND FINISHED LEVELS, AND CONFIRM ALL COVER LEVELS ON SITE.

10. ALL INTERNAL DRAINAGE CONNECTIONS ARE PROVIDED TO THE PENETRATION POSITIONS SHOWN ON ARCHITECT AND M&E DRAWINGS. REFER TO DIMENSIONED LOCATIONS AND DIAMETERS ON ARCHITECT'S GROUND FLOOR SETTING-OUT PLANS.

11. ALL UNDERGROUND FOUL DRAINAGE SHOULD BE SUITABLY VENTED AT OR NEAR TO THE HEAD OF RUNS.

12. ALL ACCESS FITTINGS, STACKS, RWP'S AND GULLIES TO BE RODDABLE. ALL TO HAVE LOW LEVEL RODDING ACCESS PLATES UNLESS AN ALTERNATIVE MEANS OF ACCESS IS AGREED. ACCESS POINT TO BE ABOVE ANY GROUND FLOOR CONNECTED APPLIANCE SPILL LEVEL.

13. LARGE ACCESS FITTING REQUIRED ABOVE GROUND WHERE GREATER THAN 12M UP TO 22M TO A JUNCTION. SMALL ACCESS FITTING REQUIRED UP TO 12M TO A JUNCTION.

14. ALL GULLY AND CHANNEL DRAIN OUTLETS AND TERMINATION POINTS TO BE TRAPPED AND RODDABLE. INTERNAL GULLIES AND CHANNEL DRAINS TO BE SPECIFIED BY OTHERS.

15. WHERE NO WC'S ARE CONNECTED UPSTREAM, UNDERSLAB FW DRAINAGE TO BE LAID AT 1:40 MIN. AFTER THE CONNECTION OF AT LEAST 1NO WC, A MIN. FALL OF 1:80 APPLIES.

16. ALL CONNECTIONS FROM POP-UPS TO BE LAID AT A CONSTANT GRADIENT TO JUNCTION/ INSPECTION CHAMBER/ MANHOLE UNLESS NOTED OTHERWISE. ANY ISSUES RELATING TO CLASHES WITH FOUNDATIONS ARE TO BE FORWARDED TO THE ENGINEER, ALLOWING SUFFICIENT TIME FOR AN ALTERNATIVE SOLUTION TO BE PROPOSED.

17. INVERT LEVELS AT MANHOLES/ INSPECTION CHAMBERS TO BE USED TO SET OUT PIPEWORK. PIPE GRADIENTS ARE SHOWN INDICATIVELY ONLY.

18. ALL PIPE DIAMETERS GIVEN ARE NOMINAL INTERNAL PIPE DIAMETERS.

19. ALL SEWERS, UNLESS AGREED OTHERWISE STATED, SHALL BE:
- 100mm to 300mm DIA TO BE VITRIFIED CLAY.
- 375mm DIA AND GREATER TO BE CLASS 120 CONCRETE PIPES.

20. AS AN ALTERNATIVE THE CONTRACTOR MAY USE AN APPROVED UNPLASTICISED POLYVINYL CHLORIDE (PVCU) WITH APPROVAL FROM THE ENGINEER.

21. SEWER PIPES TO BE LAID IN MAXIMUM 3 METRE LENGTHS UNLESS THERE IS A SPECIFIC OPERATIONAL NEED TO LAY LONGER LENGTHS.

22. THE FIRST PIPE OUT OF MANHOLES TO BE AS SHORT AS PRACTICABLE SO AS TO PROVIDE A FLEXIBLE JOINT AS CLOSE AS POSSIBLE TO THE OUTSIDE FACE OF THE CONCRETE SURROUND AND CONNECTED TO A LENGTH OF ROCKER PIPE.

23. ALL NEW CONNECTIONS INTO EXISTING MANHOLES (OR INTO EXISTING SEWERS) TO BE 'SOFFITS LEVEL' UNLESS OTHERWISE NOTED.

24. ALL ADOPTABLE DRAINAGE PIPES WILL REQUIRE A MINIMUM OF 1200mm COVER, IN ACCORDANCE WITH SEWERAGE UNDERTAKERS REQUIREMENTS. WHERE THIS IS NOT ACHIEVED, IT WILL BE NECESSARY TO AGREE THE BED AND SURROUND DETAIL.

25. ALL PRIVATE DRAINAGE PIPES WITH A COVER OF LESS THAN 600mm IN NON-TRAFFICKED AREAS AND LESS THAN 1200mm IN TRAFFICKED AREAS TO BE BEDDED AND SURROUNDED IN CONCRETE (CLASS Z). COMPRESSIBLE MATERIAL SHALL BE PROVIDED AT EVERY PIPE JOINT. WHERE COVER EXCEEDS THIS DEPTH, PIPES ARE TYPICALLY BEDDED AND SURROUNDED IN CLASS S. REFER TO PIPE EMBEDMENT DETAILS DRAWING FOR SPECIFIC TYPES.

26. WHERE DRAINAGE PIPES ARE LESS THAN 300mm BELOW THE UNDERSIDE OF THE GROUND FLOOR SLAB, CONCRETE ENCASEMENT IS REQUIRED (CLASS Z). COMPRESSIBLE JOINTS ARE TO BE PROVIDED AT EVERY PIPE JOINT WITHIN THE CONCRETE.

27. WHERE PIPES ARE MORE THAN 300mm BELOW THE UNDERSIDE OF THE SLAB, CLASS S BEDDING IS ACCEPTABLE.

28. SULPHATE RESISTANT CEMENT (C20-DC2) AND PRECAST CONCRETE PRODUCTS MUST BE USED OR A LABORATORY REPORT PROVIDED TO PROVE THAT SUCH PRECAUTIONS ARE NOT REQUIRED.

29. WHERE FOUL SEWERS RUN ABOVE SURFACE SEWERS, CONCRETE PROTECTION MAY BE REQUIRED AT CROSSOVERS TO PREVENT ANY POTENTIAL CONTAMINATION.

30. ALL CONNECTIONS PASSING THROUGH BASES OR EDGE BEAMS TO BE IN SEALED SLEEVES. ALTERNATIVELY CONNECTIONS MAY BE CAST-IN WITH FLEXIBLE JOINTS NOT GREATER THAN 150MM FROM FACE OF CONCRETE.

31. THE CHAMBER SIZE OF MANHOLES WITH MORE THAN ONE CONNECTION MAY NEED TO BE INCREASED TO ACCOMMODATE THE CONNECTIONS AND BENDS.

32. ALL MANHOLE COVERS IN BLOCK/SLAB AND EXTERNAL PAVING AREAS TO HAVE RECESSED COVERS OF THE APPROPRIATE GRADE TO ACCEPT ARCHITECT'S PAVING PROPOSAL.

33. ALL INTERNAL COVERS TO HAVE MECHANICALLY JOINTED CORNERS AND DOUBLE SEALED WITH RECESSED TRAY TO ALLOW FOR FINISHES.

34. UNLESS NOTED OTHERWISE IN THE MANHOLE SCHEDULE, ALL MANHOLE, GULLY AND CHANNEL COVERS (IRONWORK) SHOULD BE THE FOLLOWING SPECIFICATION:
- B125 LOAD CLASS IN PEDESTRIAN AREAS
- D400 LOAD CLASS IN VEHICULAR AREAS.

35. WHERE LAND DRAINAGE PERFORATED PIPES ARE SPECIFIED, TH E PIPES SHOULD BE FULLY PERFORATED AND IN ACCORDANCE WITH BS EN 295.

36. PERFORATED PIPES SHOULD BE WRAPPED IN A GEOTEXTILE MEMBRANE UNLESS NOTED OTHERWISE.

37. ALL PROPRIETARY PRODUCTS TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS, INSTRUCTIONS AND RECOMMENDATIONS.

38. THE DESIGN IS BASED ON A GRAVITY RAINWATER SYSTEM.

GENERAL NOTES:

CONSTRUCTION RECORD - FINAL CONSTRUCTION

THE INFORMATION IS BASED ON CONFIRMATION FROM THE CONTRACTOR OF THE INSTALLED WORKS. THERE MAY BE VARIATIONS ON SITE WHICH ARE NOT REFLECTED ON THIS DRAWING AND HAS NOT BEEN VERIFIED BY CURTINS.

Rev:	Description:	Date:	By:	Chkd:
C02	FINAL CONSTRUCTION	10/02/26	JC	CS
C01	CONSTRUCTION ISSUE	22/11/24	JC	CS
P01	STAGE 4 ISSUE	26/07/24	CS	CG

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Status: FINAL CONSTRUCTION — FC

Project: EMBASSY VILLAGE

Drg Title: DRAINAGE NOTES

Drawn By	Designed By	Checked By
JC	CS	CG
077442	Date: 03/01/24	Scales @ A2: N/A

Project No - Originator - Function - Spatial - Form - Discipline - Number: 077442 - CUR - XX - XX - D - C - 92530

Revision: C02

\\ma-fs-1\Projects\077001 - 078000\077442 - Embassy Village\Q4-Production\4A-Models-Drawings\C\CAD\92\

Appendix E

Pumping Station Commissioning Certificates

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SUBS-03-MC- Drainage inspection

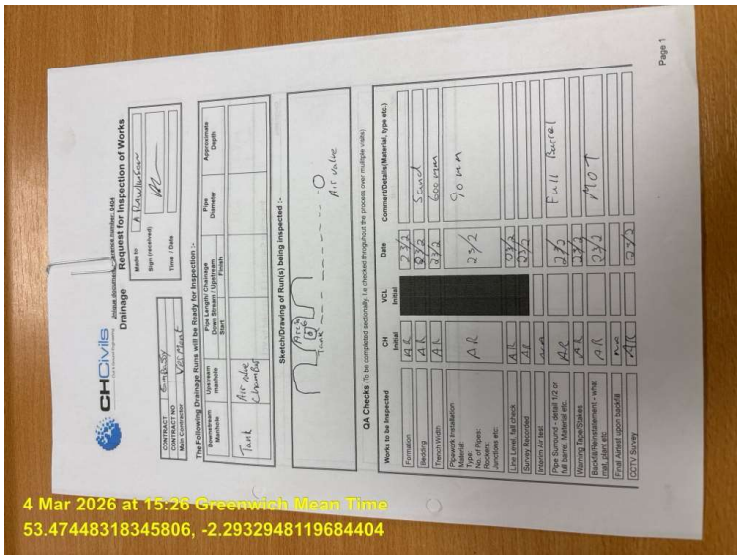
Form Reference	F565468.2
Owned By	Matthew Mullarkey (Vermont Construction (Manchester) Limited)
Date	01/02/2026 12:12:29
Status	Completed and signed off
Location	Embassy Village

Form Location	Embassy Village
Drain run reference	Valve chamber to pumping chamber
Required Inspections agreed with Building control?	N/A

PRE BACKFILL

Is Subcontractors pre backfill inspections issued?	Yes

Images



04/03/2026 15:26:58

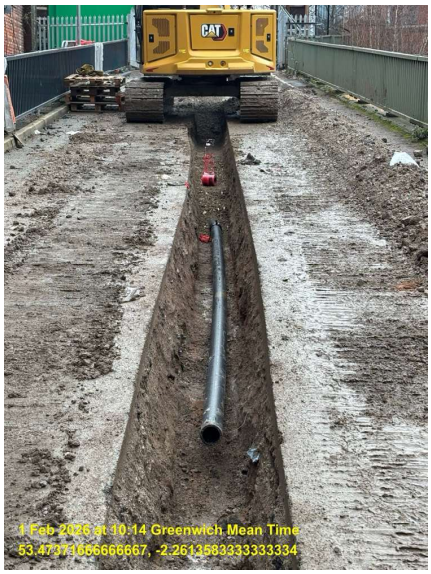
Are the pipes the correct diameter and correct material?	Yes

Images



01/02/2026 12:13:32

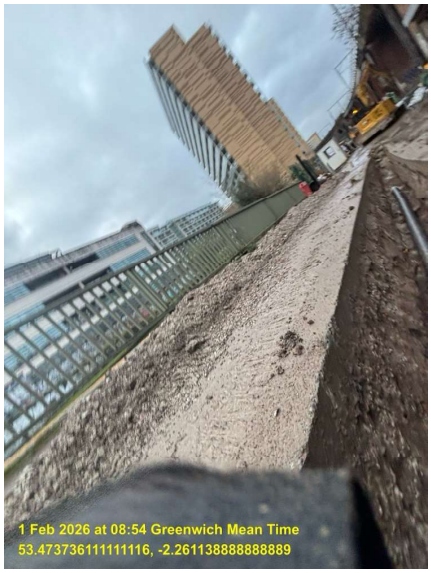
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01/02/2026 12:13:33



01/02/2026 12:13:33



01/02/2026 12:13:34

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01/02/2026 12:13:35



01/02/2026 12:13:35



01/02/2026 12:13:36

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01/02/2026 12:13:37



01/02/2026 12:13:38

Is pipe bed and surround as per spec?	Yes

Images

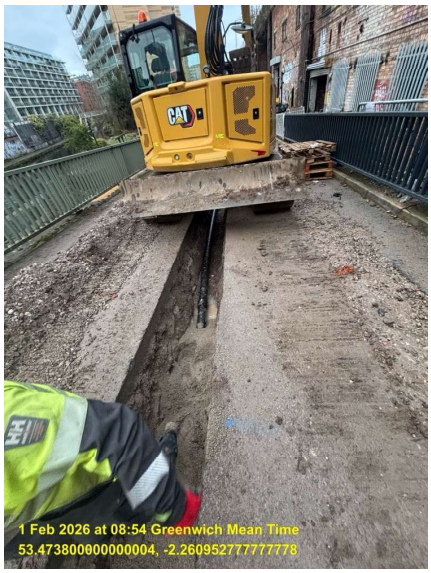


01/02/2026 12:14:07

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01/02/2026 12:14:07



01/02/2026 12:14:08



01/02/2026 12:14:09

Any branches in place and position logged?	Yes

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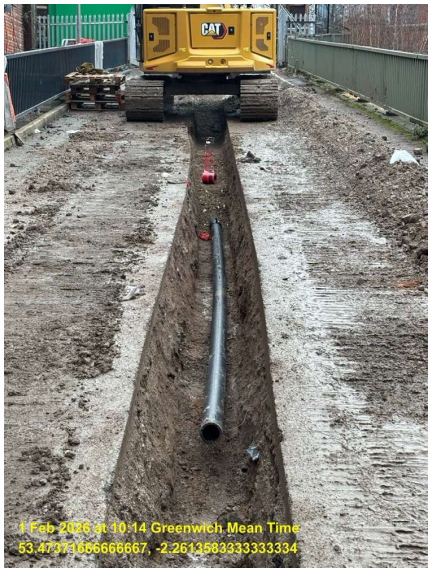
Comments	Created By	Date
There are no branches from this drainage run.	Matthew Mullarkey (Vermont Construction (Manchester) Limited)	01/02/2026 12:14:27

Is backfilling spec agreed, thickness specific to plant used, and correct plant available. Backfilling may proceed.	Yes

Images



01/02/2026 12:14:39



01/02/2026 12:14:40

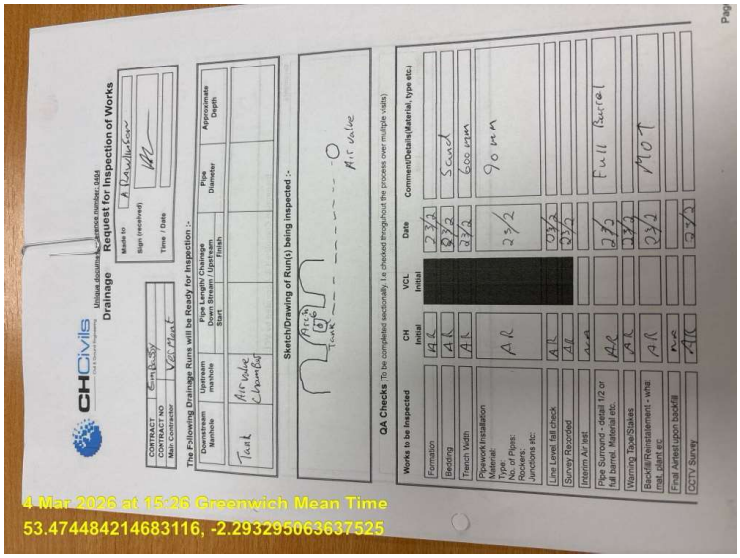
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01/02/2026 12:14:42

POST BACKFILL	
Is final subcontract inspection issued and covers backfill operation?	Yes

Images



04/03/2026 15:26:39

As Built invert levels within tolerance?	Yes
HOLD POINT - After backfilling completed has an air test witnessed and passed?	Yes
If applicable is preformed plastic inspection chamber in place and suitable?	N/A

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SUBS-03-MC- Drainage inspection

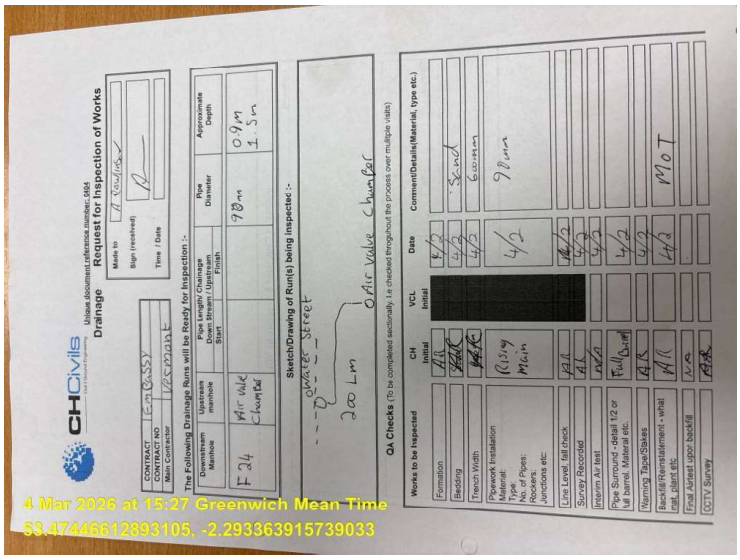
Form Reference	F1.5788762
Owned By	Matthew Mullarkey (Vermont Construction (Manchester) Limited)
Date	16/01/2026 07:53:46
Status	Completed and signed off
Location	Embassy Village

Form Location	Embassy Village
Drain run reference	Rising Main Termination Manhole - Corner of Water street.
Required Inspections agreed with Building control?	N/A

PRE BACKFILL

Is Subcontractors pre backfill inspections issued?	Yes

Images



04/03/2026 15:27:27

Are the pipes the correct diameter and correct material?	No

Reference	Description	Date	Status	Issued To Package	Issued To Organisation
T565468.48	Weld has failed as pins have not released	01/02/2026 12:10:50	Closed	Groundworks	CH Civils

Images



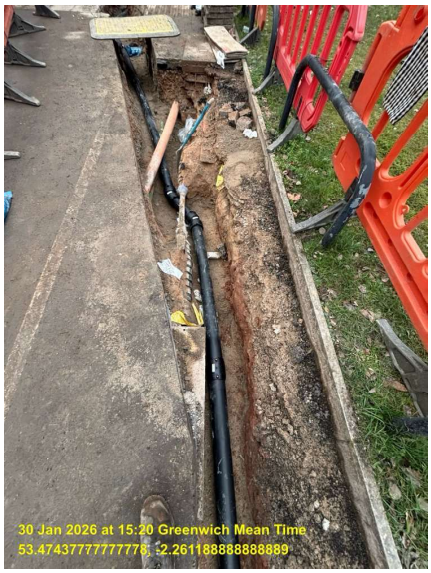
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01/02/2026 12:10:38

Images



01/02/2026 12:07:06



01/02/2026 12:07:26

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01/02/2026 12:07:27

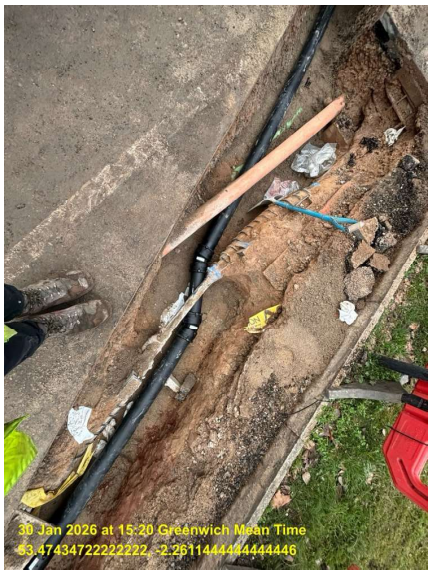


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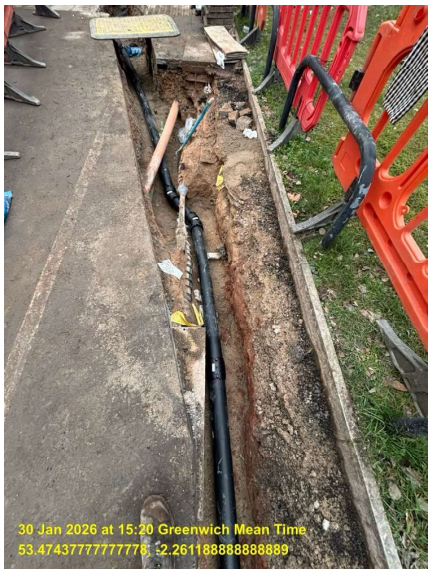


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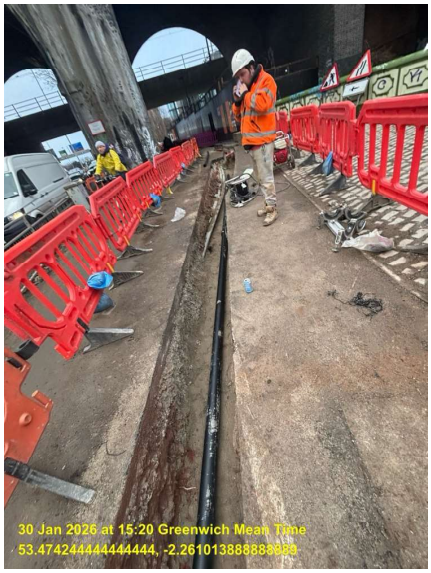
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01/02/2026 12:07:30



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01/02/2026 12:07:43



01/02/2026 12:07:44

vermont



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01/02/2026 12:07:45



01/02/2026 12:07:46

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01/02/2026 12:07:46



01/02/2026 12:07:47



01/02/2026 12:07:48

vermont



01/02/2026 12:07:49



01/02/2026 12:07:51

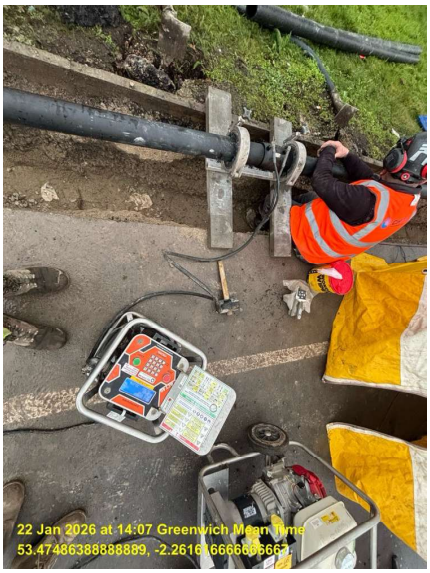


01/02/2026 12:07:52

vermont



01/02/2026 12:07:54



01/02/2026 12:07:54



01/02/2026 12:07:56

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01/02/2026 12:07:57



01/02/2026 12:07:59



01/02/2026 12:08:13

vermont



01/02/2026 12:08:14



01/02/2026 12:08:15



01/02/2026 12:08:15

vermont



01/02/2026 12:08:16



01/02/2026 12:08:17

Is pipe bed and surround as per spec?	Yes

Images



01/02/2026 12:09:09

vermont



01/02/2026 12:09:14



01/02/2026 12:09:15



01/02/2026 12:09:16

vermont



01/02/2026 12:09:18



01/02/2026 12:09:18

Any branches in place and position logged?	Yes

Comments	Created By	Date
There are no Branches on this Run.	Matthew Mullarkey (Vermont Construction (Manchester) Limited)	22/01/2026 07:56:52

Is backfilling spec agreed, thickness specific to plant used, and correct plant available. Backfilling may proceed.	Yes

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Images



01/02/2026 12:11:47



01/02/2026 12:11:48



01/02/2026 12:11:49

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01/02/2026 12:11:49



01/02/2026 12:11:50



01/02/2026 12:11:51

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01/02/2026 12:11:52



01/02/2026 12:11:53

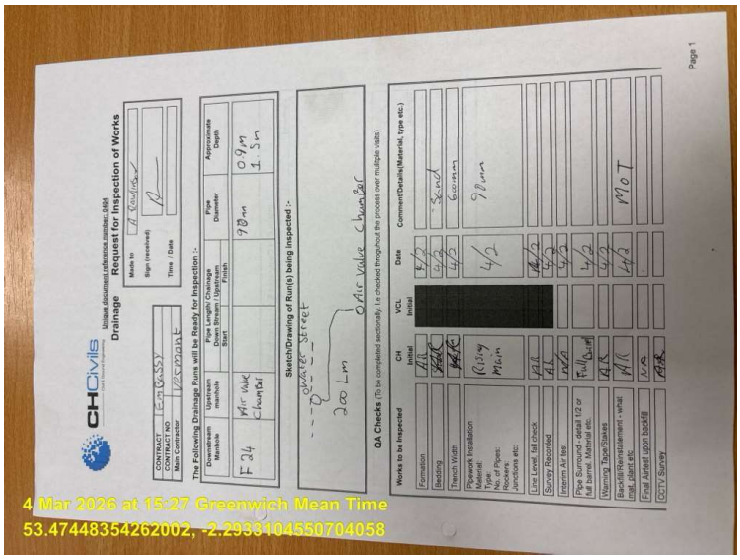


01/02/2026 12:11:54

POST BACKFILL	
Is final subcontract inspection issued and covers backfill operation?	Yes

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Images



04/03/2026 15:27:45

As Built invert levels within tolerance?	Yes
HOLD POINT - After backfilling completed has an air test witnessed and passed?	Yes
If applicable is preformed plastic inspection chamber in place and suitable?	N/A

Appendix F

Surface Water Drainage Calculations

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Design Settings

Rainfall Methodology	FSR	Maximum Time of Concentration (mins)	30.00
Return Period (years)	1	Maximum Rainfall (mm/hr)	50.0
Additional Flow (%)	0	Minimum Velocity (m/s)	1.00
FSR Region	England and Wales	Connection Type	Level Soffits
M5-60 (mm)	17.000	Minimum Backdrop Height (m)	0.200
Ratio-R	0.400	Preferred Cover Depth (m)	0.600
CV	0.750	Include Intermediate Ground	✓
Time of Entry (mins)	5.00	Enforce best practice design rules	✓

Circular Link Type

Template	Freeform Carrier	Auto Increment (mm)	75
Shape	Circular	Follow Ground	x
Barrels	1		

Available Diameters (mm)

100 | 150

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
S1A	0.020	5.00	26.700	600	382754.147	397489.873	0.750
S1B	0.010	5.00	26.350	600	382728.064	397475.619	0.700
S1			26.250	600	382730.724	397466.827	0.700
S2	0.005	5.00	26.250	600	382713.884	397471.189	0.700
S3	0.050	5.00	26.100	600	382718.252	397461.118	0.810
S4	0.005	5.00	26.200	600	382701.234	397465.161	0.700
S5			26.010	600	382705.661	397455.008	0.800
S6			26.000	600	382697.753	397451.175	0.840
S7	0.015	5.00	26.140	600	382688.905	397459.177	0.700
S8			25.970	1200	382694.335	397447.714	0.840
S9	0.005	5.00	26.320	600	382676.052	397452.464	0.700
S10	0.050	5.00	25.800	1200	382680.721	397441.519	0.750
S11	0.005	5.00	26.420	600	382664.080	397445.525	0.700
S12			26.050	1200	382668.520	397435.816	1.075
S13	0.010	5.00	26.200	600	382655.084	397439.165	0.750
S14			26.040	1200	382661.101	397430.772	1.185
OUTFALL			25.990	1	382661.982	397428.313	1.145

Links (Input)

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
1.000	S1A	S1B	29.724	0.600	25.950	25.650	0.300	99.1	150	5.49	44.8
1.001	S1B	S1	12.465	0.600	25.650	25.550	0.100	124.7	150	5.72	44.5
1.002	S1	S3	13.717	0.600	25.550	25.365	0.185	74.1	150	5.92	43.7
1.003	S3	S5	13.995	0.600	25.290	25.210	0.080	174.9	225	6.15	42.9
1.004	S5	S6	8.788	0.600	25.210	25.160	0.050	175.8	225	6.30	42.4
1.005	S6	S8	4.864	0.600	25.160	25.130	0.030	162.1	225	6.38	42.1
1.006	S8	S10	14.957	0.600	25.130	25.050	0.080	187.0	225	6.64	41.4
1.007	S10	S12	13.468	0.600	25.050	24.975	0.075	179.6	225	6.88	40.7
1.008	S12	S14	8.971	0.600	24.980	24.930	0.050	179.4	225	7.03	40.3

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Links (Input)

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
2.000	S2	S3	10.977	0.600	25.550	25.340	0.210	52.3	150	5.13	45.8
3.000	S4	S5	11.076	0.600	25.500	25.260	0.240	46.2	150	5.12	46.0
4.000	S7	S8	12.684	0.600	25.440	25.175	0.265	47.9	150	5.15	45.2
5.000	S9	S10	11.899	0.600	25.620	25.510	0.110	108.2	225	5.16	44.6
6.000	S11	S12	10.676	0.600	25.720	25.620	0.100	106.8	150	5.18	45.3
7.000	S13	S14	10.327	0.600	25.450	25.350	0.100	103.3	150	5.17	45.5
1.009	S14	OUTFALL	2.612	0.600	24.855	24.845	0.010	261.2	300	7.07	40.1

Simulation Settings

Rainfall Methodology	FSR	Analysis Speed	Normal
Rainfall Events	Singular	Skip Steady State	x
FSR Region	England and Wales	Drain Down Time (mins)	240
M5-60 (mm)	17.000	Additional Storage (m³/ha)	0.0
Ratio-R	0.400	Starting Level (m)	
Summer CV	0.750	Check Discharge Rate(s)	x
Winter CV	0.840	Check Discharge Volume	x

Storm Durations

15	30	60	120	180	240	360	480	600	720	960	1440

Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
2	0	0	0
30	0	0	0
100	40	0	0

Node OUTFALL Surcharged Outfall

Overrides Design Area	x	Depression Storage Area (m²)	0	Evapo-transpiration (mm/day)	0
Overrides Design Additional Inflow	x	Depression Storage Depth (mm)	0		

Applies to All storms

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
0	0.415	300	0.415	600	0.415	900	0.415	1200	0.415
60	0.415	360	0.415	660	0.415	960	0.415	1260	0.415
120	0.415	420	0.415	720	0.415	1020	0.415	1320	0.415
180	0.415	480	0.415	780	0.415	1080	0.415	1380	0.415
240	0.415	540	0.415	840	0.415	1140	0.415	1440	0.415

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
2 year 15 minute summer	119.760	33.888	2 year 120 minute winter	20.961	8.338
2 year 15 minute winter	84.042	33.888	2 year 180 minute summer	24.133	6.210
2 year 30 minute summer	77.518	21.935	2 year 180 minute winter	15.687	6.210
2 year 30 minute winter	54.399	21.935	2 year 240 minute summer	19.039	5.032
2 year 60 minute summer	51.720	13.668	2 year 240 minute winter	12.649	5.032
2 year 60 minute winter	34.361	13.668	2 year 360 minute summer	14.516	3.735
2 year 120 minute summer	31.549	8.338	2 year 360 minute winter	9.436	3.735

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Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
2 year 480 minute summer	11.436	3.022
2 year 480 minute winter	7.598	3.022
2 year 600 minute summer	9.363	2.561
2 year 600 minute winter	6.398	2.561
2 year 720 minute summer	8.339	2.235
2 year 720 minute winter	5.605	2.235
2 year 960 minute summer	6.846	1.803
2 year 960 minute winter	4.535	1.803
2 year 1440 minute summer	4.967	1.331
2 year 1440 minute winter	3.338	1.331
30 year 15 minute summer	226.195	64.005
30 year 15 minute winter	158.733	64.005
30 year 30 minute summer	147.452	41.724
30 year 30 minute winter	103.475	41.724
30 year 60 minute summer	98.615	26.061
30 year 60 minute winter	65.517	26.061
30 year 120 minute summer	59.946	15.842
30 year 120 minute winter	39.827	15.842
30 year 180 minute summer	45.598	11.734
30 year 180 minute winter	29.640	11.734
30 year 240 minute summer	35.759	9.450
30 year 240 minute winter	23.758	9.450
30 year 360 minute summer	26.939	6.932
30 year 360 minute winter	17.511	6.932
30 year 480 minute summer	20.981	5.545
30 year 480 minute winter	13.940	5.545
30 year 600 minute summer	17.039	4.661
30 year 600 minute winter	11.642	4.661
30 year 720 minute summer	15.093	4.045
30 year 720 minute winter	10.143	4.045
30 year 960 minute summer	12.278	3.233
30 year 960 minute winter	8.133	3.233
30 year 1440 minute summer	8.788	2.355
30 year 1440 minute winter	5.906	2.355
100 year +40% CC 15 minute summer	408.473	115.584
100 year +40% CC 15 minute winter	286.647	115.584
100 year +40% CC 30 minute summer	268.775	76.054
100 year +40% CC 30 minute winter	188.614	76.054
100 year +40% CC 60 minute summer	180.954	47.821
100 year +40% CC 60 minute winter	120.222	47.821
100 year +40% CC 120 minute summer	110.370	29.168
100 year +40% CC 120 minute winter	73.327	29.168
100 year +40% CC 180 minute summer	83.953	21.604
100 year +40% CC 180 minute winter	54.572	21.604
100 year +40% CC 240 minute summer	65.765	17.380
100 year +40% CC 240 minute winter	43.693	17.380
100 year +40% CC 360 minute summer	49.370	12.705
100 year +40% CC 360 minute winter	32.092	12.705
100 year +40% CC 480 minute summer	38.291	10.119
100 year +40% CC 480 minute winter	25.439	10.119
100 year +40% CC 600 minute summer	30.992	8.477
100 year +40% CC 600 minute winter	21.176	8.477
100 year +40% CC 720 minute summer	27.387	7.340
100 year +40% CC 720 minute winter	18.406	7.340
100 year +40% CC 960 minute summer	22.191	5.844
100 year +40% CC 960 minute winter	14.700	5.844
100 year +40% CC 1440 minute summer	15.789	4.232
100 year +40% CC 1440 minute winter	10.611	4.232

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Results for 2 year Critical Storm Duration. Lowest mass balance: 96.27%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S1A	10	25.992	0.042	3.1	0.0118	0.0000	OK
15 minute winter	S1B	11	25.707	0.057	4.5	0.0162	0.0000	OK
15 minute winter	S1	11	25.599	0.049	4.5	0.0139	0.0000	OK
15 minute winter	S2	10	25.568	0.018	0.8	0.0052	0.0000	OK
15 minute winter	S3	11	25.380	0.090	12.7	0.0254	0.0000	OK
15 minute winter	S4	10	25.518	0.018	0.8	0.0050	0.0000	OK
15 minute winter	S5	11	25.356	0.146	13.2	0.0413	0.0000	OK
15 minute winter	S6	11	25.352	0.192	13.3	0.0544	0.0000	OK
15 minute winter	S7	10	25.470	0.030	2.3	0.0085	0.0000	OK
15 minute winter	S8	11	25.347	0.217	15.6	0.2450	0.0000	OK
15 minute winter	S9	10	25.640	0.020	0.8	0.0055	0.0000	OK
15 minute winter	S10	11	25.330	0.280	23.0	0.3164	0.0000	SURCHARGED
15 minute winter	S11	10	25.742	0.022	0.8	0.0062	0.0000	OK
15 minute winter	S12	11	25.294	0.319	23.7	0.3604	0.0000	SURCHARGED
15 minute winter	S13	11	25.480	0.030	1.5	0.0086	0.0000	OK
15 minute winter	S14	11	25.265	0.410	24.9	0.4634	0.0000	SURCHARGED
15 minute summer	OUTFALL	1	25.260	0.415	23.8	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S1A	1.000	S1B	3.0	0.604	0.170	0.1498	
15 minute winter	S1B	1.001	S1	4.5	0.808	0.284	0.0696	
15 minute winter	S1	1.002	S3	4.5	0.917	0.218	0.0672	
15 minute winter	S2	2.000	S3	0.8	0.491	0.031	0.0270	
15 minute winter	S3	1.003	S5	12.5	0.759	0.319	0.2942	
15 minute winter	S4	3.000	S5	0.8	0.514	0.029	0.0721	
15 minute winter	S5	1.004	S6	13.3	0.697	0.341	0.2785	
15 minute winter	S6	1.005	S8	13.4	0.664	0.330	0.1833	
15 minute winter	S7	4.000	S8	2.3	0.797	0.089	0.1277	
15 minute winter	S8	1.006	S10	15.7	0.545	0.414	0.5911	
15 minute winter	S9	5.000	S10	0.7	0.456	0.015	0.0195	
15 minute winter	S10	1.007	S12	23.0	0.634	0.594	0.5356	
15 minute winter	S11	6.000	S12	0.7	0.483	0.044	0.0166	
15 minute winter	S12	1.008	S14	23.4	0.588	0.605	0.3568	
15 minute winter	S13	7.000	S14	1.5	0.598	0.086	0.0259	
15 minute winter	S14	1.009	OUTFALL	24.8	0.353	0.363	0.1839	9.0

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Results for 30 year Critical Storm Duration. Lowest mass balance: 99.01%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S1A	10	26.008	0.058	5.8	0.0165	0.0000	OK
15 minute winter	S1B	10	25.732	0.082	8.6	0.0232	0.0000	OK
15 minute winter	S1	12	25.617	0.067	8.4	0.0189	0.0000	OK
15 minute winter	S2	12	25.597	0.047	1.5	0.0132	0.0000	OK
15 minute winter	S3	12	25.596	0.306	24.2	0.0867	0.0000	SURCHARGED
15 minute winter	S4	12	25.566	0.066	1.5	0.0188	0.0000	OK
15 minute winter	S5	12	25.565	0.355	23.3	0.1003	0.0000	SURCHARGED
15 minute winter	S6	12	25.538	0.378	22.8	0.1069	0.0000	SURCHARGED
15 minute winter	S7	12	25.525	0.085	4.4	0.0239	0.0000	OK
15 minute winter	S8	12	25.519	0.389	26.7	0.4401	0.0000	SURCHARGED
15 minute winter	S9	10	25.647	0.027	1.5	0.0076	0.0000	OK
15 minute winter	S10	11	25.466	0.416	39.8	0.4708	0.0000	SURCHARGED
15 minute winter	S11	10	25.750	0.030	1.5	0.0086	0.0000	OK
15 minute winter	S12	11	25.359	0.384	40.9	0.4341	0.0000	SURCHARGED
15 minute winter	S13	10	25.492	0.042	2.9	0.0120	0.0000	OK
15 minute winter	S14	11	25.274	0.419	43.5	0.4734	0.0000	SURCHARGED
15 minute summer	OUTFALL	1	25.260	0.415	42.2	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S1A	1.000	S1B	5.7	0.708	0.320	0.2400	
15 minute winter	S1B	1.001	S1	8.4	0.971	0.532	0.1085	
15 minute winter	S1	1.002	S3	8.5	0.932	0.411	0.1729	
15 minute winter	S2	2.000	S3	1.8	0.493	0.074	0.1222	
15 minute winter	S3	1.003	S5	21.9	0.776	0.559	0.5566	
15 minute winter	S4	3.000	S5	2.3	0.513	0.089	0.1391	
15 minute winter	S5	1.004	S6	22.8	0.735	0.584	0.3495	
15 minute winter	S6	1.005	S8	22.8	0.643	0.560	0.1934	
15 minute winter	S7	4.000	S8	4.3	0.789	0.168	0.1765	
15 minute winter	S8	1.006	S10	27.5	0.691	0.725	0.5949	
15 minute winter	S9	5.000	S10	1.5	0.554	0.029	0.0313	
15 minute winter	S10	1.007	S12	39.6	0.995	1.023	0.5356	
15 minute winter	S11	6.000	S12	1.5	0.586	0.085	0.0266	
15 minute winter	S12	1.008	S14	41.0	1.031	1.060	0.3568	
15 minute winter	S13	7.000	S14	2.8	0.713	0.162	0.0411	
15 minute winter	S14	1.009	OUTFALL	43.1	0.613	0.631	0.1839	20.5

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Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.03%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S1A	12	26.230	0.280	10.5	0.0792	0.0000	SURCHARGED
15 minute winter	S1B	12	26.168	0.518	14.9	0.1465	0.0000	FLOOD RISK
15 minute winter	S1	12	26.106	0.556	11.4	0.1572	0.0000	FLOOD RISK
15 minute winter	S2	12	26.046	0.496	4.4	0.1404	0.0000	FLOOD RISK
15 minute winter	S3	12	26.043	0.753	33.9	0.2132	0.0000	FLOOD RISK
15 minute winter	S4	12	25.972	0.472	3.6	0.1337	0.0000	FLOOD RISK
15 minute winter	S5	12	25.970	0.760	34.0	0.2150	0.0000	FLOOD RISK
15 minute winter	S6	12	25.913	0.753	33.7	0.2130	0.0000	FLOOD RISK
15 minute winter	S7	12	25.892	0.452	7.9	0.1280	0.0000	FLOOD RISK
15 minute winter	S8	12	25.874	0.744	39.8	0.8410	0.0000	FLOOD RISK
15 minute winter	S9	12	25.761	0.141	2.7	0.0398	0.0000	OK
15 minute winter	S10	12	25.760	0.710	61.6	0.8026	0.0000	FLOOD RISK
15 minute winter	S11	10	25.761	0.041	2.6	0.0115	0.0000	OK
15 minute winter	S12	12	25.501	0.526	63.7	0.5946	0.0000	SURCHARGED
15 minute winter	S13	10	25.509	0.059	5.3	0.0168	0.0000	OK
15 minute winter	S14	12	25.294	0.439	68.1	0.4962	0.0000	SURCHARGED
15 minute summer	OUTFALL	1	25.260	0.415	65.1	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S1A	1.000	S1B	9.6	0.774	0.540	0.5233	
15 minute winter	S1B	1.001	S1	11.4	1.008	0.716	0.2194	
15 minute winter	S1	1.002	S3	13.1	0.993	0.636	0.2415	
15 minute winter	S2	2.000	S3	3.2	0.511	0.129	0.1932	
15 minute winter	S3	1.003	S5	32.7	0.822	0.834	0.5566	
15 minute winter	S4	3.000	S5	2.8	0.536	0.107	0.1950	
15 minute winter	S5	1.004	S6	33.7	0.847	0.862	0.3495	
15 minute winter	S6	1.005	S8	34.4	0.866	0.846	0.1934	
15 minute winter	S7	4.000	S8	6.1	0.836	0.238	0.2233	
15 minute winter	S8	1.006	S10	40.7	1.023	1.073	0.5949	
15 minute winter	S9	5.000	S10	3.6	0.594	0.072	0.3917	
15 minute winter	S10	1.007	S12	61.5	1.546	1.590	0.5356	
15 minute winter	S11	6.000	S12	2.6	0.687	0.149	0.0399	
15 minute winter	S12	1.008	S14	63.7	1.603	1.648	0.3568	
15 minute winter	S13	7.000	S14	5.2	0.839	0.299	0.0643	
15 minute winter	S14	1.009	OUTFALL	67.8	0.963	0.991	0.1839	39.4

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