Marston & Grundy LLP
Consulting Engineers

DRAINAGE MAINTENANCE STRATEGY

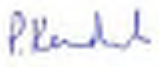
PROPOSED WOMEN'S TRAINING FACILITY

At

550 ASHTON NEW ROAD, MANCHESTER

For

Quality Management

Job No	13636		
Project	MCFC, Women's First Team		
Location	MCFC, Ashton New Road, Manchester, M11 2GW.		
Title	Drainage Maintenance Strategy		
Document Ref	MCW-MaG-ZZ-XX-RP-C-002	**Issue / Revision**	03
Date	17th November 2025		
Prepared by	Paul Kendrick BEng(hons) CEng MIStructE	Signature (for file)	
Checked by	Mark B Donohue BEng(hons) CEng MIStructE	Signature (for file)	

Revision History

Rev	Date	Issue / Purpose/ Comment	Prepared	Checked
01	17/11/25	First Issue	PK	MD
02	18/12/25	Appendix C & D with drainage verification added	PK	MD
02	20/02/26	More photos added to Appendix C, Final construction drainage layout included	PK	MD

Maintenance Strategy

General

This document has been prepared to provide a maintenance methodology to the surface water drainage elements proposed for this development. If any discrepancies from manufactures guidance are encountered, the proprietary system guidance should be adopted.

The surface water below ground drainage system is composed of linear drainage channels, gullies and a geocellular attenuation tank with a connecting pipe network, manholes & inspection chambers. The drainage is to be installed in accordance with drawing MCW-MaG-ZZ-XX-DR-C-200 for the proposed drainage layout. Refer to Appendix C and D for verification of the installed drainage.

Any man-entry into the system and silt removal should be carried out by trained personnel with adequate personal protective equipment. Approved safety procedures must be followed in accordance with the Health and Safety Act.

This drainage system's maintenance will be the responsibility of the client or by an appointed maintenance company and as such an appropriated maintenance regime should be implemented.

Drainage Design Philosophy

The proposed surface water drainage system detailed on Marston & Grundy drawings has been designed to drain by gravity and discharge at a restricted rate of 5l/s into the combined sewer within Ashton New Road, via an existing connection.

The site levels and storm water attenuation system, comprising a below ground cellular storage tank, has been designed to accommodate all storm events up to and including 1 in 100 year plus 45% climate change storm event. An allowance for a future development covering a further hardstanding area of 700m² (net) has been made in the sizing of the tank.

Catchpits have been installed upstream of the geocellular attenuation tank to minimise sediment build up in the tank itself. A flow control device located downstream from the attenuation tank, limits the discharge to the agreed rate of 5l/s.

The proposed foul water drainage system has been designed to drain by gravity and discharge into the existing combined sewer with Ashton New Road.

The drainage system for the new development has been designed adequately with suitable gradients, silt pits, catchpits and interceptors and access points to reduce the requirement for maintenance other than periodic inspections, unless a blockage occurs. On completion of the main drainage installation during the development works a full CCTV drainage survey will be completed to confirm that the as built drainage installation is fully operational and in good working order.

Health, Safety and Welfare

All those responsible for maintenance should take appropriate health, safety and welfare precautions for all activities including lone working, if relevant, and risk assessments should always be undertaken. The site's infrastructure Health and Safety File should be consulted before carrying out any works either inside or outside of the development's boundary and information regarding the location of existing utilities passed on to operatives.

The requirements of the Health and Safety at Work Act 1974 and The Construction (Design and Management) Regulations 2015 should be adhered to and any residual risks identified in the Health and Safety File should be managed and information passed on to maintenance operatives through task specific risk assessments.

Operation and Maintenance

There are three types of maintenance activities associated with surface water drainage systems. The SuDS Manual, CIRIA C753, defines these as:

> Regular Maintenance – '*basic tasks undertaken on a frequent and predictable schedule' including vegetation management, litter and debris removal, and inspections*.'

> Occasional Maintenance – *'tasks that are likely to be required periodically, but on a much less frequent and predictable basis than the routine tasks (sediment removal is an example.'*

> Remedial Maintenance – *'intermittent tasks that may be required to rectify faults associated with the system, although the likelihood of faults can be minimised by good design. Where remedial work is found to be necessary, it is likely to be due to site-specific characteristics or unforeseen events, and as such timings are difficult to predict.*'

Specific maintenance needs should be monitored and maintenance schedules adjusted to suit the location and condition of the drainage feature in question.

Operation and Maintenance Activity	SuDS Component		
	Piped Network / Inspection Chambers	**Attenuation Tank**	**Flow Controls**
Regular Maintenance			
Inspection	■	■	■
Litter and debris removal	■	■	■
Grass cutting		■	
Weed and invasive plant control		□	
Shrub management (including pruning)		□	□
Shoreline vegetation management		□	
Aquatic vegetation management		□	
Occasional Maintenance			
Sediment management[1]	■	■	■
Vegetation replacement		□	□
Remedial Maintenance			
Structure rehabilitation / repair	□	□	□
Infiltration surface reconditioning			

■ Will be required □ May be required

[1] Sediment should be collected and managed in pre-treatment systems, upstream of the main device.

Extract from The SuDS Manual Table 32.1: Typical key SuDS components operation and maintenance activities

Piped Networks, Inspection, Manhole and Catchpit Chambers

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 Maintenance Manager prior to any access.

Pipes are proprietary products, and the materials can vary across the site and as such where used the manufacture's recommendations should be followed.

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-cleaning where possible for smaller diameter pipes, and for larger diameters the risk is reduced due to the overall pipe size.

Access for maintenance is provided through access chambers and manholes.

Regular inspection and maintenance are 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.

Maintenance Schedule	Required Action	Typical Frequency
Regular Maintenance	Inspect and identify any features that are not operating correctly. If required, take remedial action.	Monthly for three months, then six monthly
	Debris removal from catchment surface / gratings (where may cause risks to performance).	Monthly (and after large storms)
	Remove sediment from trapped sumps, manholes and catchpits.	Annually or as required
Remedial Maintenance	Repair / rehabilitation of gratings, inlets and outlets.	As required
Monitoring	Inspect / check all gratings, trapped sumps, manholes and catchpits to ensure that they are in good condition and operating as designed.	Annually and after large storm events
Structure Rehabilitation / Repair	Regular Maintenance and Monitoring to identify if repair and / or replacement of features or pipework is required.	As required

Operation and Maintenance Requirements of Piped Networks and Inspection Chambers

Attenuation Tanks

The attenuation tank is currently specified as a geocellular unit, which are wrapped in an impermeable membrane to allow the water to attenuate within the crates.

The geocellular units and membrane are proprietary products and therefore manufacturer's recommendations should also be taken into consideration.

Access for maintenance should be provided by an access shaft located on the tank and from the manhole chambers downstream of the tank.

Regular inspection and maintenance are important for the effective operation of attenuation tanks as designed. As the feature is buried, a regular inspection regime is very important to ensure the correction functionality of the surface water drainage network.

Maintenance Schedule	Required Action	Frequency
Monitoring (to be undertaken more regularly within the first year of operation and adjusted as required).	Inspect/check all inlets, outlets, vents and overflows to ensure that they are in good condition and operating as designed. Survey inside of the tank for sediment build-up and remove if necessary.	Annually
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
	For systems where rainfall infiltrates into the tank from above, check the surface of filter for blockages by sediment, algae or other matter; remove and replace surface infiltration medium as required.	Annually.

	Remove sediment from pre- treatment structures.	Annually (or as required after heavy rainfall events)
Remedial Actions	Repair/rehabilitation of inlets, outlets and overflows.	As required.

Operation and Maintenance Requirements of Piped Networks and Inspection Chambers

Flow Control Units

The flow control units are intended for flood control and flow restriction.

The flow control is specified as Hydro-brake and is a proprietary product; therefore, manufacturer's recommendations should also be taken into consideration.

Access for maintenance has been provided by locating within manhole chambers.

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	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)
Remedial Actions	Repair/rehabilitation of inlets.	As required.

Operation and Maintenance Requirements for Flow Controls

Appendix A – Drainage Layout

ASHTON NEW ROAD

Overflow

FOUL WATER DRAINAGE STRATEGY

FOUL WATER GENERATED BY THE NEW DEVELOPMENT WILL CONNECT TO THE COMBINED PUBLIC SEWER VIA AN EXISTING PRIVATE CONNECTION.

SURFACE WATER DRAINAGE

CONSIDERATION HAS BEEN GIVEN TO THE HIERARCHY OF DRAINAGE OPTIONS FOR THE SITE AS FOLLOWS:

- DISCHARGE INTO GROUND - ADOPTED FOR SOFT LANDSCAPING AND SMALL AREAS OF HARD LANDSCAPING, BUT UNDERLYING CLAY SUBSTRATA WOULD MAKE INFILTRATION BASED OPTIONS FOR LARGER AREAS UNSUITABLE.
- DISCHARGE TO SURFACE WATER BODY - CRT HAVE ADVISED THAT THERE IS NO CAPACITY IN THE ADJACENT ASHTON CANAL. NO OTHER WATERCOURSE IN CLOSE PROXIMITY.
- DISCHARGE TO SURFACE WATER SEWER, HIGHWAY DRAIN OR OTHER DRAINAGE SYSTEM - NO SURFACE WATER SEWER IN CLOSE PROXIMITY.
- DISCHARGE TO COMBINED WATER SEWER - CONNECT TO EXISTING COMBINED WATER SEWER VIA THE EXISTING PRIVATE CONNECTION AT RESTRICTED RATES.

THE PROPOSAL IS TO DISCHARGE SURFACE WATER FROM THE NEW DEVELOPMENT AT A RESTRICTED OUTFLOW OF 5l/s TO THE ADJACENT COMBINED SEWER VIA AN EXISTING PRIVATE DRAIN. ONLINE GEOCELLULAR TANKS TO RETAIN THE PEAK FLOWS.

SUDS TO ENCOMPASS:

- PERMEABLE SURFACING
- ATTENUATION TANK.
- FLOW CONTROL

EXISTING PRIVATE MANHOLE. CCTV SURVEY REF: MH3 CL:66.54 I.L: 63.75

EX MH CL:66.54 IL:63.76

EX MH CL:66.74 IL:65.80

UU MH4403 CL: 65.670 (TAKEN FROM RECORDS)

EXISTING CONNECTION TO UU COMBINED SEWER IN ASHTON NEW ROAD

NEW CONNECTION TO EXISTING PRIVATE MANHOLE, SUBJECT TO APPROVAL FROM UU VIA A S106 APPLICATION. CCTV SURVEY REF: MH2 CL:66.57 I.L: 63.83

EX MH CL:66.68 IL:64.01

EX MH CL:66.57 IL:63.85

EXISTING BURIED MANHOLE TO BE UNCOVERED FOR FUTURE MAINTENANCE. CCTV SURVEY REF: MH4 CL: TBC I.L: 5.92m

EXISTING COMBINED MANHOLE RETAINED FOR FUTURE USE. CCTV SURVEY REF: MH1 CL:66.68 I.L: 63.98

225Ø (1.001)

GAS

DRAINAGE CHANNEL

2250 STUB CONNECTION FOR FUTURE PHASE 2 & 3

FFL: 67.20

SINKS TO DRAIN ABOVE GROUND TO EXTERNAL WALL

External SVP rodding point.

EXG ROOF DRAINAGE TO BE DIVERTED TO EXTERNAL WALL ABOVE GROUND

MH SW04 CL: 67.175 IL: 65.80 1200Ø

MH FW01 CL: 67.000 IL: 66.385 450Ø

MH FW02 CL: 67.175 IL: 66.210

MH SW01a CL: 67.150 IL: 66.400 450Ø

All FW pipes to plant room gullies to be 150Ø

MH SW05 CL: 67.175 IL: 65.525 1200Ø

MH FW11 CL: 67.175 IL: 65.015 450Ø

MH FW03 CL: 67.175 IL: 65.930 450Ø

MH SW01b CL: 67.150 IL: 66.200 450Ø

DASHED RED LINE INDICATES 1.5m NO BUILD ZONE FROM GAS MAIN TO ANY NEW DRAINAGE MANHOLES OR INSPECTION CHAMBERS. APPLIES TO BOTH SIDES OF GAS MAIN.

MH FW04 CL: 67.175 IL: 65.780

MH FW05 CL: 67.175 IL: 65.740

MH SW01 CL: 67.150 IL: 66.030 450Ø

MH FW06 CL: 67.00 IL: 65.620

FFL: 67.22

MH FW12 CL: 67.175 IL: 64.800 450Ø

MH SW06 CL: 66.850 IL: 64.750 1200Ø

MH FW13 CL: 67.100 IL: 64.560 1200Ø

MH FW07 CL: 67.175 IL: 65.485 450Ø

MH SW02 CL: 67.150 IL: 65.800 450Ø

MH FW10 CL: 67.175 IL: 64.990 450Ø

MH FW08 CL: 67.175 IL: 65.275 450Ø

MH FW09 CL: 67.175 IL: 65.160 450Ø

MH SW03 CL: 67.150 IL: 65.390 450Ø

NEW DRAINS TO BE CONSTRUCTED WITHIN DIVERTED GAS EASEMENT, AS AGREED WITH CADENT VIA EMAIL ON 17.05.24

MH CW01 CL: 66.60 IL: 64.10 1200Ø

NON RETURN VALVE

MH SW09 CL: 66.60 IL: 64.25 (FLOW CONTROL CHAMBER 1500Ø) FLOW CONTROL HYDRO-BRAKE PLACED IN CHAMBER TO LIMIT OUTFLOWS TO 5L/S WITH DESIGN HEAD OF 1.5m. CTL-SHE-0098-5000-1500-5000

LIVE BELOW GROUND GAS PIPE

REUSE EXISTING DRAINAGE CHANNEL IF POSSIBLE OR REPLACE WITH SAME SPEC.

ON-LINE GEOCELLULAR STORAGE TANK. SIZE TO RETAIN 114m³ (19m x 4m x 1.5m HIGH) FOR THE 100YR +45% CC EVENT (THIS INCLUDES ALLOWANCE FOR FUTURE 700m² NET IMPERMEABLE AREA). DESIGNED BY MANUFACTURER TO SUIT GROUND CONDITIONS AND LOADING. MINIMUM COVER DEPTH TO BE APPLIED TO SUIT LOADINGS. BED LEVEL: 64.30. MIN DEPTH OF COVER: 0.9m

EXISTING DRAINAGE CHANNEL TO BE MOVED

Pipe IL: 64.375

MH SW07 CL: 66.10 IL: 64.450 1200Ø CATCHPIT

MH FW14 CL: 66.40 IL: 64.350 450Ø

MH SW08 CL: 66.20 IL: 64.85 1200Ø CATCHPIT

ALTHOUGH EXISTING CAR PARK LOCATED WITHIN THE RED LINE BOUNDARY, THE RUNOFF WILL CONTINUE TO DRAIN TO THE WIDER CAMPUS DRAINAGE NETWORK

LOCAL ADJUSTMENT OF EXISTING TRAP AND TAIL TO CONNECT RELOCATED CHANNEL AND TO AVOID EXISTING LIGHTING COLUMN AND SERVICES.

Aco Multidrain M100D 10.0 constant depth channel with silt bucket and side outlet. Grating to match existing.

RG2 RG3 RG4 RG5

EXISTING DRAINAGE CHANNEL

- LANDSCAPE LAYOUT TAKEN FROM SAVILLE LANDSCAPE DESIGN DWG 407-71_Rev E.
- RWP LOCATIONS TAKEN FROM BOWKER SADLER ARCHITECTS DWG 22-053-2018_Rev B.
- POP UP LOCATIONS TAKEN FROM SVM DWG 230565-SVM-ZZ-00-DR-M-1400_Rev T1.

NOTES

This drawing is copyright and owned by Marston and Grundy LLP, and is for use on this site only unless contractually stated otherwise.

DO NOT SCALE this drawing (printed or electronic versions). Contractors must check all dimensions from site.

All other design team elements, where indicated, have been imported from the consultant's drawings/model and reference should be made to the individual consultant's drawings for exact setting out, size and type of component.

KEY

- APPLICATION BOUNDARY
- EXISTING PUBLIC COMBINED SEWER
- EXISTING PRIVATE COMBINED WATER DRAINAGE
- EXISTING PRIVATE SURFACE WATER DRAINAGE
- EXISTING PRIVATE DRAINAGE TO BE ABANDONED
- PROPOSED FOUL WATER DRAINAGE
- PROPOSED SURFACE WATER DRAINAGE
- PROPOSED SURFACE WATER DRAINAGE CHANNEL - ACO MULTIDRAIN MD100D 0.00 OR SIMILAR APPROVED.
- PROPOSED COMBINED WATER DRAINAGE
- PROPOSED PERMEABLE SURFACING
- PROPOSED GAS DIVERSION ROUTE AND EASEMENT.
- PROPOSED OVERLAND FLOW ROUTES
- 1.5m NO BUILD ZONE FOR DRAINAGE MANHOLES OR INSPECTION CHAMBERS

PROPOSED GAS PIPE DIVERSION ROUTE AND EASEMENT SHOWN INDICATIVE ONLY, FINAL SETTING OUT BY OTHERS. EMAIL CONFIRMATION RECEIVED (17.05.24) FROM GAS SUPPLIER (CADENT) THAT PROPOSED DRAINAGE CAN BE LOCATED WITHIN EASEMENT ZONE

LOCATIONS, DEPTH AND SIZE OF ALL EXISTING DRAINAGE TBC PRIOR TO WORKS COMMENCING

ALL PIPEWORK TO BE 100Ø UNLESS NOTED OTHERWISE

PROVIDE PROPRIETARY ROOT BARRIER PROTECTION FOR ALL DRAINAGE BELOW SOFT LANDSCAPING AREAS.

NOTES

1. Refer to dwgs 13636-MCW-MaG-ZZ-XX-DR-C-201-203 for standard drainage details and notes.
2. Refer to dwgs 13636-MCW-MaG-ZZ-XX-DR-C-204-206 for manhole schedules.

Rev	Description	By	Date	Chk'd
FC	FINAL CONSTRUCTION ISSUE	AMT	29.01.26	PK
C6	UPDATED INLINE WITH LATEST POP UP POSITIONS	AMT	03.04.25	PK
C5	PPIC COVER LEVELS CLOSE TO BUILDING UPDATED. CHANNEL ADDED TO ENTRANCE. IL TO FW13 UPDATED.	AMT	20.03.25	PK
C4	UPDATED TO SUIT AS BUILT GAS PIPE. AWAITING FINAL POP UP LOCATIONS.	AMT	07.03.25	PK
C3	UPDATED TO SUIT VE CHANGES	AMT	10.10.24	PK
C2	SEWER ANNOTATED ON KEY	AMT	21.06.24	PK
C1	CONSTRUCTION ISSUE	AMT	10.05.24	PK

Marston & Grundy LLP
Consulting Engineers
Priory House, Ellesmere Ave
Marple, Stockport, Cheshire, SK6 7AN
Telephone: *0161 427 7231*
Email: *mail@marstonandgrundy.com*

Client
MCFC

Project
WOMEN'S FIRST TEAM

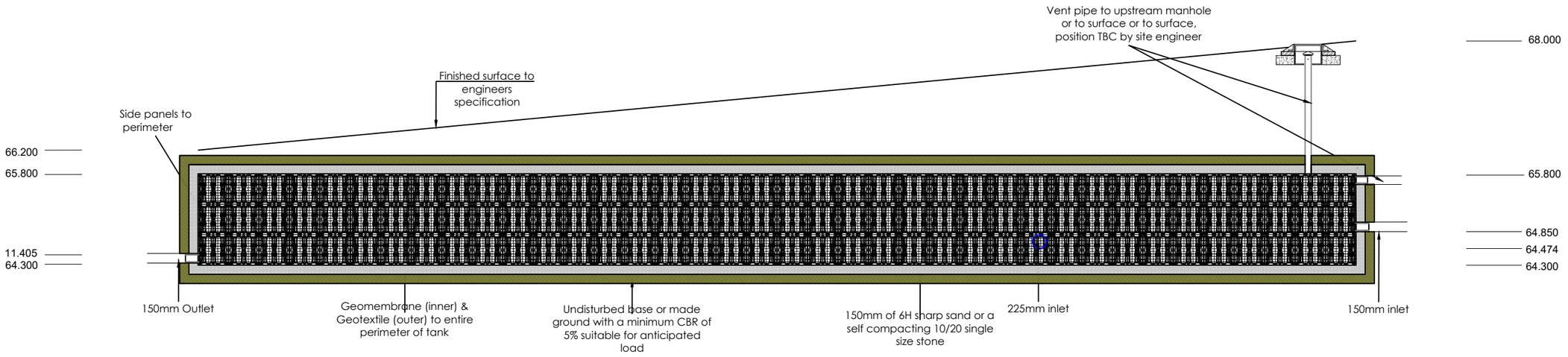
Drawing
BELOW GROUND DRAINAGE STRATEGY PLAN

Purpose of Issue
CONSTRUCTION

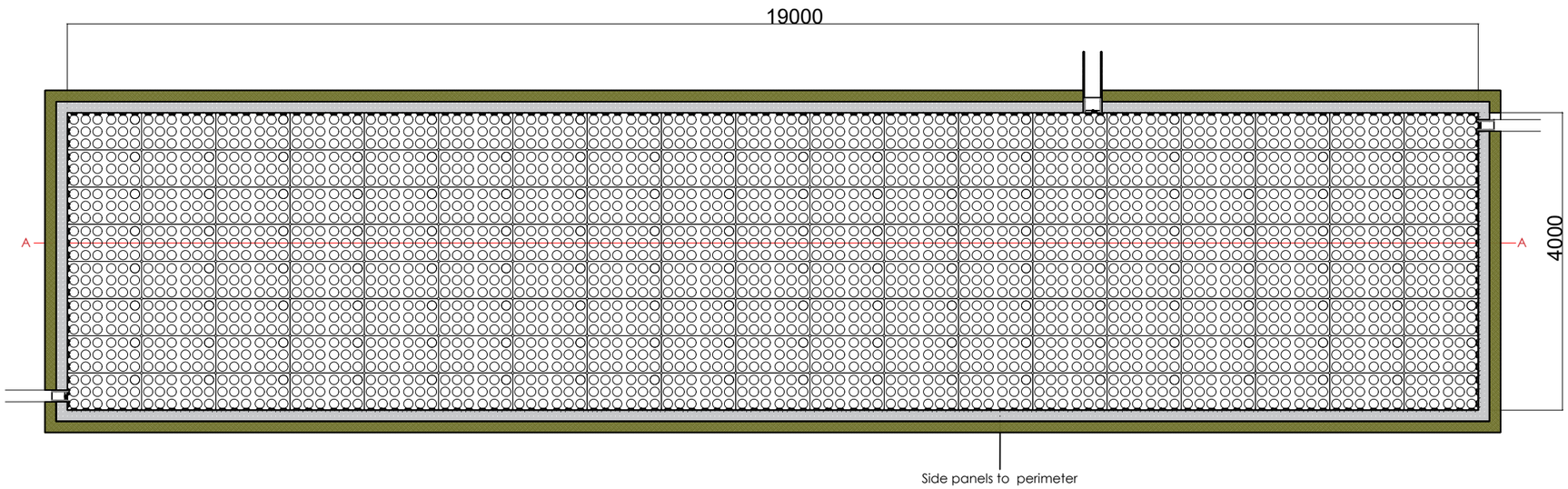
Project No.	Scale @ A1	Date	Drawn	Checked
13636	1:200	Nov '23	PG	PJK

Drawing Identifier (BS1192 Compliant)
project origin zone level type role number revision
MCW-MaG-ZZ-XX-DR-C-200 FC

Appendix B – Proprietary Product Information



SECTION A-A



PLAN VIEW

Project: Manchester City Womens	
Title: On Line Attenuation	
System:	
Project-No: 0000-00	Drawing-No:
Project state: Draft	Date: 18/12/24
Scale: NTS	Revision: 0
Drawn by: GM	Checked by: GM

Polycon Water Management
Units 4 – 8,Widnes Business Park,
Foundry Lane, Widnes, Cheshire, WA8 8UB

Tel.: 0151 422 9747

THIS DRAWING IS THE PROPERTY OF POLYCON WATER MANAGEMENT AND IS NOT TO BE COPIED IN PART OR WHOLE OR SHARED WITH THIRD PARTIES WITHOUT OUR WRITTEN PERMISSION.

polycon
water management

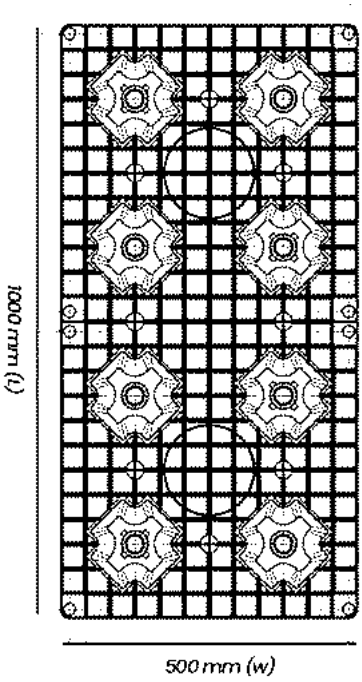
STORMGUARD

TECHNICAL SPECIFICATION BROCHURE

Technical Data

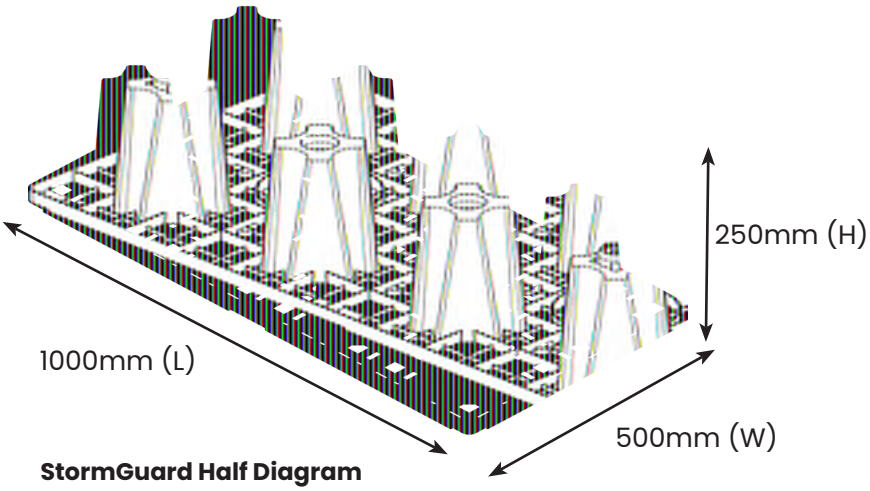
STORMGUARD

Material	Polypropylene
Colour	Black
Dimensions	1000 x 500 x 500mm
Height	250mm (500mm when assembled)
Weight	4.45kg
Volume (per crate)	0.25m³
Net volume (per crate)	0.24m³
Void ratio	96%
Short term vertical compression	466.7kN/m²
Short term lateral compression	80kN/m²
Maximum Installation depth	4.2m

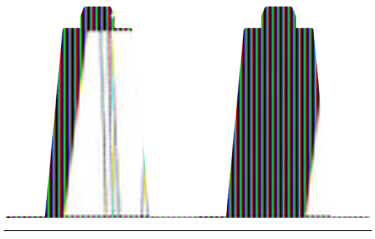


PACKAGING & TRANSPORT

Product code	01
Packaging dimensions	1000 x 1000 x 2000mm
Pieces per pallet	76 pieces/9.5m³
Package gross weight (pallet included)	455 kg



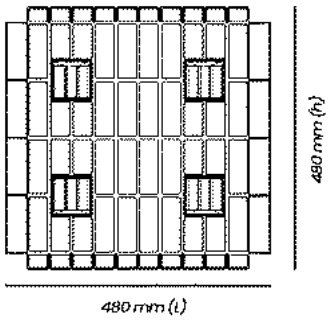
StormGuard Half Diagram



StormGuard Half Front View

SIDE WALL PIECES

Material	Polypropylene
Colour	Black
Dimensions	480 x 480mm
Height	30mm
Weight	1.1kg



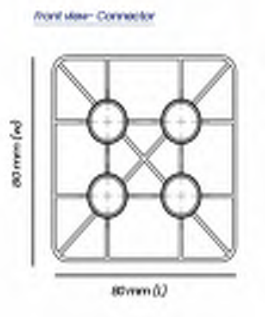
Side Panel

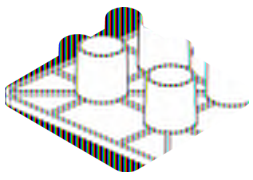
PACKAGING & TRANSPORT

Product code	02
Packaging dimensions	980 x 980 x 2000mm
Pieces per pallet	240 pieces
Package Gross weight (pallet included)	335 kg

CONNECTOR JOINT – SINGLE

Material	Polypropylene
Dimensions	80 x 80mm
Height	30mm
Weight	30g
Product code	03
Pieces per Bag	300 Pieces

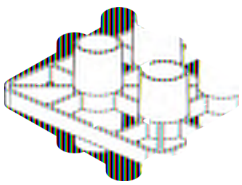




Single Connector Diagram

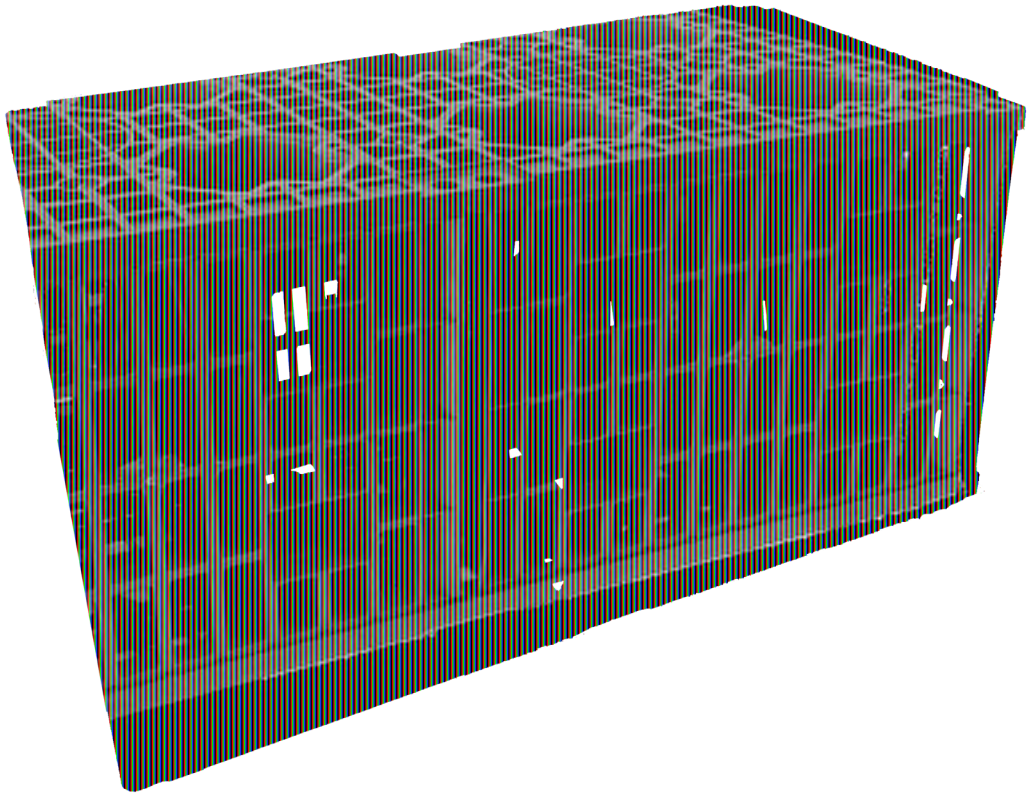
CONNECTOR JOINT – DOUBLE

Material	Polypropylene
Dimensions	80 x 80mm
Height	50mm
Weight	30g
Product code	04
Pieces per Bag	150 Pieces



Double Connector Diagram

STORMGUARD



0151 422 9747

www.polycon.co.uk

polycon water management

Units 4 – 8
Widnes Business Park
Foundry Lane
Widnes, Cheshire
WA8 8UB

Flotex

TNW3000 Non Woven Geotextile Data Sheet

Description:

A UV stabilized, needle punched, nonwoven geotextile produced from 100% polypropylene staple fibers.

Uses & Functions:

Used in many civil engineering and building applications. Designed to offer filtration and separation functions.

Applications:

- **As a general purpose separator for use under site access roads and areas of hardstanding.**
- **As a separation and strengthening layer under new roadways, car parks, industrial units etc.**
- **As a filter surround in the construction of a French drain or granular drainage blanket.**
- **For separation: to prevent the intermixing of dissimilar soil layers.**
- **For filtration: to allow the passage of fluids whilst preventing the uncontrolled passage of soil.**

Polycon Surface Water Drainage

Widnes Business Park
Foundry Lane
Widnes
Cheshire WA8 8UB

Flotex

TNW3000 Non Woven Geotextile Data Sheet

PROPERTY	STANDARD	UNITS	VALUE	TNW3000
MECHANICAL				
TENSILE STRENGTH (MC/CD)	EN 10319	kN/m	AVERAGE	25/25
TENSILE ELONGATION (MD/CD)	EN 10319	%	AVERAGE	65/65
RESISTANCE TO STATIC PUNCTURE	EN ISO 12236	N	AVERAGE	4300
DYNAMIC PERFORATION RESISTANCE	EN ISO 13433	mm	AVERAGE	13
HYDRAULIC				
CHARACTERISTICS OPENING SIZE (O_{90})	EN ISO 12956	µm	AVERAGE	70
WATER PERMEABILITY VI_{H50}	EN ISO 11058	mm/sec	AVERAGE	65
WATER FLOW RATE	EN ISO 11058	l/(m²-sec)	AVERAGE	65
WATER FLOW RATE CAPACITY IN THE PLANE (MD/CD) HG 1.0 AT 20kPa	EN ISO 12958	10^{-4}/(m-sec)	AVERAGE	16/16
HG 1.0 AT 100kPa				4.4/4.6
HG 1.0 AT 200kPa				4/3.1
ENDURANCE				
WEATHERING RESISTANCE	EN 12224	%RETAIN STRENGTH	AVERAGE	90
RESISTANCE TO LIQUIDS - ACIDS	EN 14030	%RETAIN STRENGTH	AVERAGE	90
RESISTANCE TO LIQUIDS - ALKALINE	EN 14030	%RETAIN STRENGTH	AVERAGE	90
OXIDATION RESISTANCE	EN ISO 13438	%RETAIN STRENGTH	AVERAGE	90
RESISTANCE TO SOIL BURIAL	EN 12225	%RETAIN STRENGTH	AVERAGE	90
PHYSICAL				
MASS/UNIT AREA	EN 9864	gr/m²	AVERAGE	300
THICKNESS (2kPa)	EN 9863-1	mm	AVERAGE	2.0
STANDARD PACKAGING				
ROLL WIDTH	MEASURED	m	TYPICAL	4.5
ROLL LENGTH	MEASURED	m	TYPICAL	100

1. TCS Geotechnics is a trading name of Technical Civils Solutions Ltd
2.TCS Geotechnics Ltd reserves the right to alter product specifications without prior notice.
3. It is the responsibility of all users to satisfy themselves that the above data is current.
4. The above figures are average values obtained from testing to current EN ISO standards
5. TCS Ltd cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
6. Installation details are available on request.
7. MD...Machine direction CD... Cross direction

Flotex

TNW3000 Non Woven Geotextile Data Sheet

PROPERTY	STANDARD	UNITS	VALUE	TNW3000
MECHANICAL				
TENSILE STRENGTH (MC/CD)	EN 10319	kN/m	AVERAGE	25/25
TENSILE ELONGATION (MD/CD)	EN 10319	%	AVERAGE	65/65
RESISTANCE TO STATIC PUNCTURE	EN ISO 12236	N	AVERAGE	4300
DYNAMIC PERFORATION RESISTANCE	EN ISO 13433	mm	AVERAGE	13
HYDRAULIC				
CHARACTERISTICS OPENING SIZE (O_{90})	EN ISO 12956	µm	AVERAGE	70
WATER PERMEABILITY VI_{H50}	EN ISO 11058	mm/sec	AVERAGE	65
WATER FLOW RATE	EN ISO 11058	l/(m²-sec)	AVERAGE	65
WATER FLOW RATE CAPACITY IN THE PLANE (MD/CD) HG 1.0 AT 20kPa	EN ISO 12958	10^{-4}/(m-sec)	AVERAGE	16/16
HG 1.0 AT 100kPa				4.4/4.6
HG 1.0 AT 200kPa				4/3.1
ENDURANCE				
WEATHERING RESISTANCE	EN 12224	%RETAIN STRENGTH	AVERAGE	90
RESISTANCE TO LIQUIDS - ACIDS	EN 14030	%RETAIN STRENGTH	AVERAGE	90
RESISTANCE TO LIQUIDS - ALKALINE	EN 14030	%RETAIN STRENGTH	AVERAGE	90
OXIDATION RESISTANCE	EN ISO 13438	%RETAIN STRENGTH	AVERAGE	90
RESISTANCE TO SOIL BURIAL	EN 12225	%RETAIN STRENGTH	AVERAGE	90
PHYSICAL				
MASS/UNIT AREA	EN 9864	gr/m²	AVERAGE	300
THICKNESS (2kPa)	EN 9863-1	mm	AVERAGE	2.0
STANDARD PACKAGING				
ROLL WIDTH	MEASURED	m	TYPICAL	5.8
ROLL LENGTH	MEASURED	m	TYPICAL	50

1. TCS Geotechnics is a trading name of Technical Civils Solutions Ltd
2.TCS Geotechnics Ltd reserves the right to alter product specifications without prior notice.
3. It is the responsibility of all users to satisfy themselves that the above data is current.
4. The above figures are average values obtained from testing to current EN ISO standards
5. TCS Ltd cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
6. Installation details are available on request.
7. MD...Machine direction CD... Cross direction

Flotex

TNW3000 Non Woven Geotextile Data Sheet

PROPERTY	STANDARD	UNITS	VALUE	TNW3000
MECHANICAL				
TENSILE STRENGTH (MC/CD)	EN 10319	kN/m	AVERAGE	25/25
TENSILE ELONGATION (MD/CD)	EN 10319	%	AVERAGE	65/65
RESISTANCE TO STATIC PUNCTURE	EN ISO 12236	N	AVERAGE	4300
DYNAMIC PERFORATION RESISTANCE	EN ISO 13433	mm	AVERAGE	13
HYDRAULIC				
CHARACTERISTICS OPENING SIZE (O_{90})	EN ISO 12956	µm	AVERAGE	70
WATER PERMEABILITY VI_{H50}	EN ISO 11058	mm/sec	AVERAGE	65
WATER FLOW RATE	EN ISO 11058	l/(m²-sec)	AVERAGE	65
WATER FLOW RATE CAPACITY IN THE PLANE (MD/CD) HG 1.0 AT 20kPa HG 1.0 AT 100kPa HG 1.0 AT 200kPa	EN ISO 12958	10^{-4}/(m-sec)	AVERAGE	16/16 4.4/4.6 4/3.1
ENDURANCE				
WEATHERING RESISTANCE	EN 12224	%RETAIN STRENGTH	AVERAGE	90
RESISTANCE TO LIQUIDS - ACIDS	EN 14030	%RETAIN STRENGTH	AVERAGE	90
RESISTANCE TO LIQUIDS - ALKALINE	EN 14030	%RETAIN STRENGTH	AVERAGE	90
OXIDATION RESISTANCE	EN ISO 13438	%RETAIN STRENGTH	AVERAGE	90
RESISTANCE TO SOIL BURIAL	EN 12225	%RETAIN STRENGTH	AVERAGE	90
PHYSICAL				
MASS/UNIT AREA	EN 9864	gr/m²	AVERAGE	300
THICKNESS (2kPa)	EN 9863-1	mm	AVERAGE	2.0
STANDARD PACKAGING				
ROLL WIDTH	MEASURED	m	TYPICAL	2.0
ROLL LENGTH	MEASURED	m	TYPICAL	50

1. TCS Geotechnics is a trading name of Technical Civils Solutions Ltd
2.TCS Geotechnics Ltd reserves the right to alter product specifications without prior notice.
3. It is the responsibility of all users to satisfy themselves that the above data is current.
4. The above figures are average values obtained from testing to current EN ISO standards
5. TCS Ltd cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
6. Installation details are available on request.
7. MD...Machine direction CD... Cross direction

TECHNICAL DATASHEET

DOUBLE SIDED BUTYL TAPE

PRODUCT DESCRIPTION

TCS DOUBLE SIDED JOINT TAPE is a preformed high performance polyisobutylene (PIB) based sealing tape with enhanced adhesive characteristics for more demanding applications where there are requirements for a high degree of bonding. It is available in single strand or multi-lane rolls.

APPLICATIONS

TCS DOUBLE SIDED JOINT TAPE is used for bonding & sealing applications such as cavity trays & polythene membranes. This product has been developed primarily for the bonding of more difficult materials such as polyethylene sheets used in DPM & DPC applications.

This product has a multitude of other uses where joints need to be formed to seal against air and water ingress in many markets such as, DIY for sealing bath & shower splash trims, Telecoms, Automotive, Glazing, Roofing & Construction. The product is cost effective, non toxic and requires no tools to apply & is simple & easy to use.

PRODUCT DATA

COLOURS	STANDARD COLOURS BLACK, MANY OTHER COLOURS AVAILABLE SUBJECT TO QUANTITY
DIMENSIONS	1.5 mm THICK, 50mm & 100mm WIDE, 10m LENGTH
SHELF LIFE	24 MONTHS IN AMBIENT CONDITIONS.
LIFE EXPECTANCY	IN EXCESS OF 25 YEARS
U.V RESISTANCE	EXCELLENT
SERVICE TEMPERATURE RANGE	-40 TO +90 DEGREES C.
JOINT MOVEMENT	UP TO 15%
COMPATIBILITY	VERY GOOD ADHESION TO MOST SURFACES & COMPATIBLE WITH MOST COMMONLY USED CONSTRUCTION MATERIALS. FOR FURTHER INFORMATION PLEASE CONTACT OUR TECHNICAL DEPARTMENT.
DYNAMIC TENSILE TENSION: SEPARATION RATE 100mm/min @20 deg C	20 N/cm² TO STANDARD 180 GRIT STAINLESS STEEL
DYNAMIC SHEAR: SEPARATION RATE 200mm/MIN @ 20 deg C	22 N/cm² TO STANDARD 180 GRIT STAINLESS STEEL
MOISTURE VAPOUR TRANSMISSION RATE: INDEPENDENTLY TESTED TO BS15106-3	0.010 g/m²/24hr/mm AT 25°C & 75% RH

FEATURES & BENEFITS:

- SOLVENTLESS FORMULATION*
- INSTANT SEAL*
- DIRECT CONTROL OVER QUANTITY OF SEALANT USED IN THE JOINT*
- ENVIRONMENTALLY FRIENDLY*
- EASE OF USE*
- GOOD ADHESION ON BOTH FACES TO MOST BUILDING MATERIALS*
- HIGH PUMPING RESISTANCE*

TCS DOUBLE SIDED JOINT TAPE should be applied to surfaces at a temperature range of between +4 and +40°C. For best performance the surfaces should be clean, dry, and grease free. The product should be unwound and lightly pressed into position leaving the release paper in place. On forming the joint the release paper is removed and the closing surface pushed firmly in place, pressure applied along the length of the joint and mechanically fixed if necessary.

REGISTERED OFFICE ADDRESS

Units 2 & 5 Tetbury Close
Martland Industrial Park
Wigan
Greater Manchester
WN5 0LA

1. TCS Geotechnics is a trading name of Technical Civils Solutions Ltd.
2. TCS Geotechnics Ltd reserves the right to alter product specifications without prior notice.
3. It is the responsibility of all users to satisfy themselves that the above data is current.
4. The above figures are average values obtained from testing to current EN ISO standards.
5. TCS Ltd cannot accept responsibility for the performance of these products as the conditions of use are beyond our control. 6. Installation details are available on request.

sales@tcs-geotechnics.co.uk | 01942 218597 | www.tcs-geotechnics.co.uk

TECHNICAL DATASHEET

PRO-GRADE LAP TAPE

PRODUCT DESCRIPTION

Crossweave fibreglass filament reinforced clear BOPP, coated with a synthetic rubber and hydrocarbon resin adhesive.

APPLICATIONS

Jointing of plastic membranes to seal the overlap, typically used in conjunction with a double sided jointing tape.

FEATURES & BENEFITS

Excellent adhesion and tack & high tensile strength.

APPLICATION NOTES

Apply with a firm pressure to clean, non-porous surfaces. Test an inconspicuous area before use to determine suitability.

TECHNICAL PERFORMANCE

DESCRIPTION	UNITS	VALUE	TEST METHOD
TOTAL THICKNESS	mic	120	DIGITAL CALLIPER
PEEL ADHESION	N/cm	10	AFERA
ELONGATION AT BREAK	%	5	AFERA
TENSILE STRENGTH	N/cm	240	AFERA

DECLARATION OF CONFORMITY INFORMATION

REACH SVHC STATUS

No SHVC present according to candidates list of 16th DEC 2017

RoHC COMPLIANCE STATUS

Not applicable

STORAGE DETAILS

Shelf life recommended 12 months from date of dispatch at the moderate temperature and humidity environment.

REGISTERED OFFICE ADDRESS

Units 2 & 5 Tetbury Close
Martland Industrial Park
Wigan
Greater Manchester
WN5 0LA

1. TCS Geotechnics is a trading name of Technical Civils Solutions Ltd.
2. TCS Geotechnics Ltd reserves the right to alter product specifications without prior notice.
3. It is the responsibility of all users to satisfy themselves that the above data is current.
4. The above figures are average values obtained from testing to current EN ISO standards.
5. TCS Ltd cannot accept responsibility for the performance of these products as the conditions of use are beyond our control. 6. Installation details are available on request.

polycon
water management

STORM**GUARD** -D400

Service . Range . Knowledge

*Welcome To **Polycon***

Polycon Water Management is a specialist in the manufacturing and distribution of stormwater retention systems and flow control units.
We provide solutions for rainwater storage and retention such as attenuation systems and infiltration systems manufactured from regenerated Polypropylene to reduce our carbon footprint.

Polycon is an established leader and specialist in the surface water drainage industry and has been manufacturing and selling channel drainage for over eight years. Our industry knowledge and expertise have allowed us to expand our customer base and now we aim to do so even further by supplying water management solutions.

Here at Polycon, we are always looking at how we can improve and remain relevant within the industry and a huge part of why we can do this is our customer feedback. Our feedback allows us to develop and rapidly adapt to the constantly changing market and easily adjust to our customer's preferred needs.

Our specialist staff with expert knowledge of the water management market ensures that we can provide efficient solutions to a variety of applications such as new residential developments, car parks, and landscaped areas. Our team and their exceptional understanding of the industry allow us to not only meet but exceed customer needs and expectations.

We aim to focus our attention on professionals who sit within the construction industry. Targeting our products to specifiers, architects, engineers, and contractors allows us to understand the importance of expanding our range of solutions.

Service • Range • Knowledge

Contents

StormGuard - D400 3

StormGuard - D400 Overview 5

StormGuard - D400 Technical 7

StormGuard - D400 Accessories 8

How Does StormGuard - D400 Work? 9

StormGuard - D400 Assembly & Maintenance 11

StormGuard - D400 Installation 13

Support & Contact 14

STORM**GUARD** - D400

Polycon's StormGuard D400 Attenuation Crate represents a cutting-edge solution for stormwater management that promises significant advantages for both installers and the environment. This innovative crate system offers a host of benefits, starting with its fast and easy installation process.

The StormGuard D400 excels at stormwater attenuation, effectively managing excess rainfall and preventing flooding, thereby safeguarding properties and infrastructure. Its impressive 96% void ratio ensures efficient storage capacity, allowing it to store large volumes of stormwater while conserving valuable space.

The modular design of the StormGuard D400 simplifies setup, reducing labour and time requirements. This streamlined installation not only saves valuable resources but also ensures that projects can be completed swiftly, meeting tight deadlines, and minimizing disruptions to the surrounding environment. The high void ratio means that the system can accommodate substantial quantities of water, effectively reducing the risk of waterlogged areas and providing a reliable solution for controlling stormwater runoff.

Load Class

D400

Applications

Public Parks

Car Parks & Roadways

Sports Fields

Urban Development

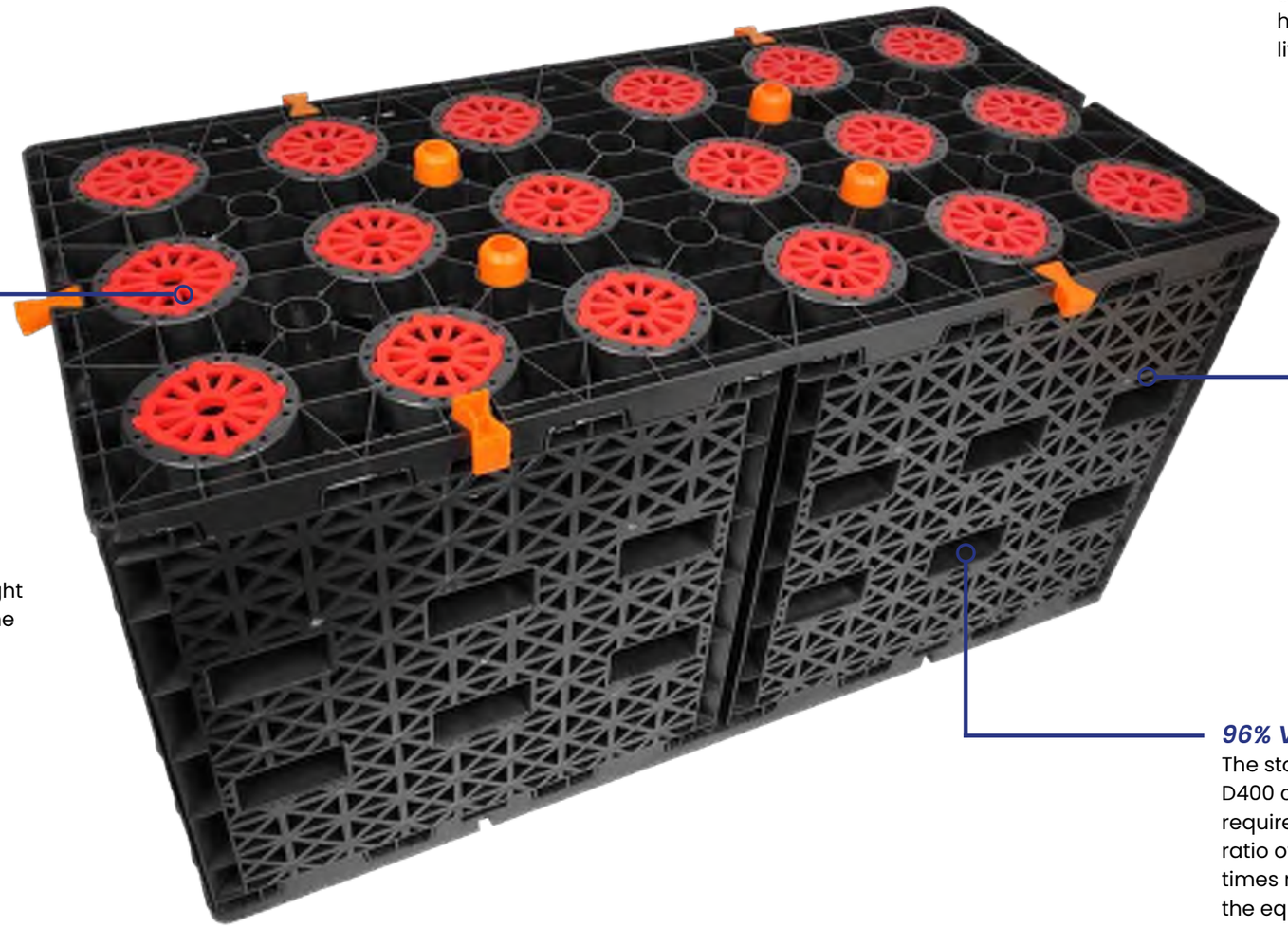
3D VISUALISER

Polycon's 3D Product Visualizer is a game-changing tool that brings our innovative products to life in a dynamic and interactive way. This cutting-edge technology allows users to explore our extensive range of water management solutions in a virtual environment, providing an immersive and informative experience.

View our 3Dvisualiser today at
www.polycon.co.uk

STORM**GUARD** - D400 - Overview

Modular Design
StormGuard D400 is a system of lightweight modular elements designed to cater to the unique requirements of individual sites.



Lightweight Composition
Constructed from recycled polypropylene, the StormGuard D400 offers a lightweight composition that allows for effortless on-site handling, eliminating the necessity for costly lifting equipment.

96% Void Ratio
The storage capacity of StormGuard D400 can be tailored to meet specific site requirements and has an impressive void ratio of 96% providing approximately three times more storage space than gravel in the equivalent space.

Advantages

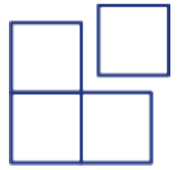
Strength

Efficient

High Quality

Versatile

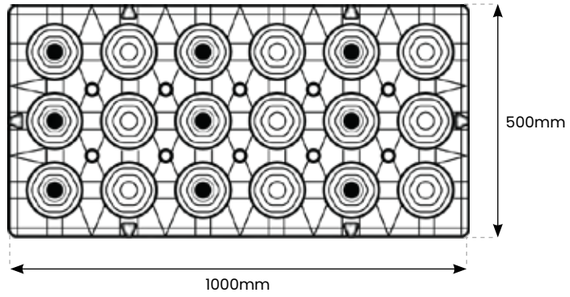
Effective



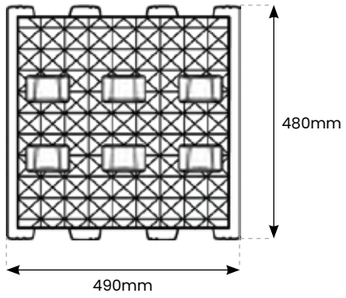
Modular

STORM**GUARD**-D400 - Technical Info

The StormGuard D400 Attenuation Crate by Polycon is a versatile and eco-friendly solution for effective stormwater management. This innovative crate is designed to store and control stormwater runoff, preventing flooding and safeguarding properties and infrastructure. Its modular structure, coupled with a remarkable 96% void ratio, enables efficient storage of large volumes of water while optimizing space usage. The StormGuard D400 provides a sustainable and efficient approach to stormwater attenuation, offering a reliable solution for controlling excess water in urban and industrial environments. It exemplifies Polycon's dedication to providing environmentally conscious and effective solutions for today's water management challenges.



Half Crate Element



Side Panel

Product - Specifications

Component Details	Length (mm)	Width (mm)	Height (mm)	Weight (KG)
Half Crate Element	1000	500	250	4.45
Side Panel	490	480	30	1.1

StormGuard - D400

Material	Polypropylene
Colour	Black
Dimensions	1000 x 500mm
Height	250mm (500mm When Assembled)
Weight	12.8KG Per Tank
Volume (Per Crate)	0.25m³
Net Volume (Per Crate)	0.24m³
Void Ratio (Per Crate)	96%
Short-Term Vertical Compression	466.4kN/m²
Short-Term Lateral Compression	80kN/m²
Maximum Installation Depth	4.4m
Gross Storage Capacity (M³)	0.25
Net Storage Capacity (M³)	0.24

Side Wall Pieces

Material	Polypropylene
Colour	Black
Dimensions	490 x 480mm
Height	30mm
Weight	1.1KG

STORM**GUARD**-D400 - Accessories

- **Vertical Plug** – The vertical plug to be used when creating a stack of attenuation, this allows you to construct a stable and secure system.
- **Top Cover** – Top caps to be installed on the upper side of the infiltration basin; this allows you to create a flat surface so that you can seamlessly wrap the crates in a geotextile membrane.
- **Horizontal Plug M Double Connector** - This connector allows you to connect crates on top of one other to create a larger attenuation system (Double Stack & above), whilst also securing the stability of the StormGuard D400.
- **Horizontal Plug B Single Connector** - This again allows you to connect the crates together in a vertical row and increase the stability of the attenuation unit.

Vertical Plug

Top Cover

Horizontal Plug M

Horizontal Plug B

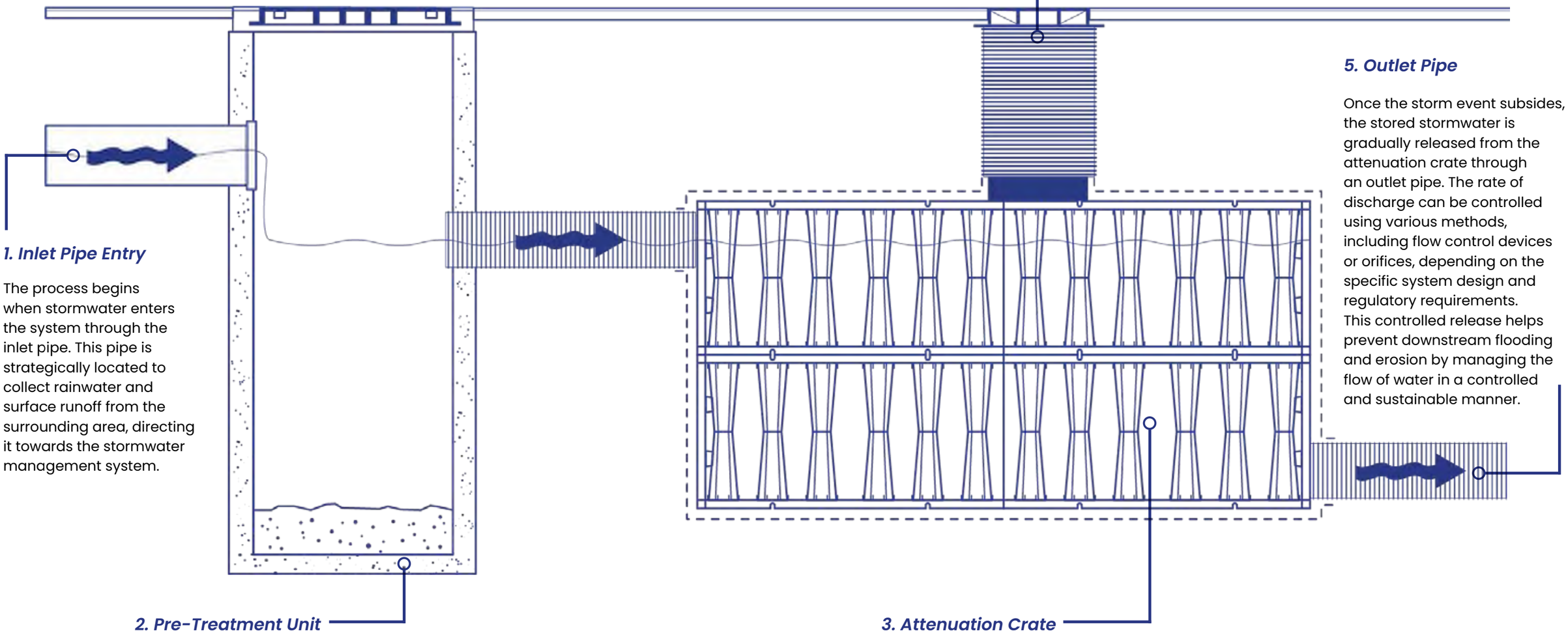
Accessory - Specifications

Component Details	Length (mm)	Width (mm)	Height (mm)	Weight (KG)
Vertical Plug	40	40	60	0.1
Top Cover	100	100	10	0.1
Horizontal Plug M	50	30	35	0.03
Horizontal Plug B	50	30	20	0.06

How does STORM**GUARD** - D400 work?

4. Chamber & Inspection Point

Within the attenuation crate, there may be chambers and inspection points. These components allow for monitoring and maintenance of the system. Inspection points provide access to check the condition of the crate and the water level within it.



5. Outlet Pipe

Once the storm event subsides, the stored stormwater is gradually released from the attenuation crate through an outlet pipe. The rate of discharge can be controlled using various methods, including flow control devices or orifices, depending on the specific system design and regulatory requirements. This controlled release helps prevent downstream flooding and erosion by managing the flow of water in a controlled and sustainable manner.

1. Inlet Pipe Entry

The process begins when stormwater enters the system through the inlet pipe. This pipe is strategically located to collect rainwater and surface runoff from the surrounding area, directing it towards the stormwater management system.

2. Pre-Treatment Unit

Before the stormwater enters the attenuation crate, it passes through a pre-treatment unit. This unit helps filter out larger debris, sediments, and contaminants present in the runoff. This ensures that the water entering the attenuation crate is relatively clean and free from particles that could clog the system or impair its functionality.

3. Attenuation Crate

The StormGuard D400 attenuation crate is a modular, open structure designed to store excess stormwater temporarily. It is wrapped in a waterproof geomembrane that prevents water from infiltrating the surrounding soil. The geomembrane ensures that the stored water remains within the crate until it is released in a controlled manner.

STORM**GUARD**-D400 Assembly & Maintenance

1.

Horizontal Plug B To connect crates horizontally on base layer

2.

Vertical Plug for Middle layer Vertical connection

3.

Horizontal Plug M for Middle Layer connection horizontal & vertical

4.

Top Covers - Side Panels Only required around permitter of Tank!

Maintenance

Both attenuation and infiltration tanks require regular maintenance, which is the responsibility of the customer. For tanks installed in residential homes, it's important to keep gullies and inlets free from debris, such as leaves, to ensure proper function. In larger installations, a routine inspection schedule should be set up to prevent the buildup of silt, which can decrease the system's efficiency over time. Be sure to inspect and clean both the tanks and any silt traps regularly to maintain optimal performance.

STORM**GUARD**-D400 Installation

Please note that this installation guide provides a general overview, and specific details may vary based on the project's design and local regulations. Always refer to the manufacturer's instructions and consult with qualified professionals for a comprehensive and site-specific installation.

All our Engineering advice should be taken where necessary, and any questions should be directed to Polycon's technical team by emailing us at **sales@polycon.co.uk** or by calling us on **0151 424 9747**.

STEP 1 - Site preparation and excavation

Review the site plan and design specifications to allow you to mark out all locations for both inlet and outlet pipes, inspection points, and chambers according to the design brief. Following this you can begin the excavation of the trench, ensuring that the excavation follows the specified depth and dimension outlined during the design plan / Engineer drawing. It is suggested to leave around 1000mm around the perimeter of the excavation for working space.

STEP 2 - Base Preparation

Once excavation of the trench is complete you can move on to the installation of the crate. To do so you simply
Lay a geotextile fabric at the bottom of the excavation area to prevent soil intrusion into the attenuation system.
From here you may Fill the excavation area with a layer of crushed stone or aggregate to create a stable and level base.
Compact this layer using compaction equipment to achieve the desired compaction density.

STEP 3 - Crate Installation

Fill the excavation area with a layer of crushed stone or aggregate to create a stable and level base. Compact this layer using compaction equipment to achieve the desired compaction density. Place the assembled attenuation crates within the excavated area, ensuring proper alignment and orientation. Make sure that any chambers or inspection points are correctly positioned.

STEP 4 - Pipe Connection

Connect the inlet pipe to the designated inlet point on the attenuation system, using appropriate fittings
and seals to ensure a watertight connection. Likewise, connect the outlet pipe to the outlet point on the system,
ensuring proper alignment and sealing.

STEP 5 - Geomembrane Installation

Carefully install a waterproof geomembrane around the outer perimeter of the attenuation
crate system, ensuring that it covers all exterior surfaces and is properly sealed and anchored.

STEP 6 - Backfilling

Backfill the excavation area around the attenuation crates with suitable soil or backfill material, this should
be done with immense attention and is vital that the geomembrane is not damaged during this step.

STEP 7 - Final Inspection & Testing

Inspect the entire installation to ensure that all components are properly connected, sealed, and aligned.
You may also conduct a flow test to verify that the system functions as intended, with controlled stormwater release.

SUPPORT *& Contact*

Support

Polycon takes pride in providing invaluable customer support. Our dedicated team of experts is readily available to assist with any inquiries, questions, or requests for technical drawings and information related to our water management products. We understand that our customers may have specific needs and require detailed insights, and we are committed to delivering prompt and precise solutions.

Designed

Polycon takes pride in its ability to craft bespoke water management products tailored to the unique needs of our customers. Our approach begins with a comprehensive understanding of our client's requirements. With a team of experienced engineers, we leverage cutting-edge technology and innovative design principles to create customized solutions. Our commitment to precision and quality ensures that every bespoke water management product we deliver not only meets but exceeds our customers' expectations.

Delivered

Polycon guarantees exceptional delivery of its water management products through a meticulously organized and customer-centric process. We maintain a vast inventory of standardized components and materials, enabling us to respond swiftly to customer demands.

PRODUCT *Variety*

Polycon offers a comprehensive range of water management products designed to address diverse challenges related to stormwater drainage and management. These solutions encompass various aspects of effective water control and sustainability.

- **Attenuation & soakaway crates**
- **Flow control units & office plates**
- **Geocellular drainage**
- **Sub-base crate systems**
- **Modular arched storage chambers**

To find out any more information on our water management products, receive any expert knowledge, or any technical support get in touch today at ***sales@polycon.co.uk*** *.*

Polycon Surface Water Drainage

Widnes Business Park
Foundry Lane
Widnes
Cheshire
WA8 8UB

www.polycon.co.uk
0151 422 9747
sales@polycon.co.uk

Service . Range . Knowledge

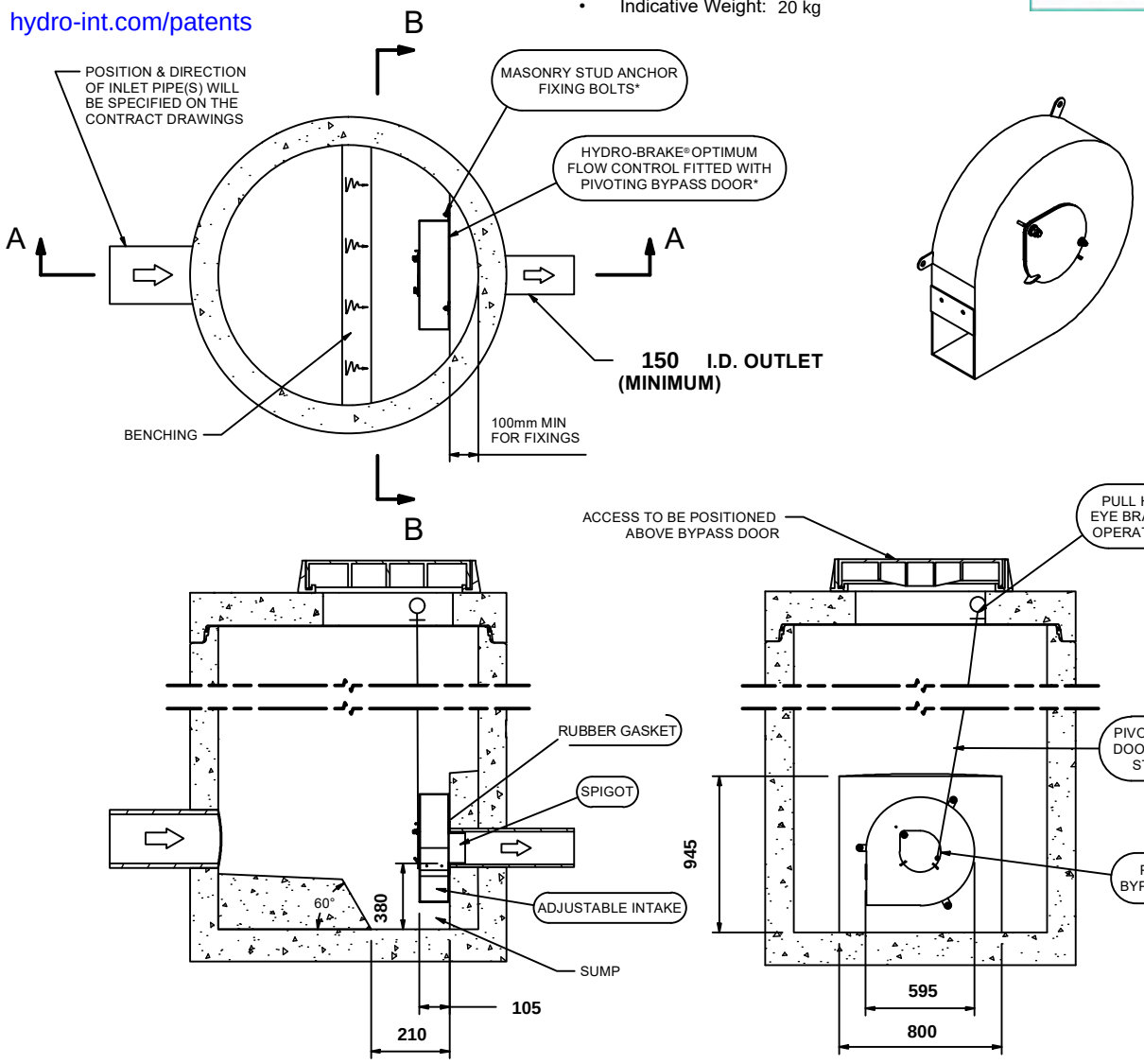
Technical Specification

Control Point	Head (m)	Flow (l/s)
Primary Design	1.500	5.000
Flush-Flo™	0.431	4.879
Kick-Flo®	0.878	3.900
Mean Flow		4.321

Hydro-Brake® Optimum Flow Control including:

- 3 mm grade 304L stainless steel
- Integral stainless steel pivoting by-pass door allowing clear line of sight through to outlet, c/w stainless steel operating rope
- Beed blasted finish to maximise corrosion resistance
- Stainless steel fixings
- Rubber gasket to seal outlet
- Variable flow rate post installation via adjustable inlet
- Indicative Weight: 20 kg

hydro-int.com/patents



SECTION A-A

SECTION B-B

IMPORTANT:
LIMIT OF HYDRO INTERNATIONAL SUPPLY
THE DEVICE WILL BE HANDED TO SUIT SITE CONDITIONS
FOR SITE SPECIFIC DETAILS AND MINIMUM CHAMBER SIZE REFER TO HYDRO INTERNATIONAL
ALL CIVIL AND INSTALLATION WORK BY OTHERS
* WHERE SUPPLIED
HYDRO-BRAKE® FLOW CONTROL & HYDRO-BRAKE® OPTIMUM FLOW CONTROL ARE REGISTERED TRADEMARKS FOR FLOW CONTROLS DESIGNED AND MANUFACTURED EXCLUSIVELY BY HYDRO INTERNATIONAL

THIS DESIGN LAYOUT IS FOR ILLUSTRATIVE PURPOSES ONLY. NOT TO SCALE.

DESIGN ADVICE

The head/flow characteristics of this SHE-0098-5000-1500-5000 Hydro-Brake® Optimum Flow Control are unique. Dynamic hydraulic modelling evaluates the full head/flow characteristic curve.
The use of any other flow control will invalidate any design based on this data and could constitute a flood risk.

Hydro International
A CRH COMPANY

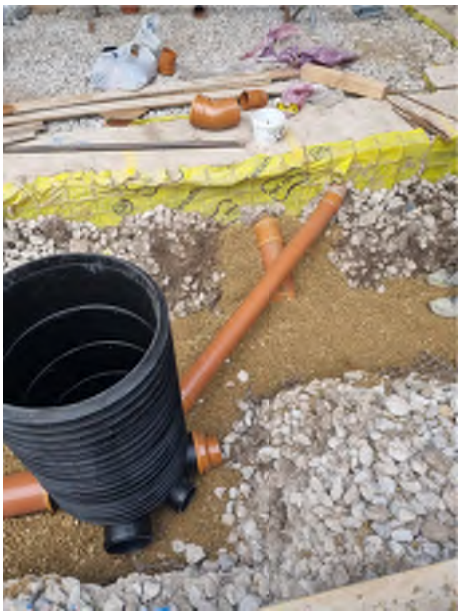
DATE	10/05/2024 12:59
SITE	Womens Facility
DESIGNER	Andy Thomas
REF	13636

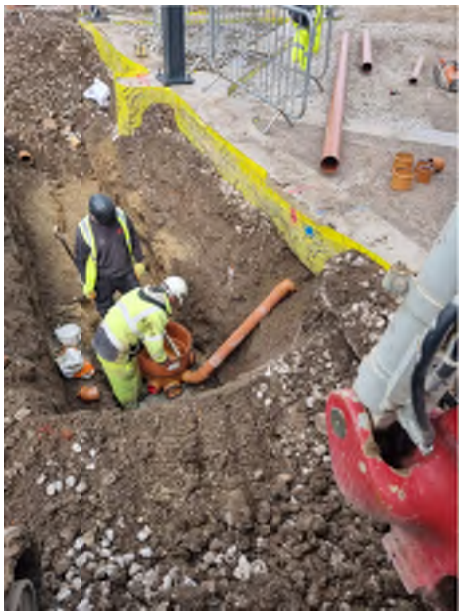
SHE-0098-5000-1500-5000
Hydro-Brake® Optimum

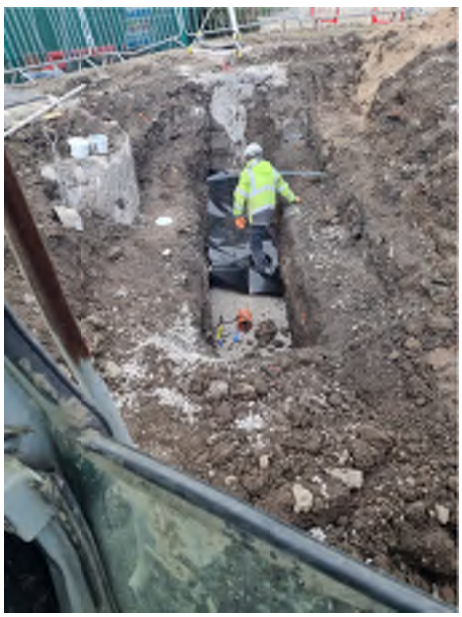
© 2024
Hydro International Ltd • Unit 2, Rivermead Court • Kenn Business Park • Windmill Road • Kenn • Clevedon • BS21 6FT • Tel: 01275 878371 • www.hydro-int.com • Email: enquiries@hydro-int.com

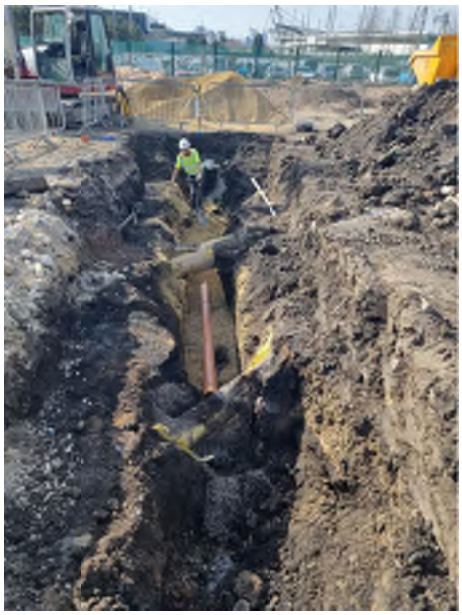
andy.thomas@marstonandgrundy.com

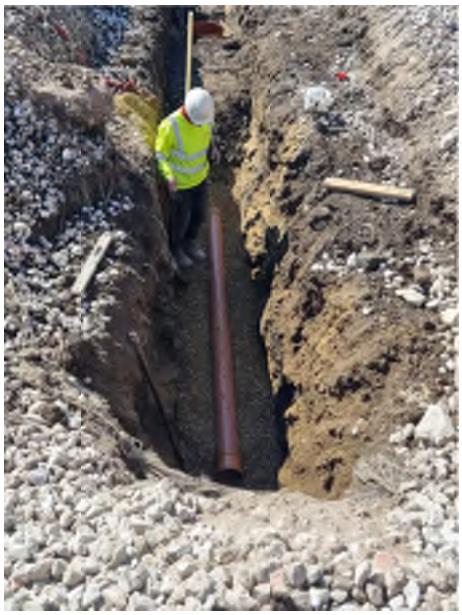
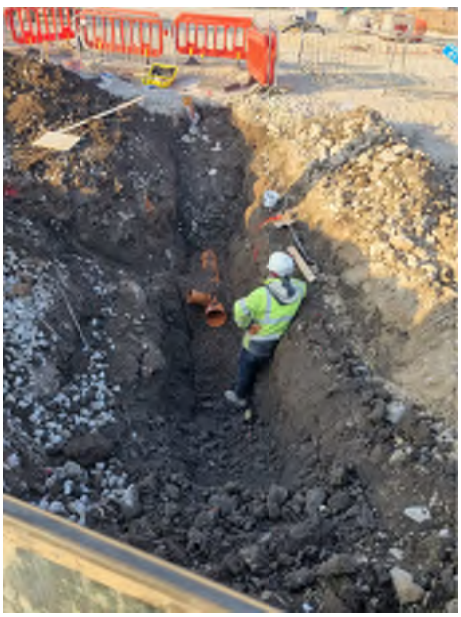
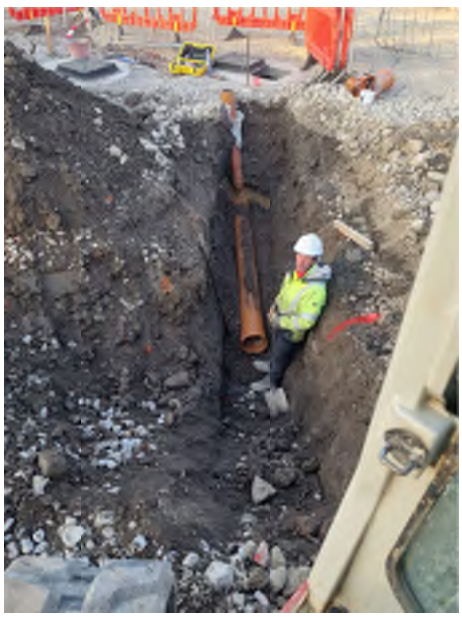
Appendix C – Photographic Verification Report

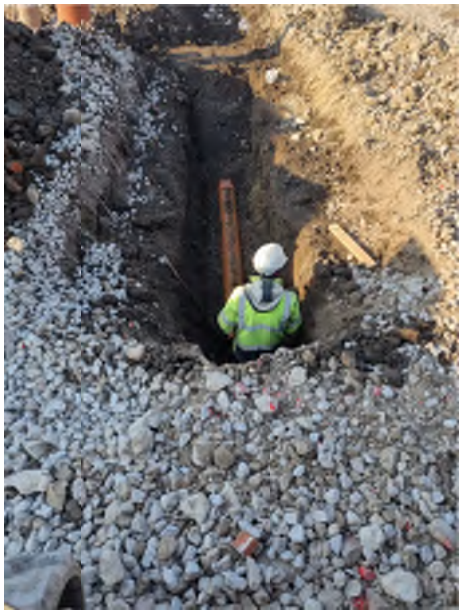


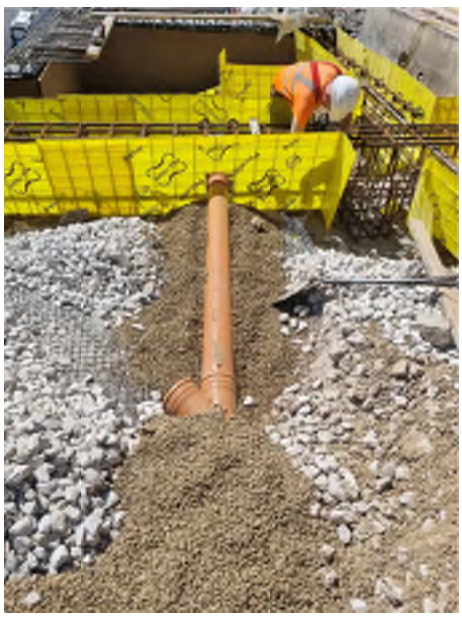










plantforce

C&R
C&R

Appendix D – CCTV Survey

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Project

Project Name:	2025_06_30 Manchester City Womens 36456
Project Description:	CCTV Survey
Project Number:	36456
Project Status:	Complete
Project Date:	6/30/2025
Inspection Standard:	MSCC5 Sewers & Drainage GB (SRM5 Scoring)

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Table of Contents

Project Name	Project Number	Project Date
2025_06_30 Manchester City Womens 36456	36456	6/30/2025

Scoring Summary P-2
Section Item 1: RWP 1 > Main Line (RWP 1X) 3
Section Item 2: SVP 1 > MH FW12 (SVP 1X) 4
Section Item 3: SVP 2 > Main Line (SVP 2X) 5
Section Item 4: RWP 2 > Main Line (RWP 2X) 6
Section Item 5: SVP 3 > MH FW11 (SVP 3X) 7
Section Item 6: SVP 4 > MH FW09 (SVP 4X) 8
Section Item 7: SVP 5 > Main Line (SVP 5 X) 9
Section Item 8: SVP 6 > Main Line (SVP 6X) 10
Section Item 9: SVP 7 > MH FW08 (SVP 7X) 11
Section Item 10: SVP 8 > Main Line (SVP 8 X) 12
Section Item 11: SVP 9 > Main Line (SVP 9X) 13
Section Item 12: RWP 3 > Main Line (RWP 3X) 14
Section Item 13: SVP 10 > MH FW06 (SVP 10X) 15
Section Item 14: RWP 4 > Main Line (RWP 4X) 16
Section Item 15: RWP 5 > Main Line (RWP 5X) 17
Section Item 16: SVP 12 > Main Line (SVP 12X) 18
Section Item 17: SVP 11 > MH FW06 (SVP 11X) 19
Section Item 18: SVP 14 > Main Line (SVP 14X) 20
Section Item 19: SVP 13 > MH FW02 (SVP 13X) 21
Section Item 20: RWP 6 > MH SW01a (RWP 6X) 22
Section Item 21: ITG 7 > Main Line (ITG 7X) 23
Section Item 22: ITG 6 > Main Line (ITG 6X) 24
Section Item 23: ITG 5 > Main Line (ITG 5X) 25
Section Item 24: ITG 4 > Main Line (ITG 4X) 26
Section Item 25: ITG 11 > Main Line (ITG 11X) 27
Section Item 26: ITG 10 > MH FW05 (ITG 10X) 28
Section Item 27: ITG 9 > Main Line (ITG 9X) 29
Section Item 28: ITG 8 > Main Line (ITG 8X) 30

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Table of Contents

Project Name	Project Number	Project Date
2025_06_30 Manchester City Womens 36456	36456	6/30/2025

Section Item 29: ITG 2 > Main Line (ITG 2X) 31

Section Item 30: ITG 1 > Main Line (ITG 1X) 32

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Scoring Summary

Project Name	Project Number	Project Date
2025_06_30 Manchester City Womens 36456	36456	6/30/2025

Structural Defects

Item No.	PLR	Grade	Description
All inspected pipes are in an acceptable structural condition (< grade 3).			

Service / Operational Condition

Item No.	PLR	Grade	Description
All inspected pipes are in an acceptable service condition (< grade 3).			

Abandoned Surveys

Item No.	PLR	Description
All inspections complete, none are abandoned.		

Information

These scoring summaries are based on the SRM grading from the WRc.

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
1	1	28/06/25	0:42	Not Specified	No Rain Or Snow	Yes	RWP 1X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	RWP 1
Road:	550 Ashton New Road	**Inspected Length:**	4.80 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	4.80 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface w ater	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	Grade
Depth: m RWP 1				
	0.00	WL	Water level, 0% of the vertical dimension	
	0.00	REM	General remark: Start, RWP 1	
	4.80	BRF	Finish node, major connection w ithout manhole, reference: Main Line	
Main Line Depth: m				

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
2	1	28/06/25	0:44	Not Specified	No Rain Or Snow	Yes	SVP 1X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	SVP 1
Road:	550 Ashton New Road	**Inspected Length:**	3.10 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	3.10 m	**Downstream Node:**	MH FW12
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50

Position [m]	Code	Observation	Grade
Depth: m SVP 1			
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, SVP 1	
0.50	LD	Line deviates dow n	
3.10	MHF	Finish node, manhole, reference: MH FW12	
MH FW12 Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
3	1	28/06/25	0:45	Not Specified	No Rain Or Snow	Yes	SVP 2X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	SVP 2
Road:	550 Ashton New Road	**Inspected Length:**	4.50 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	4.50 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50

Position [m]	Code	Observation	Grade
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, SVP 2	
2.80	LD	Line deviates dow n	
4.50	BRF	Finish node, major connection w ithout manhole, reference: Main Line	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
4	1	28/06/25	0:47	Not Specified	No Rain Or Snow	Yes	RWP 2X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	RWP 2
Road:	550 Ashton New Road	**Inspected Length:**	5.40 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	5.40 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface w ater	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	Grade
Depth: m RWP 2				
	0.00	WL	Water level, 0% of the vertical dimension	
	0.00	REM	General remark: Start, RWP 2	
	5.40	BRF	Finish node, major connection w ithout manhole, reference: Main Line	
Main Line Depth: m				

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
5	1	28/06/25	0:52	Not Specified	No Rain Or Snow	Yes	SVP 3X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	SVP 3
Road:	550 Ashton New Road	**Inspected Length:**	3.60 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	3.60 m	**Downstream Node:**	MH FW11
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50

Position [m]	Code	Observation	Grade
Depth: m SVP 3			
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, SVP 3	
0.30	REM	General remark: Joins Main Line	
3.60	MHF	Finish node, manhole, reference: MH FW11	
MH FW11 Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
6	1	28/06/25	0:54	Not Specified	No Rain Or Snow	Yes	SVP 4X

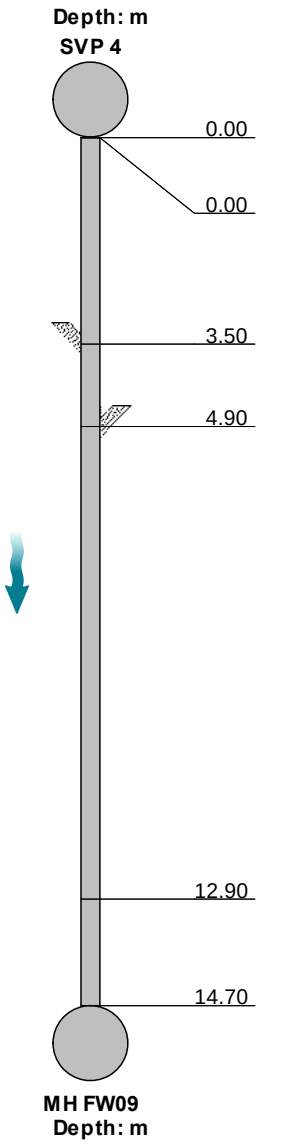
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	SVP 4
Road:	550 Ashton New Road	**Inspected Length:**	14.70 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	14.70 m	**Downstream Node:**	MH FW09
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:128



Position [m]	Code	Observation	Grade
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, SVP 4	
3.50	JN	Junction at 3 o'clock, 100mm dia	
4.90	JN	Junction at 9 o'clock, 100mm dia	
12.90	LD	Line deviates dow n	
14.70	MHF	Finish node, manhole, reference: MH FW09	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
7	1	28/06/25	0:55	Not Specified	No Rain Or Snow	Yes	SVP 5 X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	SVP 5
Road:	550 Ashton New Road	**Inspected Length:**	4.10 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	4.10 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50 Position [m]	Code	Observation	Grade
Depth: m SVP 5			
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, SVP 5	
4.10	BRF	Finish node, major connection w ithout manhole, reference: Main Line	
Main Line Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
8	1	28/06/25	0:57	Not Specified	No Rain Or Snow	Yes	SVP 6X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	SVP 6
Road:	550 Ashton New Road	**Inspected Length:**	6.00 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	6.00 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:52

Position [m]	Code	Observation	Grade
		Depth: m **SVP 6**	
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, SVP 6	
6.00	BRF	Finish node, major connection w ithout manhole, reference: Main Line	
		Main Line **Depth: m**	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
9	1	28/06/25	0:59	Not Specified	No Rain Or Snow	Yes	SVP 7X

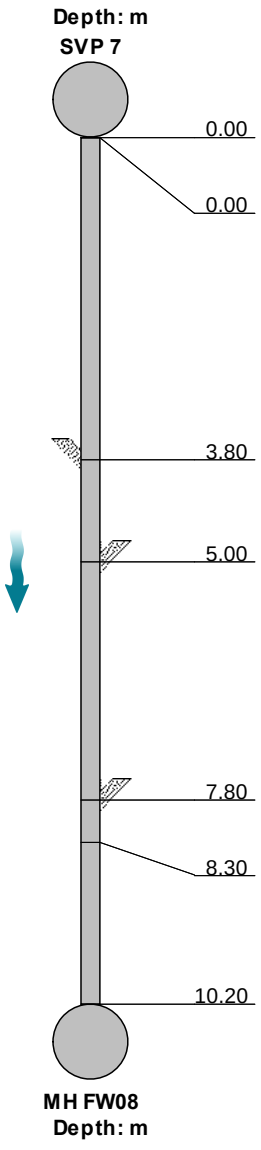
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	SVP 7
Road:	550 Ashton New Road	**Inspected Length:**	10.20 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	10.20 m	**Downstream Node:**	MH FW08
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:89



Position [m]	Code	Observation	Grade
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, SVP 8	
3.80	JN	Junction at 3 o'clock, 100mm dia	
5.00	JN	Junction at 9 o'clock, 100mm dia	
7.80	JN	Junction at 9 o'clock, 100mm dia	
8.30	LD	Line deviates dow n	
10.20	MHF	Finish node, manhole, reference: MH FW08	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
10	1	28/06/25	1:03	Not Specified	No Rain Or Snow	Yes	SVP 8 X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	SVP 8
Road:	550 Ashton New Road	**Inspected Length:**	3.90 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	3.90 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50 Position [m]	Code	Observation	Grade
Depth: m SVP 8			
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, SVP 8	
3.90	BRF	Finish node, major connection w ithout manhole, reference: Main Line	
Main Line Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
11	1	28/06/25	1:05	Not Specified	No Rain Or Snow	Yes	SVP 9X

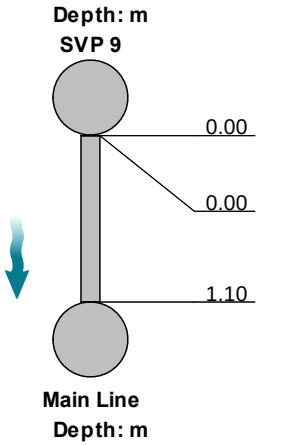
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	SVP 9
Road:	550 Ashton New Road	**Inspected Length:**	1.10 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	1.10 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	Grade
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, SVP 9	
1.10	BRF	Finish node, major connection w ithout manhole, reference: Main Line	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
12	1	28/06/25	1:07	Not Specified	No Rain Or Snow	Yes	RWP 3X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	RWP 3
Road:	550 Ashton New Road	**Inspected Length:**	2.00 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	2.00 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface w ater	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50

Position [m]	Code	Observation	Grade
Depth: m			
RWP 3			
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, RWP 3	
2.00	BRF	Finish node, major connection w ithout manhole, reference: Main Line	
Main Line			
Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
13	1	28/06/25	1:09	Not Specified	No Rain Or Snow	Yes	SVP 10X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	SVP 10
Road:	550 Ashton New Road	**Inspected Length:**	4.20 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	4.20 m	**Downstream Node:**	MH FW06
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50

Position [m]	Code	Observation	Grade
Depth: m SVP 10			
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, SVP 10	
2.80	LD	Line deviates dow n	
4.20	MHF	Finish node, manhole, reference: MH FW06	
MH FW06 Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
14	1	28/06/25	1:10	Not Specified	No Rain Or Snow	Yes	RWP 4X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	RWP 4
Road:	550 Ashton New Road	**Inspected Length:**	3.90 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	3.90 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface w ater	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50 Position [m]	Code	Observation	Grade
Depth: m RWP 4			
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, RWP 4	
3.90	BRF	Finish node, major connection w ithout manhole, reference: Main Line	
Main Line Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
15	1	28/06/25	1:13	Not Specified	No Rain Or Snow	Yes	RWP 5X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	RWP 5
Road:	550 Ashton New Road	**Inspected Length:**	2.00 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	2.00 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface w ater	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50

Position [m]	Code	Observation	Grade
Depth: m			
RWP 5			
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, RWP 5	
2.00	BRF	Finish node, major connection w ithout manhole, reference: Main Line	
Main Line			
Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
16	1	28/06/25	1:15	Not Specified	No Rain Or Snow	Yes	SVP 12X

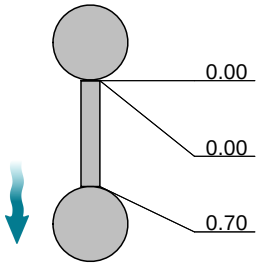
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	SVP 12
Road:	550 Ashton New Road	**Inspected Length:**	0.70 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	0.70 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	Grade
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, SVP 12	
0.70	BRF	Finish node, major connection w ithout manhole, reference: Main Line	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
17	1	28/06/25	1:18	Not Specified	No Rain Or Snow	Yes	SVP 11X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	SVP 11
Road:	550 Ashton New Road	**Inspected Length:**	14.70 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	14.70 m	**Downstream Node:**	MH FW06
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:128

Position [m]	Code	Observation	Grade
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, SVP 11	
6.50	JN	Junction at 3 o'clock, 100mm dia	
13.20	LD	Line deviates dow n	
14.70	MHF	Finish node, manhole, reference: MH FW06	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
18	1	28/06/25	1:21	Not Specified	No Rain Or Snow	Yes	SVP 14X

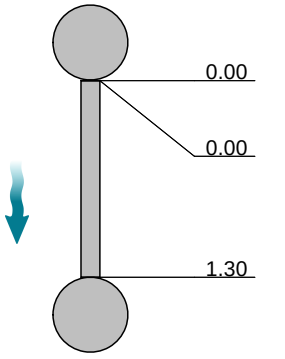
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	SVP 14
Road:	550 Ashton New Road	**Inspected Length:**	1.30 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	1.30 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	Grade
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, SVP 14	
1.30	BRF	Finish node, major connection w ithout manhole, reference: Main Line	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
19	1	28/06/25	1:23	Not Specified	No Rain Or Snow	Yes	SVP 13X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	SVP 13
Road:	550 Ashton New Road	**Inspected Length:**	4.30 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	4.30 m	**Downstream Node:**	MH FW02
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50

Position [m]	Code	Observation	Grade
		Depth: m	
		SVP 13	
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, SVP 13	
4.30	MHF	Finish node, manhole, reference: MH FW02	
		MH FW02	
		Depth: m	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
20	1	28/06/25	1:36	Not Specified	No Rain Or Snow	Yes	RWP 6X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	RWP 6
Road:	550 Ashton New Road	**Inspected Length:**	6.90 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	6.90 m	**Downstream Node:**	MH SW01A
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface w ater	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:60

Position [m]	Code	Observation	Grade
Depth: m			
RWP 6			
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, RWP 6	
6.90	MHF	Finish node, manhole, reference: MH SW01a	
MH SW01a			
Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
21	1	28/06/25	1:41	Not Specified	No Rain Or Snow	Yes	ITG 7X

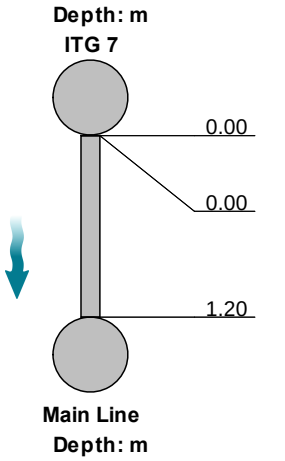
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	ITG 7
Road:	550 Ashton New Road	**Inspected Length:**	1.20 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	1.20 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

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

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	Grade
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, ITG 7	
1.20	BRF	Finish node, major connection w ithout manhole, reference: Main Line	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
22	1	28/06/25	1:44	Not Specified	No Rain Or Snow	Yes	ITG 6X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	ITG 6
Road:	550 Ashton New Road	**Inspected Length:**	1.90 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	1.90 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

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

Comments:
Recommendations:

Scale: 1:50

Position [m]	Code	Observation	Grade
Depth: m			
ITG 6			
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, ITG 6	
1.90	BRF	Finish node, major connection w ithout manhole, reference: Main Line	
Main Line			
Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
23	1	28/06/25	1:45	Not Specified	No Rain Or Snow	Yes	ITG 5X

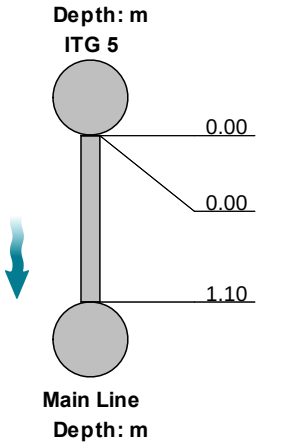
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	ITG 5
Road:	550 Ashton New Road	**Inspected Length:**	1.10 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	1.10 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

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

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	Grade
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, ITG 5	
1.10	BRF	Finish node, major connection w ithout manhole, reference: Main Line	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
24	1	28/06/25	1:48	Not Specified	No Rain Or Snow	Yes	ITG 4X

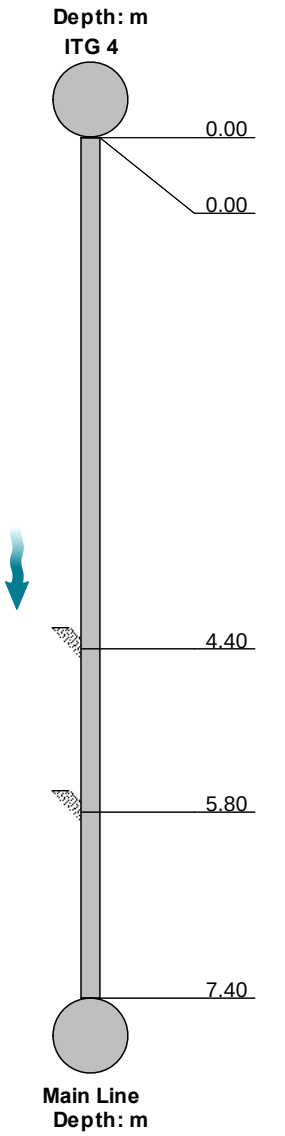
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	ITG 4
Road:	550 Ashton New Road	**Inspected Length:**	7.40 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	7.40 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

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

Comments:
Recommendations:

Scale: 1:65



Position [m]	Code	Observation	Grade
0.00	REM	General remark: Start, ITG 4	
0.00	WL	Water level, 0% of the vertical dimension	
4.40	JN	Junction at 3 o'clock, 150mm dia	
5.80	JN	Junction at 3 o'clock, 150mm dia	
7.40	BRF	Finish node, major connection w ithout manhole, reference: Main Line	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
25	1	28/06/25	1:53	Not Specified	No Rain Or Snow	Yes	ITG 11X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	ITG 11
Road:	550 Ashton New Road	**Inspected Length:**	1.60 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	1.60 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

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

Comments:
Recommendations:

Scale: 1:50

Position [m]	Code	Observation	Grade
Depth: m ITG 11			
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, ITG 11	
1.60	BRF	Finish node, major connection w ithout manhole, reference: Main Line	
Main Line Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
26	1	28/06/25	1:57	Not Specified	No Rain Or Snow	Yes	ITG 10X

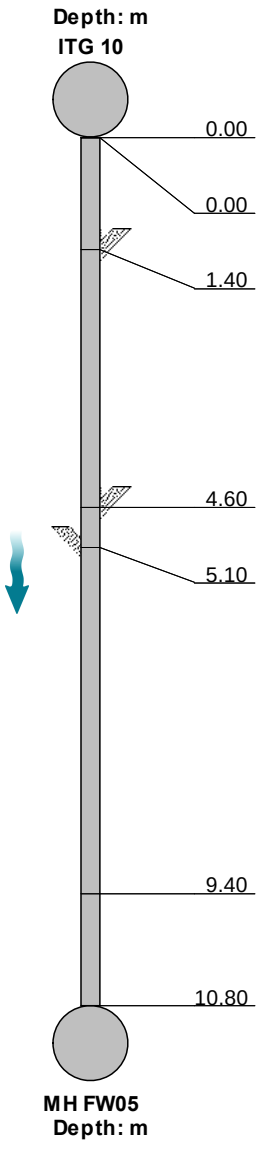
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	ITG 10
Road:	550 Ashton New Road	**Inspected Length:**	10.80 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	10.80 m	**Downstream Node:**	MH FW05
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:94



Position [m]	Code	Observation	Grade
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, ITG 10	
1.40	JN	Junction at 9 o'clock, 100mm dia	
4.60	JN	Junction at 9 o'clock, 100mm dia	
5.10	JN	Junction at 3 o'clock, 100mm dia	
9.40	LD	Line deviates dow n	
10.80	MHF	Finish node, manhole, reference: MH FW05	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
27	1	28/06/25	1:58	Not Specified	No Rain Or Snow	Yes	ITG 9X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	ITG 9
Road:	550 Ashton New Road	**Inspected Length:**	1.60 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	1.60 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50

Position [m]	Code	Observation	Grade
Depth: m ITG 9			
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, ITG 9	
1.60	BRF	Finish node, major connection w ithout manhole, reference: Main Line	
Main Line Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
28	1	28/06/25	2:04	Not Specified	No Rain Or Snow	Yes	ITG 8X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	ITG 8
Road:	550 Ashton New Road	**Inspected Length:**	2.30 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	2.30 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50

Position [m]	Code	Observation	Grade
Depth: m			
ITG 8			
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, ITG 8	
2.30	BRF	Finish node, major connection w ithout manhole, reference: Main Line	
Main Line			
Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
29	1	28/06/25	2:05	Not Specified	No Rain Or Snow	Yes	ITG 2X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	ITG 2
Road:	550 Ashton New Road	**Inspected Length:**	1.30 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	1.30 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50

Position [m]	Code	Observation	Grade
Depth: m ITG 2			
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, ITG 2	
1.30	BRF	Finish node, major connection w ithout manhole, reference: Main Line	
Main Line Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
30	1	28/06/25	2:09	Not Specified	No Rain Or Snow	Yes	ITG 1X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcw fc Facility	**Inspection Direction:**	Dow nstream	**Upstream Node:**	ITG 1
Road:	550 Ashton New Road	**Inspected Length:**	2.00 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	2.00 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sew er	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50

Position [m]	Code	Observation	Grade
Depth: m			
ITG 1			
0.00	WL	Water level, 0% of the vertical dimension	
0.00	REM	General remark: Start, ITG 1	
2.00	BRF	Finish node, major connection w ithout manhole, reference: Main Line	
Main Line			
Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

WEB PROJECT
CLICK TO OPEN THIS PROJECT

Project

Project Name:	2025_12_11 MCWFC 36966
Project Description:	CCTV Survey
Project Number:	36966
Project Status:	Complete
Project Date:	11/12/2025
Inspection Standard:	MSCC5 Sewers & Drainage GB (SRM5 Scoring)

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Table of Contents

Project Name	Project Number	Project Date
2025_12_11 MCWFC 36966	36966	11/12/2025

Scoring Summary P-2
Defect Grade Description (Section) P-40
Section Item 1: SW05 > SW06 (SW05X) 3
Section Item 2: SW03 > SW06 (SW03X) 4
Section Item 3: FW13 > FW14 (FW13X) 5
Section Item 4: FW14 > CW01 (FW14X) 6
Section Item 5: SW06 > SW07 (SW06X) 7
Section Item 6: SW07 > Atten Tank (SW07X) 8
Section Item 7: Branch A > SW08 (Branch AX) 9
Section Item 8: Branch B > SW08 (Branch BX) 10
Section Item 9: SW08 > Atten Tank (SW08X) 11
Section Item 10: CW01 > EX MH2 (CW01X) 12
Section Item 11: Branch A > FW01 (Branch AX) 13
Section Item 12: FW02 > FW01 (FW02X) 14
Section Item 13: FW02 > FW03 (FW02X) 15
Section Item 14: Branch B > SW01a (Branch BX) 16
Section Item 15: SW01a > SW01b (SW01aX) 17
Section Item 16: FW03 > FW04 (FW03X) 18
Section Item 17: SW01b > SW01 (SW01bX) 19
Section Item 18: FW04 > FW05 (FW04X) 20
Section Item 19: FW05 > FW06 (FW05X) 21
Section Item 20: SW01 > SW02 (SW01X) 22
Section Item 21: FW06 > FW07 (FW06X) 23
Section Item 22: Branch B > SW02 (Branch BX) 24
Section Item 23: Branch C > SW02 (Branch CX) 25
Section Item 24: FW07 > FW08 (FW07X) 26
Section Item 25: FW08 > FW09 (FW08X) 27
Section Item 26: FW09 > FW10 (FW09X) 28
Section Item 27: SW02 > SW03 (SW02X) 29

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Table of Contents

Project Name	Project Number	Project Date
2025_12_11 MCWFC 36966	36966	11/12/2025

Section Item 28: FW10 > FW13 (FW10X) 30
Section Item 29: GY3 > Main Line (GY3X) 31
Section Item 30: Branch A > SW04 (Branch AX) 32
Section Item 31: SW04 > SW05 (SW04X) 33
Section Item 32: FW11 > FW12 (FW11X) 34
Section Item 33: FW12 > FW13 (FW12X) 35
Section Item 34: GY1 > Main Line (GY1X) 36
Section Item 35: GY2 > Main Line (GY2X) 37
Section Item 36: Atten Tank > SW09 (Atten TankX) 38
Section Item 37: SW09 > CW01 (SW09X) 39

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Scoring Summary

Project Name	Project Number	Project Date
2025_12_11 MCWFC 36966	36966	11/12/2025

Structural Defects

Item No.	PLR	Grade	Description
All inspected pipes are in an acceptable structural condition (< grade 3).			

Service / Operational Condition

Grade 3: Best practice suggests consideration should be given to maintenance activities in the medium term.

Grade 4: Best practice suggests consideration should be given to maintenance activity to avoid potential blockages.

Grade 5: Best practice suggests that this pipe is at a high risk of backing up or causing flooding.

Item No.	PLR	Grade	Description
3	FW13X	3	Settled deposits, hard or compacted, 10% cross-sectional area loss

Abandoned Surveys

Item No.	PLR	Description
All inspections complete, none are abandoned.		

Information

These scoring summaries are based on the SRM grading from the WRc.

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Defect Grade Description (Section)

Project Name	Project Number	Project Date
2025_12_11 MCWFC 36966	36966	11/12/2025

1: Brick: No deformation. Minor structural defects.

Rigid Pipes: No deformation. Minor structural defects, i.e. open or displaced joints without additional characteristics.

Flexible Pipes: Deformation <= 5%.

Acceptable structural condition.

2: Brick: Deformation <= 5%. Circumferential cracking. Single longitudinal crack. Surface mortar loss (depth missing < 15 mm). Surface damage - spalling slight (breaking away of small fragments from the surface). Surface damage - wear slight (increased roughness).

Rigid Pipes: Deformation <= 5%. Circumferential cracking. Surface damage - spalling slight (breaking away of small fragments from the surface). Surface damage - wear slight (increased roughness).

Flexible Pipes: Deformation <= 10%.

Minimal collapse likelihood in the short term but potential for further deterioration.

3: Brick: Deformation > 5%. Total mortar loss (depth missing > 50 mm) without other defects. More than one longitudinal crack (at a single location). Multiple cracking. Single bricks displaced. No fracture and only moderate mortar loss. Surface damage - spalling medium (large areas of chipped brick). Surface damage - wear medium (entire surface of brick is missing).

Rigid Pipes: Fractures. Longitudinal cracking or multiple cracking. Minor loss of level. Severe joint defects. Surface damage - spalling medium. Surface damage - wear medium.

Flexible Pipes: Deformation <= 20%.

Collapse unlikely in the near future but further deterioration likely.

4: Brick: Total mortar loss (depth missing > 50 mm) or fractured. Displaced/hanging brickwork. Small number of missing bricks. Dropped invert (drop > 20 mm). Moderate loss of level. Surface damage - spalling large (entire surface of brick is missing). Surface damage - wear large (entire surface of brick missing).

Rigid Pipes: Broken. Deformation <= 10% and fractured. Multiple fracture. Serious loss of level. Serious joint defects with voids or soil visible (open joint with > 50mm soil or void visible or joint displacement > 25% of diameter). Surface damage - spalling large. Surface damage - wear large.

Flexible Pipes: Deformation <= 33%.

Collapse likely in the foreseeable future.

5: Brick: Already collapsed. Missing invert. Fractured. Displaced/hanging brickwork. Extensive areas of missing brickwork.

Rigid Pipes: Already collapsed. Deformation > 10% and broken or fractured.

Flexible Pipes: Deformation > 33%.

Collapsed or collapse imminent.

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
1	1	11/12/25	16:27	Not Specified	No Rain Or Snow	Yes	SW05X

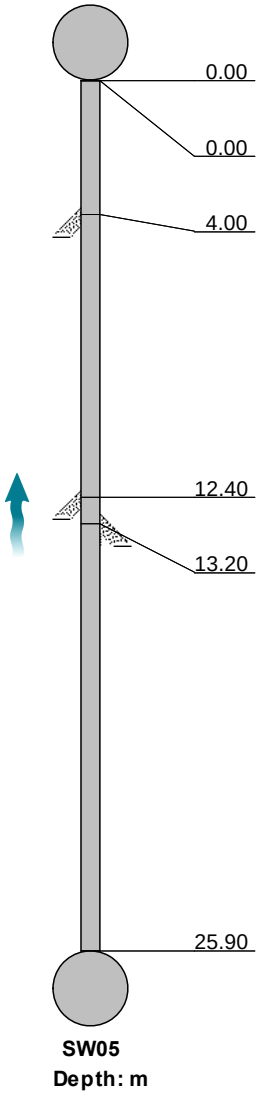
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Crawler	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Upstream	**Upstream Node:**	SW05
Road:		**Inspected Length:**	25.90 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	25.90 m	**Downstream Node:**	SW06
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	225 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:225



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: SW06	
0.00	WL	Water level, 0% of the vertical dimension	
4.00	JN	Junction at 2 o'clock, 150mm dia	
12.40	JN	Junction at 2 o'clock, 150mm dia	
13.20	JN	Junction at 10 o'clock, 150mm dia	
25.90	MHF	Finish node, manhole, reference: SW05	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
2	1	11/12/25	16:34	Not Specified	No Rain Or Snow	Yes	SW03X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Crawler	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Upstream	**Upstream Node:**	SW03
Road:		**Inspected Length:**	13.40 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	13.40 m	**Downstream Node:**	SW06
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	225 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:117

Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: SW06	
0.00	WL	Water level, 0% of the vertical dimension	
13.40	SC	Pipe size changes, new size(s), 150mm high	
13.40	MHF	Finish node, manhole, reference: SW03	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
3	1	11/12/25	17:53	Not Specified	No Rain Or Snow	Yes	FW13X

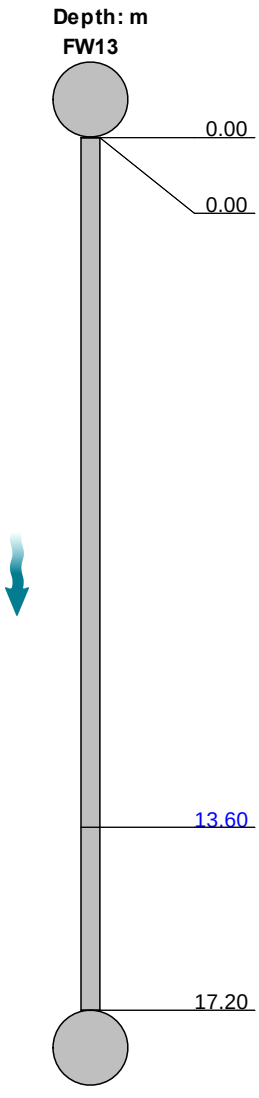
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	FW13
Road:		**Inspected Length:**	17.20 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	17.20 m	**Downstream Node:**	FW14
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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:149



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: FW13	
0.00	WL	Water level, 0% of the vertical dimension	
13.60	DEC	Settled deposits, hard or compacted, 10% cross-sectional area loss	3
17.20	MHF	Finish node, manhole, reference: FW14	

DEC - 13.60

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	1	2.0	0.1	2.0	3.0

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
4	1	11/12/25	17:27	Not Specified	No Rain Or Snow	Yes	FW14X

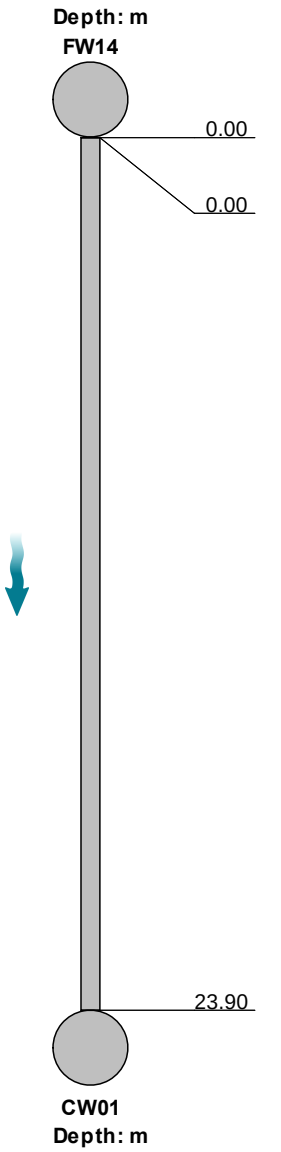
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	FW14
Road:		**Inspected Length:**	23.90 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	23.90 m	**Downstream Node:**	CW01
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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:207



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: FW14	
0.00	WL	Water level, 0% of the vertical dimension	
23.90	MHF	Finish node, manhole, reference: CW01	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
5	1	13/12/25	9:41	Not Specified	No Rain Or Snow	Yes	SW06X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Crawler	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	SW06
Road:		**Inspected Length:**	24.10 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	24.10 m	**Downstream Node:**	SW07
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	225 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:209

Position [m]	Code	Observation	Grade
Depth: m SW06			
0.00	MH	Start node, manhole, reference: SW06	
0.00	WL	Water level, 5% of the vertical dimension	
24.10	CPF	Finish node, catchpit, reference: SW07	
SW07 Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Section Inspection

WEB PROJECT

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
6	1	11/12/25	18:27	Not Specified	No Rain Or Snow	Yes	SW07X

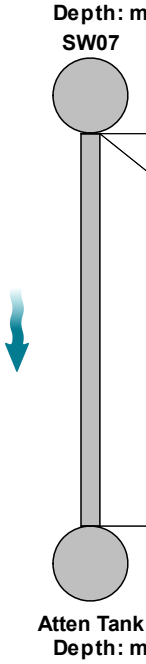
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Crawler	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	SW07
Road:		**Inspected Length:**	2.60 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	2.60 m	**Downstream Node:**	ATTEN TANK
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	225 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	Grade
0.00	CP	Start node, catchpit, reference: SW07	
0.00	WL	Water level, 5% of the vertical dimension	
2.60	REM	General remark: Finish, Attenuation Tank	

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	0.0	0	0.0	0.0	0.0	0.0

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
7	1	11/12/25	18:53	Not Specified	No Rain Or Snow	Yes	BRANCH AX

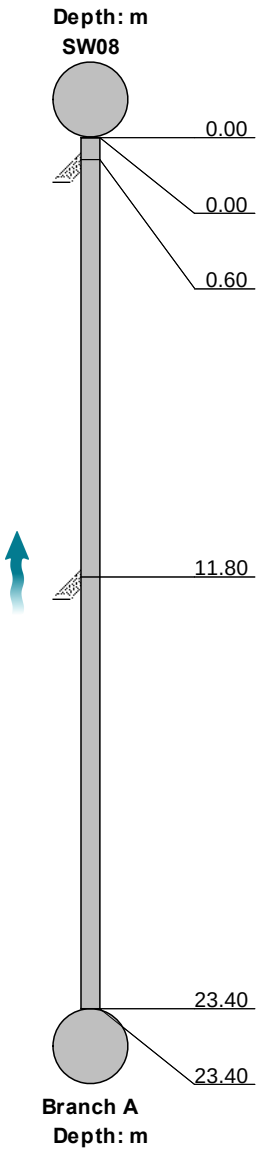
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Upstream	**Upstream Node:**	BRANCH A
Road:		**Inspected Length:**	23.40 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	23.40 m	**Downstream Node:**	SW08
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:203



Position [m]	Code	Observation	Grade
0.00	CP	Start node, catchpit, reference: SW08	
0.00	WL	Water level, 5% of the vertical dimension	
0.60	JN	Junction at 3 o'clock, 150mm dia	
11.80	JN	Junction at 3 o'clock, 150mm dia	
23.40	LU	Line deviates up	
23.40	GYF	Finish node, gully, reference: Branch A: RG3	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Section Inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
8	1	11/12/25	18:58	Not Specified	No Rain Or Snow	Yes	BRANCH BX

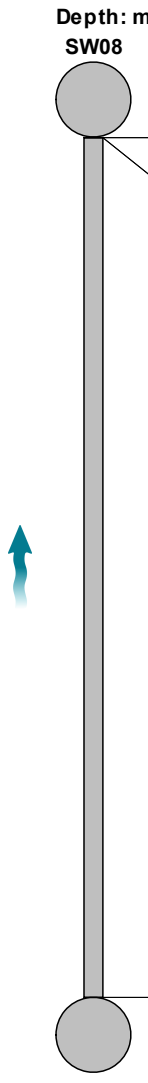
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Upstream	**Upstream Node:**	BRANCH B
Road:		**Inspected Length:**	6.60 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	6.60 m	**Downstream Node:**	SW08
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:58



Position [m]	Code	Observation	Grade
0.00	CP	Start node, catchpit, reference: SW08	
0.00	WL	Water level, 0% of the vertical dimension	
6.60	REM	General remark: Line capped	

REM - 6.60

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	0.0	0	0.0	0.0	0.0	0.0

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Section Inspection

WEB PROJECT

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
9	1	11/12/25	19:00	Not Specified	No Rain Or Snow	Yes	SW08X

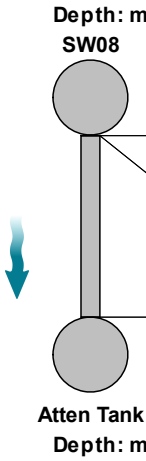
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	SW08
Road:		**Inspected Length:**	1.20 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	1.20 m	**Downstream Node:**	ATTEN TANK
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	Grade
0.00	CP	Start node, catchpit, reference: SW08	
0.00	WL	Water level, 0% of the vertical dimension	
1.20	REM	General remark: Attenuation Tank	

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	0.0	0	0.0	0.0	0.0	0.0

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
10	1	13/12/25	9:11	Not Specified	No Rain Or Snow	Yes	CW01X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Crawler	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	CW01
Road:		**Inspected Length:**	18.00 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	18.00 m	**Downstream Node:**	EX MH2
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Combined	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	225 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:156 **Position [m]** **Code** **Observation** **Grade**

Depth: m
CW01

Position [m]	Code	Observation
0.00	MH	Start node, manhole, reference: CW01
0.00	WL	Water level, 0% of the vertical dimension
18.00	MHF	Finish node, manhole, reference: EX MH2

EX MH2
Depth: m

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Section Inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
11	1	11/12/25	3:11	Not Specified	No Rain Or Snow	Yes	BRANCH AX

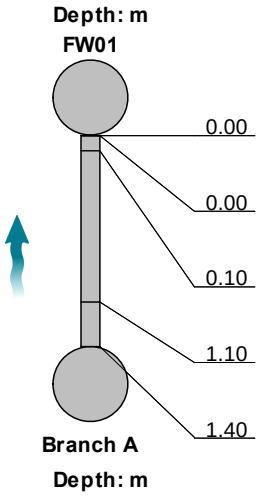
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Upstream	**Upstream Node:**	BRANCH A
Road:		**Inspected Length:**	1.40 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	1.40 m	**Downstream Node:**	FW01
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: FW01	
0.00	WL	Water level, 0% of the vertical dimension	
0.10	LL	Line deviates left	
1.10	LR	Line deviates right	
1.40	REM	General remark: Rest bend	

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	0.0	0	0.0	0.0	0.0	0.0

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
12	1	11/12/25	3:13	Not Specified	No Rain Or Snow	Yes	FW02X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Upstream	**Upstream Node:**	FW02
Road:		**Inspected Length:**	6.50 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	6.50 m	**Downstream Node:**	FW01
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:57

Position [m]	Code	Observation	Grade
Depth: m			
FW01			
0.00	MH	Start node, manhole, reference: FW01	
0.00	WL	Water level, 0% of the vertical dimension	
6.50	MHF	Finish node, manhole, reference: FW02	
FW02			
Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
13	1	11/12/25	3:16	Not Specified	No Rain Or Snow	Yes	FW02X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	FW02
Road:		**Inspected Length:**	17.10 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	17.10 m	**Downstream Node:**	FW03
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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:149

Position [m]	Depth: m	Code	Observation	Grade
	FW02			
0.00		MH	Start node, manhole, reference: FW02	
0.00		WL	Water level, 0% of the vertical dimension	
1.30		JN	Junction at 3 o'clock, 150mm dia	
4.30		JN	Junction at 3 o'clock, 150mm dia	
9.70		JN	Junction at 10 o'clock, 100mm dia	
16.90		LR	Line deviates right	
17.10		MHF	Finish node, manhole, reference: FW03	
	FW03			
	Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Section Inspection

WEB PROJECT

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
14	1	11/12/25	3:18	Not Specified	No Rain Or Snow	Yes	BRANCH BX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Upstream	**Upstream Node:**	BRANCH B
Road:		**Inspected Length:**	1.50 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	1.50 m	**Downstream Node:**	SW01A
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50

Position [m]	Code	Observation	Grade
Depth: m			
SW01a			
0.00	MH	Start node, manhole, reference: SW01a	
0.00	WL	Water level, 0% of the vertical dimension	
1.20	LR	Line deviates right	
1.50	REM	General remark: Aco	
Branch B			
Depth: m			

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	0.0	0	0.0	0.0	0.0	0.0

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
15	1	11/12/25	3:21	Not Specified	No Rain Or Snow	Yes	SW01AX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	SW01A
Road:		**Inspected Length:**	14.80 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	14.80 m	**Downstream Node:**	SW01B
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:129

Position [m]	Code	Observation	Grade
Depth: m			
SW01a			
0.00	MH	Start node, manhole, reference: SW01a	
0.00	WL	Water level, 0% of the vertical dimension	
14.40	LR	Line deviates right	
14.80	MHF	Finish node, manhole, reference: SW01b	
SW01b			
Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
16	1	11/12/25	3:23	Not Specified	No Rain Or Snow	Yes	FW03X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	FW03
Road:		**Inspected Length:**	8.00 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	8.00 m	**Downstream Node:**	FW04
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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:70

Position [m]	Code	Observation	Grade
		Depth: m	
		FW03	
0.00	MH	Start node, manhole, reference: FW03	
0.00	WL	Water level, 0% of the vertical dimension	
7.80	LL	Line deviates left	
8.00	MHF	Finish node, manhole, reference: FW04	
		FW04	
		Depth: m	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
17	1	11/12/25	3:26	Not Specified	No Rain Or Snow	Yes	SW01BX

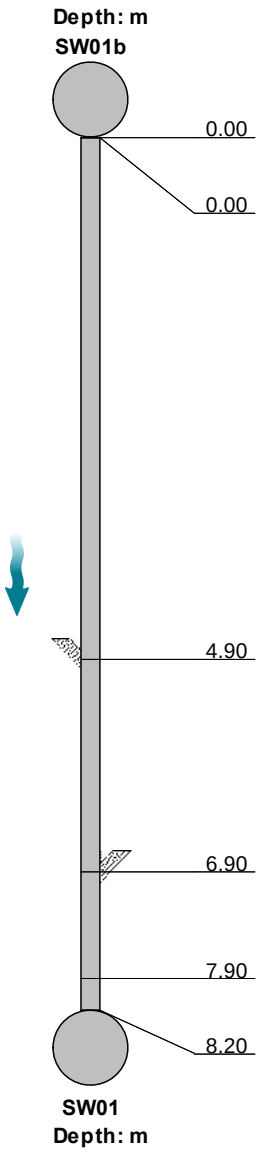
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	SW01B
Road:		**Inspected Length:**	8.20 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	8.20 m	**Downstream Node:**	SW01
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:71



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: SW01b	
0.00	WL	Water level, 0% of the vertical dimension	
4.90	JN	Junction at 2 o'clock, 150mm dia	
6.90	JN	Junction at 10 o'clock, 100mm dia	
7.90	LL	Line deviates left	
8.20	MHF	Finish node, manhole, reference: SW01	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
18	1	11/12/25	3:27	Not Specified	No Rain Or Snow	Yes	FW04X

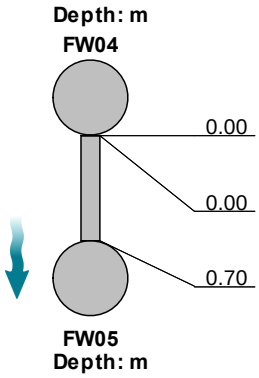
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	FW04
Road:		**Inspected Length:**	0.70 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	0.70 m	**Downstream Node:**	FW05
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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: FW04	
0.00	WL	Water level, 0% of the vertical dimension	
0.70	MHF	Finish node, manhole, reference: FW05	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
19	1	11/12/25	4:24	Not Specified	No Rain Or Snow	Yes	FW05X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	FW05
Road:		**Inspected Length:**	6.00 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	6.00 m	**Downstream Node:**	FW06
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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:52

Position [m]	Code	Observation	Grade
Depth: m FW05			
0.00	MH	Start node, manhole, reference: FW05	
0.00	WL	Water level, 0% of the vertical dimension	
6.00	MHF	Finish node, manhole, reference: FW06	
FW06 Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
20	1	11/12/25	4:27	Not Specified	No Rain Or Snow	Yes	SW01X

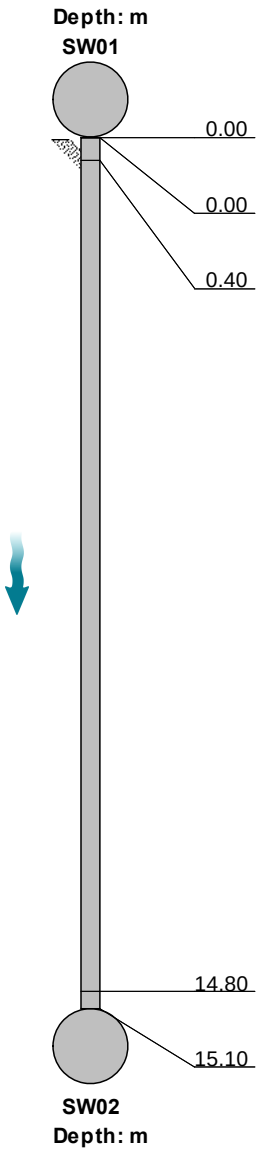
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	SW01
Road:		**Inspected Length:**	15.10 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	15.10 m	**Downstream Node:**	SW02
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:131



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: SW01	
0.00	WL	Water level, 0% of the vertical dimension	
0.40	JN	Junction at 3 o'clock, 150mm dia	
14.80	LR	Line deviates right	
15.10	MHF	Finish node, manhole, reference: SW02	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
21	1	11/12/25	4:31	Not Specified	No Rain Or Snow	Yes	FW06X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	FW06
Road:		**Inspected Length:**	6.80 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	6.80 m	**Downstream Node:**	FW07
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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:59

Position [m]	Code	Observation	Grade
Depth: m FW06			
0.00	MH	Start node, manhole, reference: FW06	
0.00	WL	Water level, 0% of the vertical dimension	
6.50	LR	Line deviates right	
6.80	MHF	Finish node, manhole, reference: FW07	
FW07 Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Section Inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
22	1	11/12/25	4:32	Not Specified	No Rain Or Snow	Yes	BRANCH BX

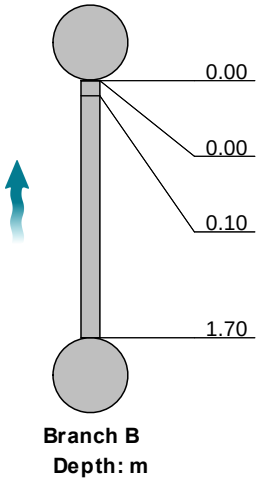
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Upstream	**Upstream Node:**	BRANCH B
Road:		**Inspected Length:**	1.70 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	1.70 m	**Downstream Node:**	SW02
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: SW02	
0.00	WL	Water level, 0% of the vertical dimension	
0.10	LU	Line deviates up	
1.70	REM	General remark: Limit of survey due to bend	

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	0.0	0	0.0	0.0	0.0	0.0

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Section Inspection

WEB PROJECT

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
23	1	11/12/25	4:37	Not Specified	No Rain Or Snow	Yes	BRANCH CX

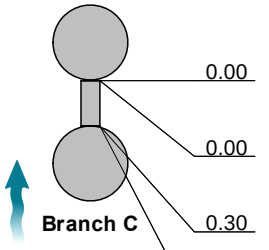
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Upstream	**Upstream Node:**	BRANCH C
Road:		**Inspected Length:**	0.30 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	0.30 m	**Downstream Node:**	SW02
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: SW02	
0.00	WL	Water level, 0% of the vertical dimension	
0.30	SC	Pipe size changes, new size(s), 100mm high	
0.30	REM	General remark: Limit of survey, unable to pass reducer	

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	0.0	0	0.0	0.0	0.0	0.0

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
24	1	11/12/25	4:50	Not Specified	No Rain Or Snow	Yes	FW07X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	FW07
Road:		**Inspected Length:**	11.60 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	11.60 m	**Downstream Node:**	FW08
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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:101

Position [m]	Code	Observation	Grade
Depth: m			
FW07			
0.00	MH	Start node, manhole, reference: FW07	
0.00	WL	Water level, 0% of the vertical dimension	
11.60	MHF	Finish node, manhole, reference: FW08	
FW08			
Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
25	1	11/12/25	4:41	Not Specified	No Rain Or Snow	Yes	FW08X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	FW08
Road:		**Inspected Length:**	5.30 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	5.30 m	**Downstream Node:**	FW09
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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50

Position [m]	Code	Observation	Grade
Depth: m FW08			
0.00	MH	Start node, manhole, reference: FW08	
0.00	WL	Water level, 0% of the vertical dimension	
5.30	MHF	Finish node, manhole, reference: FW09	
FW09 Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
26	1	11/12/25	5:54	Not Specified	No Rain Or Snow	Yes	FW09X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	FW09
Road:		**Inspected Length:**	7.90 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	7.90 m	**Downstream Node:**	FW10
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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:69

Position [m]	Code	Observation	Grade
		Depth: m	
		FW09	
0.00	MH	Start node, manhole, reference: FW9	
0.00	WL	Water level, 0% of the vertical dimension	
7.90	MHF	Finish node, manhole, reference: FW10	
		FW10	
		Depth: m	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
27	1	11/12/25	5:54	Not Specified	No Rain Or Snow	Yes	SW02X

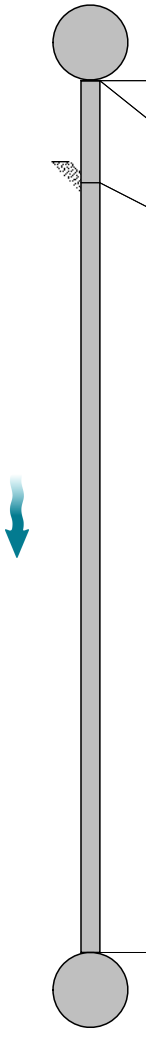
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	SW02
Road:		**Inspected Length:**	25.60 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	25.60 m	**Downstream Node:**	SW03
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:222



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: SW02	
0.00	WL	Water level, 0% of the vertical dimension	
3.00	JN	Junction at 3 o'clock, 150mm dia	
25.60	MHF	Finish node, manhole, reference: SW03	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
28	1	11/12/25	6:26	Not Specified	No Rain Or Snow	Yes	FW10X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	FW10
Road:		**Inspected Length:**	12.00 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	12.00 m	**Downstream Node:**	FW13
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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:104	Position [m]	Code	Observation	Grade
Depth: m				
FW10				
	0.00	MH	Start node, manhole, reference: FW10	
	0.00	WL	Water level, 0% of the vertical dimension	
	12.00	MHF	Finish node, manhole, reference: FW13	
FW13				
Depth: m				

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
29	1	11/12/25	7:06	Not Specified	No Rain Or Snow	Yes	GY3X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	GY3
Road:		**Inspected Length:**	3.60 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	3.60 m	**Downstream Node:**	MAIN LINE
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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50

Position [m]	Code	Observation	Grade
Depth: m GY3			
0.00	GY	Start node, gully, reference: GY3	
0.00	WL	Water level, 0% of the vertical dimension	
3.30	LD	Line deviates down	
3.60	BRF	Finish node, major connection without manhole, reference: Main Line	
Main Line Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Section Inspection

WEB PROJECT

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
30	1	11/12/25	7:13	Not Specified	No Rain Or Snow	Yes	BRANCH AX

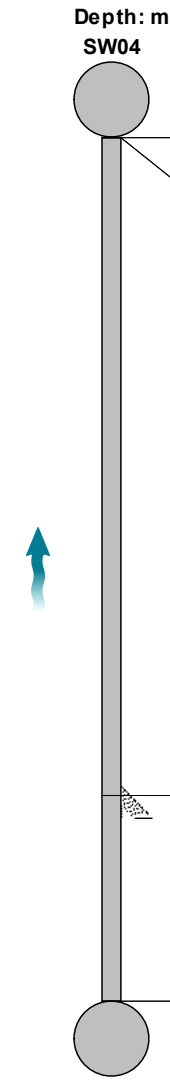
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Upstream	**Upstream Node:**	BRANCH A
Road:		**Inspected Length:**	8.80 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	8.80 m	**Downstream Node:**	SW04
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	225 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:77



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: SW04	
0.00	WL	Water level, 0% of the vertical dimension	
6.70	JN	Junction at 11 o'clock, 100mm dia	
8.80	REM	General remark: Line capped	

REM - 8.80

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	0.0	0	0.0	0.0	0.0	0.0

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
31	1	11/12/25	7:58	Not Specified	No Rain Or Snow	Yes	SW04X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	SW04
Road:		**Inspected Length:**	17.20 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	17.20 m	**Downstream Node:**	SW05
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	225 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:149

Position [m]	Code	Observation	Grade
Depth: m SW04			
0.00	MH	Start node, manhole, reference: SW04	
0.00	WL	Water level, 0% of the vertical dimension	
1.00	JN	Junction at 10 o'clock, 150mm dia	
2.60	JN	Junction at 12 o'clock, 150mm dia	
12.80	JN	Junction at 10 o'clock, 150mm dia	
17.20	MHF	Finish node, manhole, reference: SW05	
SW05 Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
32	1	11/12/25	8:06	Not Specified	No Rain Or Snow	Yes	FW11X

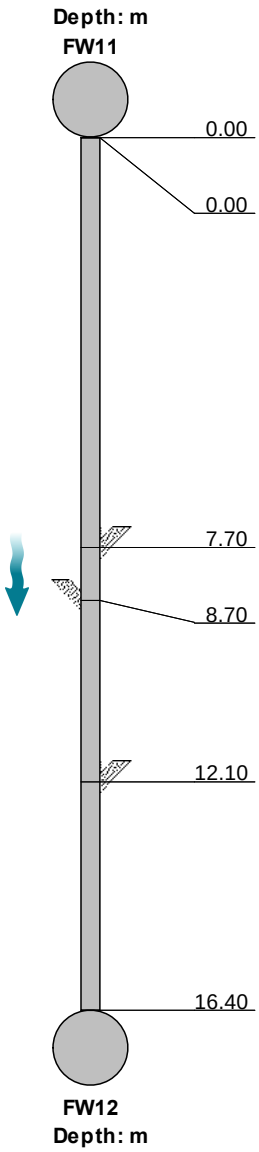
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	FW11
Road:		**Inspected Length:**	16.40 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	16.40 m	**Downstream Node:**	FW12
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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:142



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: FW11	
0.00	WL	Water level, 0% of the vertical dimension	
7.70	JN	Junction at 10 o'clock, 100mm dia	
8.70	JN	Junction at 1 o'clock, 100mm dia	
12.10	JN	Junction at 10 o'clock, 100mm dia	
16.40	MHF	Finish node, manhole, reference: FW12	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
33	1	11/12/25	8:12	Not Specified	No Rain Or Snow	Yes	FW12X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	FW12
Road:		**Inspected Length:**	5.80 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	5.80 m	**Downstream Node:**	FW13
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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:51

Position [m]	Code	Observation	Grade
		Depth: m	
		FW12	
0.00	MH	Start node, manhole, reference: FW12	
0.00	WL	Water level, 0% of the vertical dimension	
5.80	MHF	Finish node, manhole, reference: FW13	
		FW13	
		Depth: m	

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
34	1	11/12/25	8:13	Not Specified	No Rain Or Snow	Yes	GY1X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	GY1
Road:		**Inspected Length:**	4.80 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	4.90 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50 Position [m]	Code	Observation	Grade
Depth: m GY1			
0.00	GY	Start node, gully, reference: GY1	
0.00	WL	Water level, 0% of the vertical dimension	
1.70	LD	Line deviates down	
3.60	LD	Line deviates down	
4.80	BRF	Finish node, major connection without manhole, reference: Main Line	
Main Line Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
35	1	11/12/25	8:25	Not Specified	No Rain Or Snow	Yes	GY2X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Downstream	**Upstream Node:**	GY2
Road:		**Inspected Length:**	5.30 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	5.30 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50

Position [m]	Code	Observation	Grade
Depth: m			
GY2			
0.00	GY	Start node, gully, reference: GY2	
0.00	WL	Water level, 0% of the vertical dimension	
0.50	LR	Line deviates right	
4.00	LD	Line deviates down	
5.30	BRF	Finish node, major connection without manhole, reference: Main Line	
Main Line			
Depth: m			

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

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Section Inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
36	1	11/12/25	11:07	Not Specified	No Rain Or Snow	Yes	ATTEN TANKX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Upstream	**Upstream Node:**	ATTEN TANK
Road:		**Inspected Length:**	0.80 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	0.80 m	**Downstream Node:**	SW09
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	Grade
Depth: m SW09				
	0.00	MH	Start node, manhole, reference: SW09	
	0.00	WL	Water level, 10% of the vertical dimension	
	0.80	REM	General remark: Attenuation Tank	
Atten Tank Depth: m				

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	0.0	0	0.0	0.0	0.0	0.0

Drain -Alert
Cripplegate Lane, Hoghton
Tel. 01254 851500
service@drain-alert.co.uk

Completed section inspection

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
37	1	11/12/25	11:10	Not Specified	No Rain Or Snow	Yes	SW09X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
J Gostelow	PN17AAK	Flexirod	Not Specified	Private Drain	Not Specified

Town or Village:	Mcwfc	**Inspection Direction:**	Upstream	**Upstream Node:**	SW09
Road:		**Inspected Length:**	3.50 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	3.50 m	**Downstream Node:**	CW01
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Combined	**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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50

Position [m]	Code	Observation	Grade
Depth: m CW01			
0.00	MH	Start node, manhole, reference: CW01	
0.00	WL	Water level, 5% of the vertical dimension	
3.50	MHF	Finish node, manhole, reference: SW09: Hydrobrake	
SW09 Depth: m			

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