NorthWest DrainServices

# Inspection Report

Project Name: Toughsheet Bolton

Start Date:



North West Drain Services Ltd | Unit G10 Falcon mill | Bolton | 07756631110 / 07429611080

NorthWest DrainServices

**North West Drain Services Ltd**
*Unit G10 Falcon mill, Bolton*
*Tel. 07756631110 / 07429611080*
*drainservices@googlemail.com*

# Table of Contents

| Project Name | Project Number | Project Date |
|---|---|---|
| Toughsheet Bolton | | 13/04/2026 |

Project Information ..... P-1
Project Pictures ..... P-2
Section Item 1: 1A > MH1 (1AX) ..... 1
Section Item 2: 1B > MH1 (1BX) ..... 3
Section Item 3: 1C > MH1 (1CX) ..... 5
Section Item 4: MH1 > MH2 (MH1X) ..... 11
Section Item 5: MH2 > MH4 (MH2X) ..... 14
Section Item 6: 5A > MH5 (5AX) ..... 20
Section Item 7: 5B > MH5 (5BX) ..... 27
Section Item 8: MH5 > MH8 (MH5X) ..... 30
Section Item 9: 9A > MH9 (9AX) ..... 32
Section Item 10: MH9 > MH11 (MH9X) ..... 34
Section Item 11: MH4 > MH10 (MH4X) ..... 36
Section Item 12: 13A > MH13 (13AX) ..... 38
Section Item 13: 13B > MH13 (13BX) ..... 39
Section Item 14: 14A > MH14 (14AX) ..... 40
Section Item 15: 15A > MH15 (15AX) ..... 41
Section Item 16: GY1 > 15B (GY1X) ..... 42
Section Item 17: MH14 > MH15 (MH14X) ..... 43
Section Item 18: MH15 > MH16 (MH15X) ..... 46
Section Item 19: 16A > MH16 (16AX) ..... 50
Section Item 20: 17A > MH17 (17AX) ..... 51
Section Item 21: 17B > MH17 (17BX) ..... 53
Section Item 22: MH16 > MAIN (MH16X) ..... 54
Section Item 23: MH11 > MH18 (MH11X) ..... 61
Section Item 24: MH18 > MH19 (MH18X) ..... 62
Section Item 25: MH13 > D/STREAM (MH13X) ..... 63
North West Drain Services Ltd ..... 65

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*drainservices@googlemail.com*

# Project Information

| Project Name | Project Number | Project Date |
|---|---|---|
| Toughsheet Bolton | | 13/04/2026 |

## Site

**Company:** Toughsheet Buidling Products
**Department:** Chequerbent Works
**Street:** Manchester Road
**Town or City:** Westhoughton
**County:** Bolton
**Post Code:** BL5 3JF

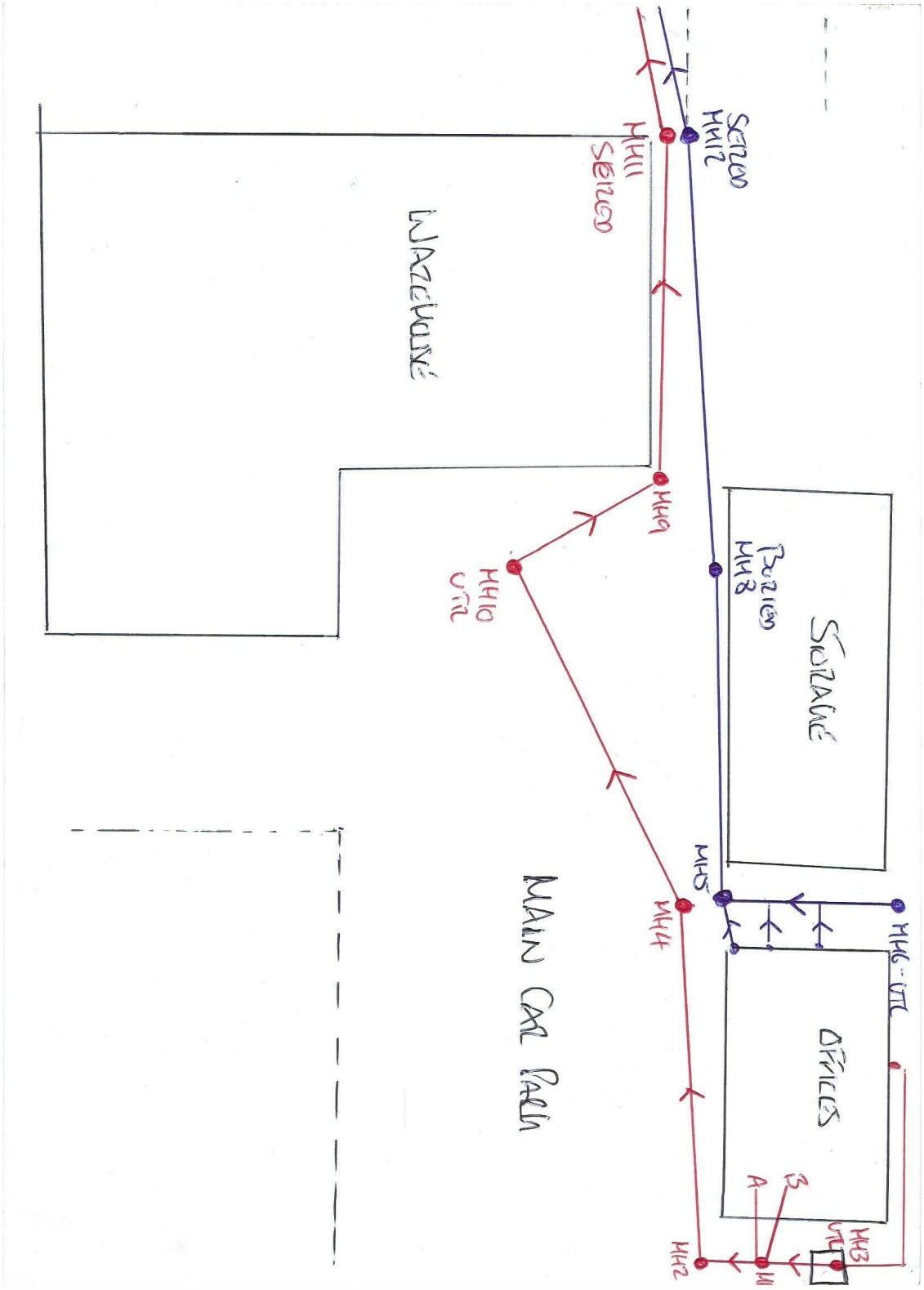
## Contractor

**Company:** North West Drain Services Ltd
**Street:** Unit G10 Falcon mill
**Town or City:** Bolton
**County:** Greater Manchester
**Post Code:** BL1 8BL
**Phone:** 07756631110 / 07429611080
**Email:** drainservices@googlemail.com

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# Project Pictures

| Project Name | Project Number | Project Date |
|---|---|---|
| Toughsheet Bolton | | 13/04/2026 |

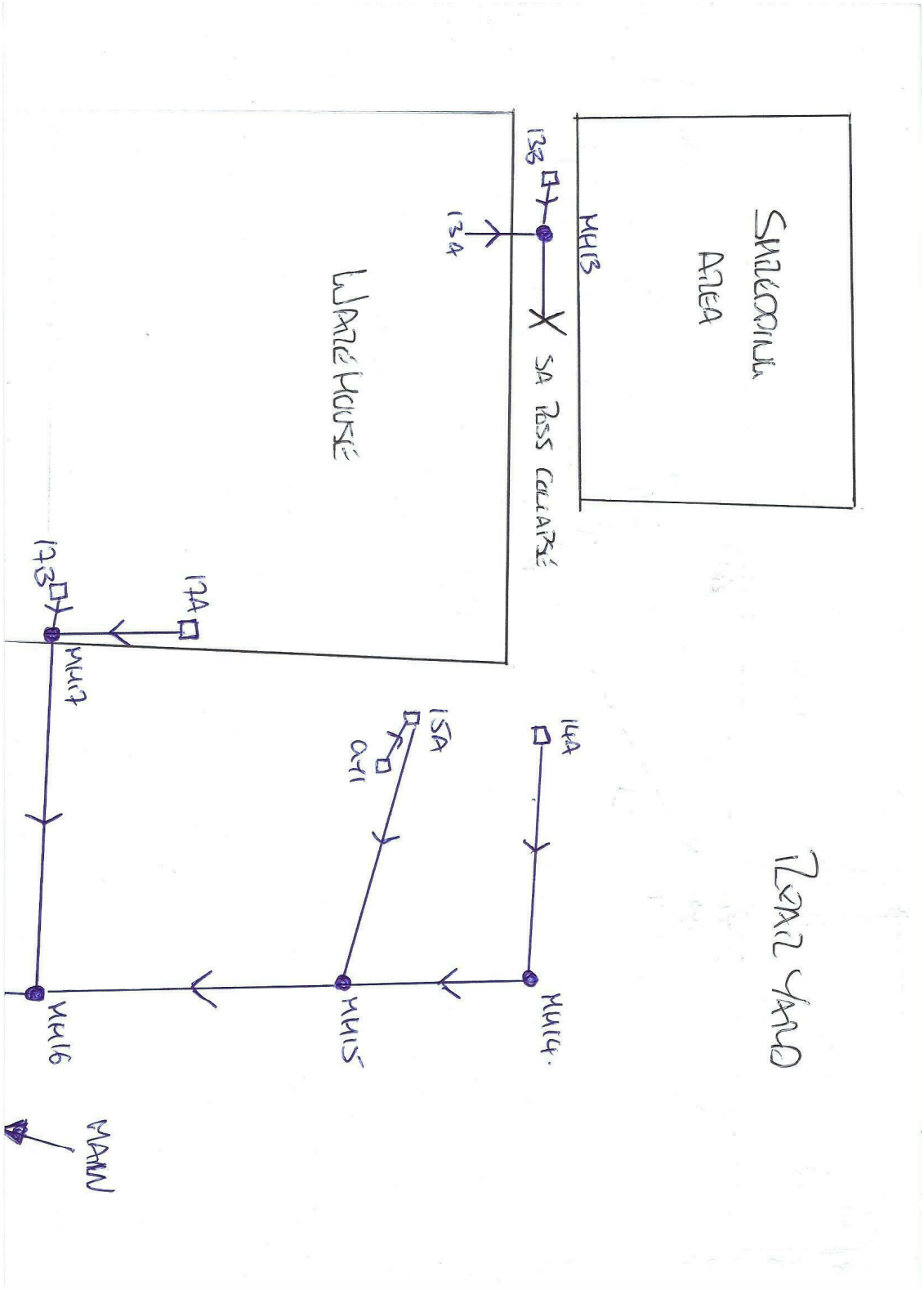



Scan_0002

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# Project Pictures

| Project Name | Project Number | Project Date |
|---|---|---|
| Toughsheet Bolton | | 13/04/2026 |




Scan_0001

NorthWest DrainServices

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# Section Inspection - 10/04/2026 - 1AX

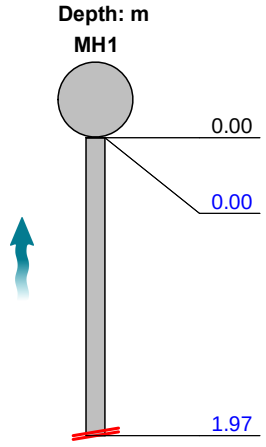
| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 10/04/26 | 7:04 | Toughsheet Bolton | No Rain Or Snow | Yes | 1AX |

| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Upstream | **Upstream Node:** | 1A |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 1.97 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 1.97 m | **Downstream Node:** | MH1 |
| **Surface Type:** | | **Joint Length:** | | **Downstream Pipe Depth:** | |

| | | | |
|---|---|---|---|
| **Use:** | Combined | **Pipe Shape:** | Circular |
| **Type of Pipe:** | Gravity drain/sewer | **Dia/Height:** | 100 mm |
| **Flow Control:** | No flow control | **Material:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**




| Scale: 1:50 Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| 0.00 | MH | Start node, manhole, reference: MH1 | 00:00:03 | | |
| 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:04 | | |
| 1.97 | SA | Survey abandoned: DEFECTIVE LINER | 00:01:10 | 1 | |

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

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# Section Pictures - 10/04/2026 - 1AX

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 1 | Upstream | 1AX | Toughsheet Bolton | |




1, 00:01:10, 1.97 m
Survey abandoned, DEFECTIVE LINER

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# Section Inspection - 10/04/2026 - 1BX

| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 2 | 2 | 10/04/26 | 7:08 | Toughsheet Bolton | No Rain Or Snow | Yes | 1BX |

| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Upstream | **Upstream Node:** | 1B |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 3.62 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 3.62 m | **Downstream Node:** | MH1 |
| **Surface Type:** | | **Joint Length:** | | **Downstream Pipe Depth:** | |

| | | | |
|---|---|---|---|
| **Use:** | Combined | **Pipe Shape:** | Circular |
| **Type of Pipe:** | Gravity drain/sewer | **Dia/Height:** | 100 mm |
| **Flow Control:** | No flow control | **Material:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**



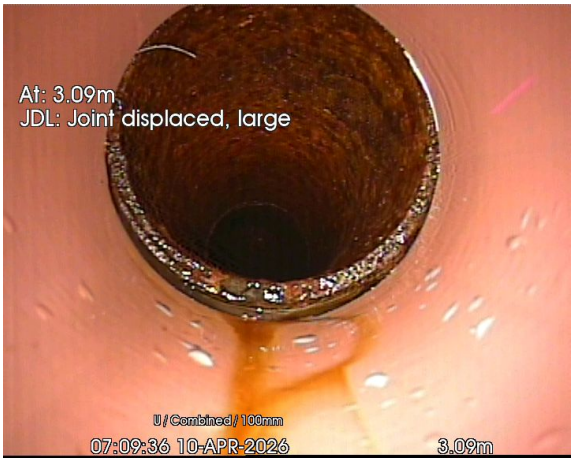
| Scale: 1:50 Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| Depth: m<br>MH1 | | | | | |
| 0.00 | MH | Start node, manhole, reference: MH1 | 00:00:05 | | |
| 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:06 | | |
| 3.09 | JDL | Joint displaced, large | 00:00:43 | 1 | 1 / 4 |
| 3.62 | OCF | Finish node, other special chamber, reference: 1B: REST BEND | 00:00:53 | 2 | |
| 1B<br>Depth: m | | | | | |

| Construction Features | | | | | Miscellaneous Features | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| **STR No. Def** | **STR Peak** | **STR Mean** | **STR Total** | **STR Grade** | **SER No. Def** | **SER Peak** | **SER Mean** | **SER Total** | **SER Grade** |
| 1 | 2.0 | 0.6 | 2.0 | 1.0 | 1 | 5.0 | 1.4 | 5.0 | 4.0 |

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# Section Pictures - 10/04/2026 - 1BX

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 2 | Upstream | 1BX | Toughsheet Bolton | |




1, 00:00:43, 3.09 m
Joint displaced, large




2, 00:00:53, 3.62 m
Finish node, other special chamber, reference: 1B, REST BEND

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# Section Inspection - 10/04/2026 - 1CX

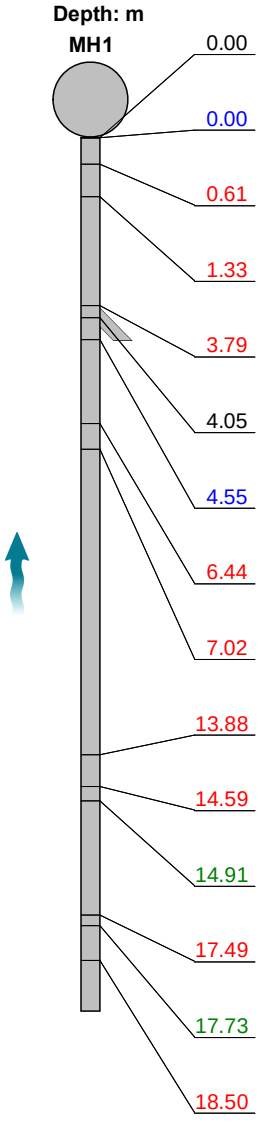
| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 3 | 3 | 10/04/26 | 7:19 | Toughsheet Bolton | No Rain Or Snow | Yes | 1CX |

| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Upstream | **Upstream Node:** | 1C |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 26.92 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 26.92 m | **Downstream Node:** | MH1 |
| **Surface Type:** | | **Joint Length:** | | **Downstream Pipe Depth:** | |

| | | | |
|---|---|---|---|
| **Use:** | Combined | **Pipe Shape:** | Circular |
| **Type of Pipe:** | Gravity drain/sewer | **Dia/Height:** | 100 mm |
| **Flow Control:** | No flow control | **Material:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**



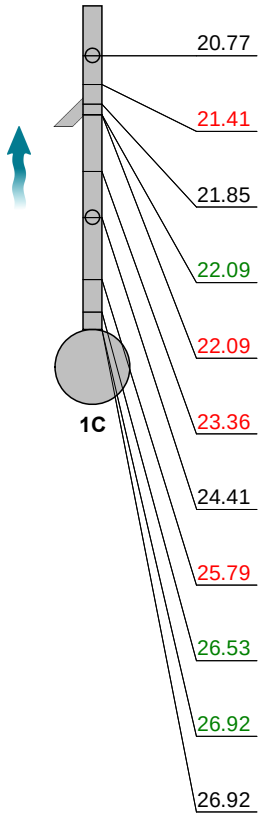

| Scale: 1:170 Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| 0.00 | MH | Start node, manhole, reference: MH1 | 00:00:05 | | |
| 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:05 | | |
| 0.61 | FCJ | Fracture, circumferential at joint from 12 o'clock to 3 o'clock | 00:00:29 | 1 | 3 / 2 |
| 1.33 | JDM | Joint displaced, medium | 00:00:38 | 2 | 1 / 3 |
| 3.79 | JDM | Joint displaced, medium | 00:00:58 | 3 | 1 / 3 |
| 4.05 | JN | Junction at 9 o'clock, 100mm dia | 00:01:01 | | |
| 4.55 | REM | General remark: MH UNDER CONTAINER | 00:01:07 | | |
| 6.44 | JDM | Joint displaced, medium | 00:01:25 | 4 | 1 / 3 |
| 7.02 | JDM | Joint displaced, medium | 00:01:31 | 5 | 1 / 3 |
| 13.88 | JDM | Joint displaced, medium | 00:02:16 | 6 | 1 / 3 |
| 14.59 | JDM | Joint displaced, medium | 00:02:21 | 7 | 1 / 3 |
| 14.91 | LL | Line deviates left | 00:02:25 | | |
| 17.49 | JDM | Joint displaced, medium | 00:02:48 | 8 | 1 / 3 |
| 17.73 | LL | Line deviates left | 00:02:51 | | |
| 18.50 | JDM | Joint displaced, medium | 00:02:58 | 9 | 1 / 3 |

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# Section Inspection - 10/04/2026 - 1CX

| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 3 | 3 | 10/04/26 | 7:19 | Toughsheet Bolton | No Rain Or Snow | Yes | 1CX |

| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |




| Scale: 1:170 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|---|
| | 20.77 | JN | Junction at 12 o'clock, 100mm dia | 00:03:12 | | |
| | 21.41 | JDL | Joint displaced, large | 00:03:21 | 10 | 1 / 4 |
| | 21.85 | JN | Junction at 3 o'clock, 100mm dia | 00:03:25 | | |
| | 22.09 | DEEJ | Attached deposits, encrustation at joint from 4 o'clock to 5 o'clock, 20% cross-sectional area loss | 00:03:33 | 11 | 3 |
| | 22.09 | JDL | Joint displaced, large | 00:03:35 | 12 | 1 / 4 |
| | 23.36 | JDM | Joint displaced, medium | 00:03:49 | 13 | 1 / 3 |
| | 24.41 | JN | Junction at 12 o'clock, 100mm dia | 00:03:59 | | |
| | 25.79 | JDM | Joint displaced, medium | 00:04:15 | 14 | 1 / 3 |
| | 26.53 | LL | Line deviates left | 00:04:21 | | |
| | 26.92 | DEC | Settled deposits, hard or compacted, 60% cross-sectional area loss | 00:04:47 | 15 | 4 |
| | 26.92 | OCF | Finish node, other special chamber, reference: 1C: HEAD OF RUN | 00:04:49 | 16 | |

| Construction Features | | | | | Miscellaneous Features | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| STR No. Def | STR Peak | STR Mean | STR Total | STR Grade | SER No. Def | SER Peak | SER Mean | SER Total | SER Grade |
| 13 | 40.0 | 2.0 | 54.0 | 3.0 | 15 | 8.0 | 1.5 | 41.0 | 4.0 |

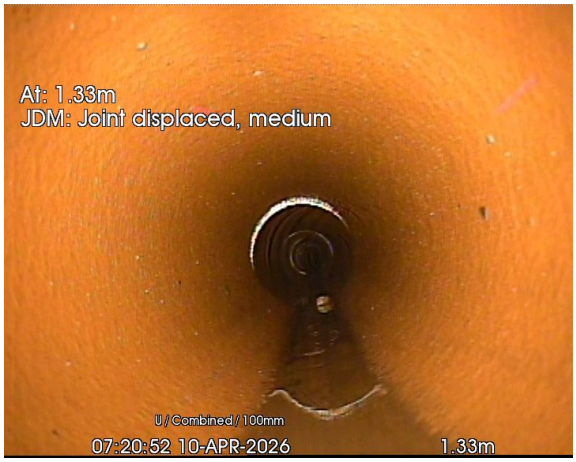
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# Section Pictures - 10/04/2026 - 1CX

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 3 | Upstream | 1CX | Toughsheet Bolton | |




1, 00:00:29, 0.61 m
Fracture, circumferential at joint from 12 o'clock to 3 o'clock




2, 00:00:38, 1.33 m
Joint displaced, medium




3, 00:00:58, 3.79 m
Joint displaced, medium



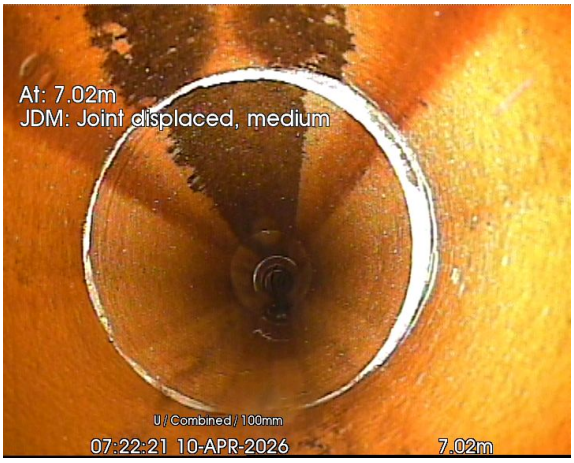

4, 00:01:25, 6.44 m
Joint displaced, medium

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# Section Pictures - 10/04/2026 - 1CX

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 3 | Upstream | 1CX | Toughsheet Bolton | |



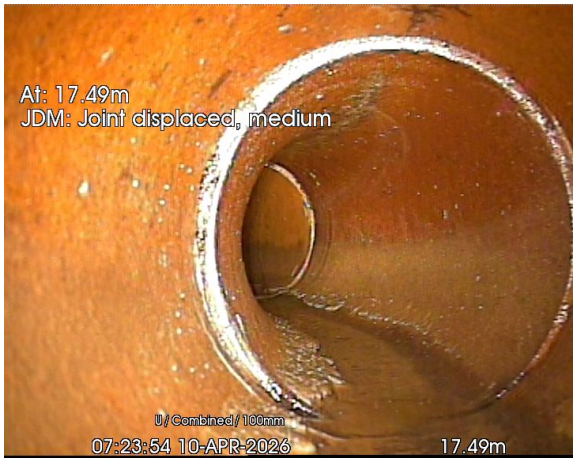

5, 00:01:31, 7.02 m
Joint displaced, medium




6, 00:02:16, 13.88 m
Joint displaced, medium




7, 00:02:21, 14.59 m
Joint displaced, medium




8, 00:02:48, 17.49 m
Joint displaced, medium

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# Section Pictures - 10/04/2026 - 1CX

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 3 | Upstream | 1CX | Toughsheet Bolton | |




9, 00:02:58, 18.50 m
Joint displaced, medium




10, 00:03:21, 21.41 m
Joint displaced, large




11, 00:03:33, 22.09 m
Attached deposits, encrustation at joint from 4 o'clock to 5 o'clock, 20% cross-sectional area loss




12, 00:03:35, 22.09 m
Joint displaced, large

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# Section Pictures - 10/04/2026 - 1CX

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 3 | Upstream | 1CX | Toughsheet Bolton | |




13, 00:03:49, 23.36 m
Joint displaced, medium




14, 00:04:15, 25.79 m
Joint displaced, medium




15, 00:04:47, 26.92 m
Settled deposits, hard or compacted, 60% cross-sectional area loss




16, 00:04:49, 26.92 m
Finish node, other special chamber, reference: 1C, HEAD OF RUN

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# Section Inspection - 10/04/2026 - MH1X

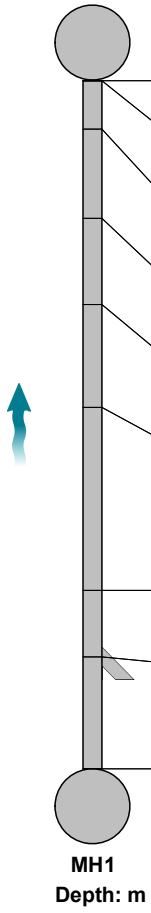
| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 4 | 4 | 10/04/26 | 7:34 | Toughsheet Bolton | No Rain Or Snow | Yes | MH1X |

| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Upstream | **Upstream Node:** | MH1 |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 4.55 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 4.55 m | **Downstream Node:** | MH2 |
| **Surface Type:** | | **Joint Length:** | | **Downstream Pipe Depth:** | |

| | | | |
|---|---|---|---|
| **Use:** | Combined | **Pipe Shape:** | Circular |
| **Type of Pipe:** | Gravity drain/sewer | **Dia/Height:** | 100 mm |
| **Flow Control:** | No flow control | **Material:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**




| Scale: 1:50 Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| 0.00 | MH | Start node, manhole, reference: MH2 | 00:00:03 | | |
| 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:04 | | |
| 0.32 | FCJ | Fracture, circumferential at joint from 10 o'clock to 2 o'clock | 00:00:08 | 1 | 3 / 2 |
| 0.91 | JDM | Joint displaced, medium | 00:00:14 | 2 | 1 / 3 |
| 1.48 | JDM | Joint displaced, medium | 00:00:20 | 3 | 1 / 3 |
| 2.16 | JDM | Joint displaced, medium | 00:00:24 | 4 | 1 / 3 |
| 3.37 | JDM | Joint displaced, medium | 00:00:34 | 5 | 1 / 3 |
| 3.81 | JN | Junction at 10 o'clock, 100mm dia | 00:00:38 | | |
| 4.55 | MHF | Finish node, manhole, reference: MH1 | 00:00:49 | | |

| Construction Features | | | | | Miscellaneous Features | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| **STR No. Def** | **STR Peak** | **STR Mean** | **STR Total** | **STR Grade** | **SER No. Def** | **SER Peak** | **SER Mean** | **SER Total** | **SER Grade** |
| 5 | 40.0 | 9.7 | 44.0 | 3.0 | 5 | 2.0 | 2.0 | 9.0 | 3.0 |

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# Section Pictures - 10/04/2026 - MH1X

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 4 | Upstream | MH1X | Toughsheet Bolton | |




1, 00:00:08, 0.32 m
Fracture, circumferential at joint from 10 o'clock to 2 o'clock




2, 00:00:14, 0.91 m
Joint displaced, medium




3, 00:00:20, 1.48 m
Joint displaced, medium

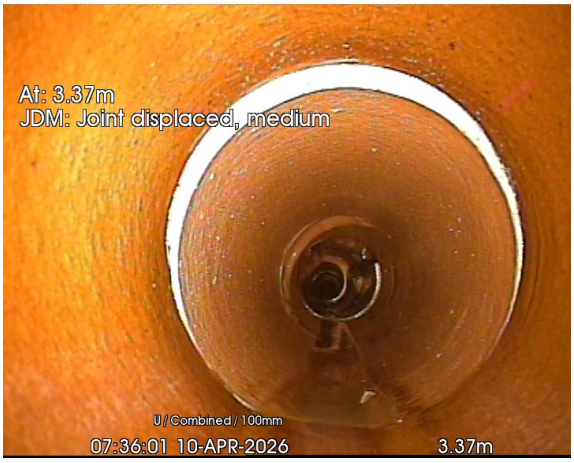



4, 00:00:24, 2.16 m
Joint displaced, medium

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# Section Pictures - 10/04/2026 - MH1X

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 4 | Upstream | MH1X | Toughsheet Bolton | |




5, 00:00:34, 3.37 m
Joint displaced, medium

NorthWest DrainServices

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# Section Inspection - 10/04/2026 - MH2X

| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 5 | 5 | 10/04/26 | 8:01 | Toughsheet Bolton | No Rain Or Snow | Yes | MH2X |

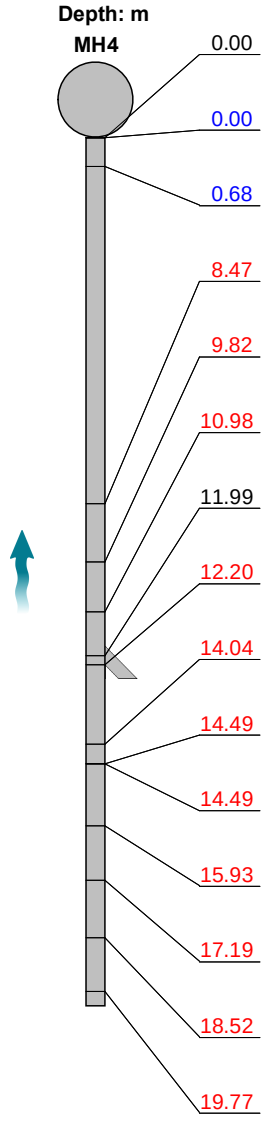
| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Upstream | **Upstream Node:** | MH2 |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 20.43 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 20.43 m | **Downstream Node:** | MH4 |
| **Surface Type:** | | **Joint Length:** | | **Downstream Pipe Depth:** | |

| | | | |
|---|---|---|---|
| **Use:** | Combined | **Pipe Shape:** | Circular |
| **Type of Pipe:** | Gravity drain/sewer | **Dia/Height:** | 100 mm |
| **Flow Control:** | No flow control | **Material:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**

**Scale: 1:175**




| Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| 0.00 | MH | Start node, manhole, reference: MH4 | 00:00:03 | | |
| 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:05 | | |
| 0.68 | REM | General remark: PATCH IN LINE | 00:00:17 | 1 | |
| 8.47 | FCJ | Fracture, circumferential at joint from 6 o'clock to 8 o'clock | 00:01:24 | 2 | 3 / 2 |
| 9.82 | FCJ | Fracture, circumferential at joint from 3 o'clock to 6 o'clock | 00:01:45 | 3 | 3 / 2 |
| 10.98 | JDM | Joint displaced, medium | 00:01:56 | 4 | 1 / 3 |
| 11.99 | JN | Junction at 10 o'clock, 100mm dia: WASTE GULLY | 00:02:03 | 5 | |
| 12.20 | JDM | Joint displaced, medium | 00:02:06 | 6 | 1 / 3 |
| 14.04 | JDM | Joint displaced, medium | 00:02:23 | 7 | 1 / 3 |
| 14.49 | JDM | Joint displaced, medium | 00:02:40 | 8 | 1 / 3 |
| 14.49 | FCJ | Fracture, circumferential at joint from 9 o'clock to 12 o'clock | 00:02:42 | 9 | 3 / 2 |
| 15.93 | JDM | Joint displaced, medium | 00:02:59 | 10 | 1 / 3 |
| 17.19 | JDM | Joint displaced, medium | 00:03:09 | 11 | 1 / 3 |
| 18.52 | JDM | Joint displaced, medium | 00:03:21 | 12 | 1 / 3 |
| 19.77 | JDM | Joint displaced, medium | 00:03:31 | 13 | 1 / 3 |

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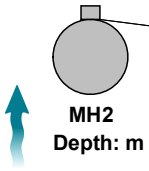
**North West Drain Services Ltd**
*Unit G10 Falcon mill, Bolton*
*Tel. 07756631110 / 07429611080*
*drainservices@googlemail.com*

# Section Inspection - 10/04/2026 - MH2X

| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 5 | 5 | 10/04/26 | 8:01 | Toughsheet Bolton | No Rain Or Snow | Yes | MH2X |

| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| Scale: 1:175 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|---|
| | 20.43 | MHF | Finish node, manhole, reference: MH2 | 00:03:36 | | |




| Construction Features | | | | | Miscellaneous Features | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| STR No. Def | STR Peak | STR Mean | STR Total | STR Grade | SER No. Def | SER Peak | SER Mean | SER Total | SER Grade |
| 11 | 41.0 | 6.3 | 128.0 | 3.0 | 11 | 3.0 | 0.9 | 19.0 | 3.0 |

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# Section Pictures - 10/04/2026 - MH2X

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 5 | Upstream | MH2X | Toughsheet Bolton | |




1, 00:00:17, 0.68 m
General remark, PATCH IN LINE




2, 00:01:24, 8.47 m
Fracture, circumferential at joint from 6 o'clock to 8 o'clock




3, 00:01:45, 9.82 m
Fracture, circumferential at joint from 3 o'clock to 6 o'clock



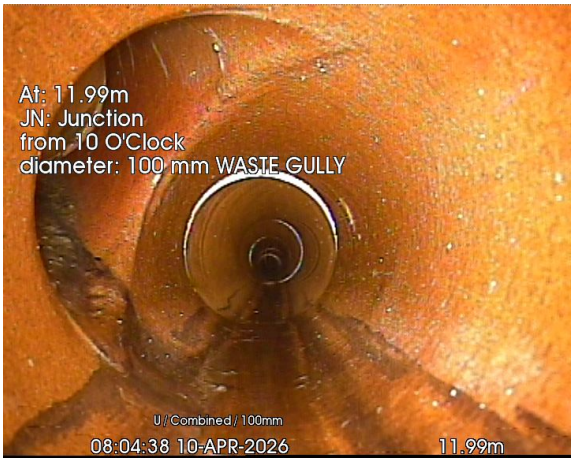

4, 00:01:56, 10.98 m
Joint displaced, medium

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# Section Pictures - 10/04/2026 - MH2X

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 5 | Upstream | MH2X | Toughsheet Bolton | |




5, 00:02:03, 11.99 m
Junction at 10 o'clock, 100mm dia, WASTE GULLY




6, 00:02:06, 12.20 m
Joint displaced, medium




7, 00:02:23, 14.04 m
Joint displaced, medium




8, 00:02:40, 14.49 m
Joint displaced, medium

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*drainservices@googlemail.com*

# Section Pictures - 10/04/2026 - MH2X

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 5 | Upstream | MH2X | Toughsheet Bolton | |




9, 00:02:42, 14.49 m
Fracture, circumferential at joint from 9 o'clock to 12 o'clock




10, 00:02:59, 15.93 m
Joint displaced, medium




11, 00:03:09, 17.19 m
Joint displaced, medium




12, 00:03:21, 18.52 m
Joint displaced, medium

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# Section Pictures - 10/04/2026 - MH2X

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 5 | Upstream | MH2X | Toughsheet Bolton | |




13, 00:03:31, 19.77 m
Joint displaced, medium

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# Section Inspection - 10/04/2026 - 5AX

| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 6 | 6 | 10/04/26 | 8:17 | Toughsheet Bolton | No Rain Or Snow | Yes | 5AX |

| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Upstream | **Upstream Node:** | 5A |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 19.68 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 19.68 m | **Downstream Node:** | MH5 |
| **Surface Type:** | | **Joint Length:** | | **Downstream Pipe Depth:** | |

| | | | |
|---|---|---|---|
| **Use:** | Combined | **Pipe Shape:** | Circular |
| **Type of Pipe:** | Gravity drain/sewer | **Dia/Height:** | 100 mm |
| **Flow Control:** | No flow control | **Material:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**

**Scale: 1:105**




| Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| 0.00 | MH | Start node, manhole, reference: MH5 | 00:00:03 | | |
| 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:06 | | |
| 1.09 | JDM | Joint displaced, medium | 00:00:24 | 1 | 1 / 3 |
| 2.10 | JDM | Joint displaced, medium | 00:00:35 | 2 | 1 / 3 |
| 3.44 | FCJ | Fracture, circumferential at joint from 10 o'clock to 11 o'clock | 00:00:48 | 3 | 3 / 2 |
| 4.73 | JDM | Joint displaced, medium | 00:00:57 | 4 | 1 / 3 |
| 5.05 | JN | Junction at 12 o'clock, 100mm dia | 00:01:07 | | |
| 5.11 | JDM | Joint displaced, medium | 00:01:11 | 5 | 1 / 3 |
| 6.99 | JDM | Joint displaced, medium | 00:01:27 | 6 | 1 / 3 |
| 8.22 | JDM | Joint displaced, medium | 00:01:36 | 7 | 1 / 3 |
| 8.22 | FCJ | Fracture, circumferential at joint from 2 o'clock to 5 o'clock | 00:01:39 | 8 | 3 / 2 |
| 9.61 | JDM | Joint displaced, medium | 00:01:51 | 9 | 1 / 3 |
| 10.66 | JDM | Joint displaced, medium | 00:01:59 | 10 | 1 / 3 |
| 11.05 | JN | Junction at 12 o'clock, 100mm dia | 00:02:03 | | |
| 11.86 | JDL | Joint displaced, large | 00:02:13 | 11 | 1 / 4 |

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# Section Inspection - 10/04/2026 - 5AX

| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 6 | 6 | 10/04/26 | 8:17 | Toughsheet Bolton | No Rain Or Snow | Yes | 5AX |

| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

Scale: 1:105




| Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| 12.23 | JDM | Joint displaced, medium | 00:02:18 | 12 | 1 / 3 |
| 12.66 | JN | Junction at 3 o'clock, 100mm dia | 00:02:23 | | |
| 12.85 | JDL | Joint displaced, large | 00:02:28 | 13 | 1 / 4 |
| 13.64 | JDM | Joint displaced, medium | 00:02:34 | 14 | 1 / 3 |
| 14.26 | JDM | Joint displaced, medium | 00:02:43 | 15 | 1 / 3 |
| 15.96 | JDM | Joint displaced, medium | 00:02:58 | 16 | 1 / 3 |
| 18.19 | JDM | Joint displaced, medium | 00:03:26 | 17 | 1 / 3 |
| 18.96 | JDM | Joint displaced, medium | 00:03:33 | 18 | 1 / 3 |
| 19.68 | MHF | Finish node, manhole, reference: 5A: MH6 | 00:03:40 | | |

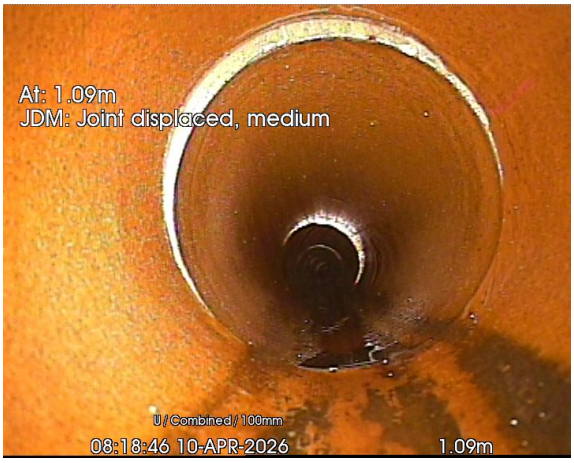
| Construction Features | | | | | Miscellaneous Features | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| STR No. Def | STR Peak | STR Mean | STR Total | STR Grade | SER No. Def | SER Peak | SER Mean | SER Total | SER Grade |
| 18 | 41.0 | 5.0 | 98.0 | 3.0 | 18 | 5.0 | 2.0 | 40.0 | 4.0 |

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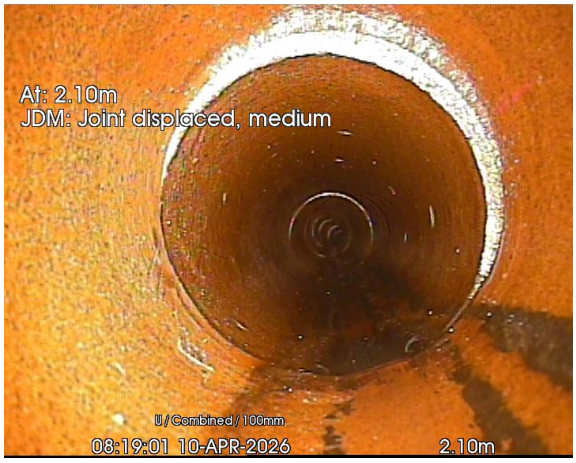
**North West Drain Services Ltd**
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# Section Pictures - 10/04/2026 - 5AX

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 6 | Upstream | 5AX | Toughsheet Bolton | |




1, 00:00:24, 1.09 m
Joint displaced, medium




2, 00:00:35, 2.10 m
Joint displaced, medium




3, 00:00:48, 3.44 m
Fracture, circumferential at joint from 10 o'clock to 11 o'clock



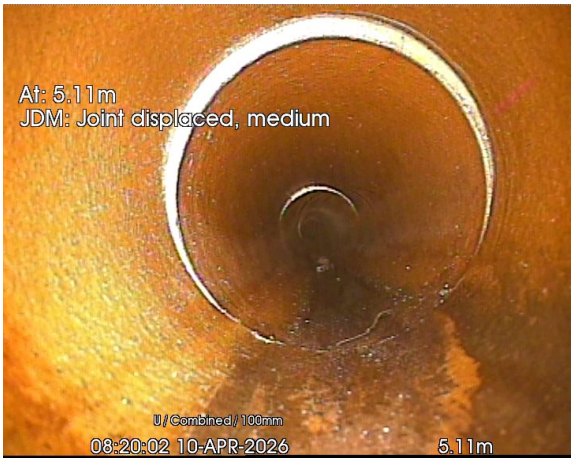

4, 00:00:57, 4.73 m
Joint displaced, medium

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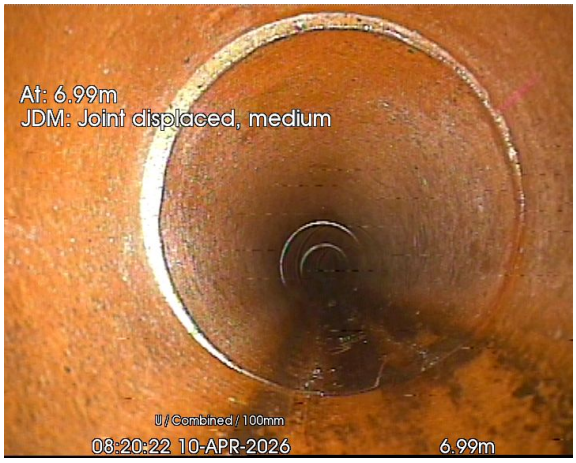
**North West Drain Services Ltd**
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*drainservices@googlemail.com*

# Section Pictures - 10/04/2026 - 5AX

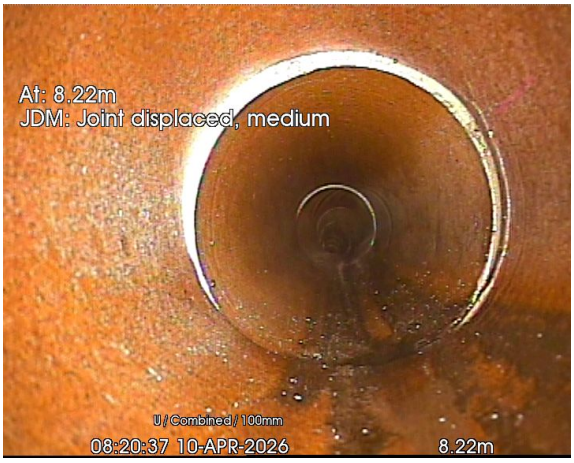
| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 6 | Upstream | 5AX | Toughsheet Bolton | |




5, 00:01:11, 5.11 m
Joint displaced, medium




6, 00:01:27, 6.99 m
Joint displaced, medium




7, 00:01:36, 8.22 m
Joint displaced, medium




8, 00:01:39, 8.22 m
Fracture, circumferential at joint from 2 o'clock to 5 o'clock

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# Section Pictures - 10/04/2026 - 5AX

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 6 | Upstream | 5AX | Toughsheet Bolton | |




9, 00:01:51, 9.61 m
Joint displaced, medium




10, 00:01:59, 10.66 m
Joint displaced, medium




11, 00:02:13, 11.86 m
Joint displaced, large

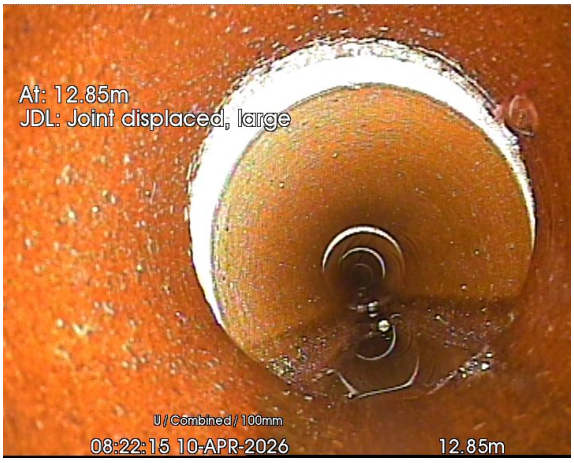



12, 00:02:18, 12.23 m
Joint displaced, medium

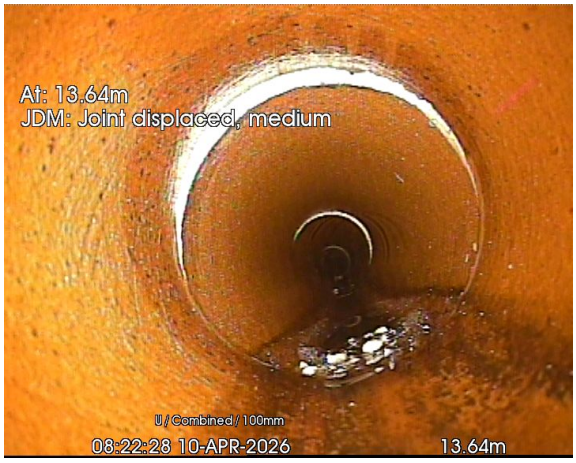
**North West Drain Services Ltd**
*Unit G10 Falcon mill, Bolton*
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*drainservices@googlemail.com*

# Section Pictures - 10/04/2026 - 5AX

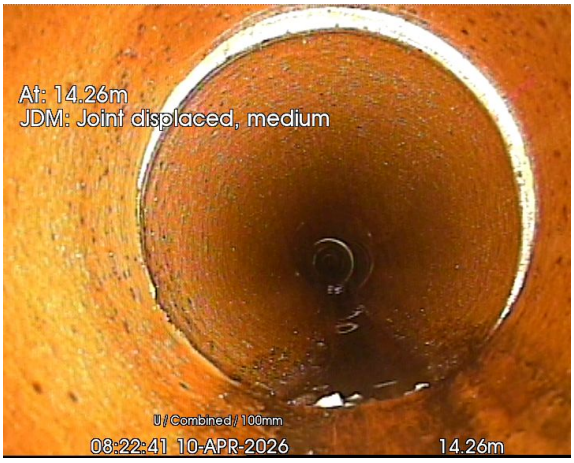
| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 6 | Upstream | 5AX | Toughsheet Bolton | |



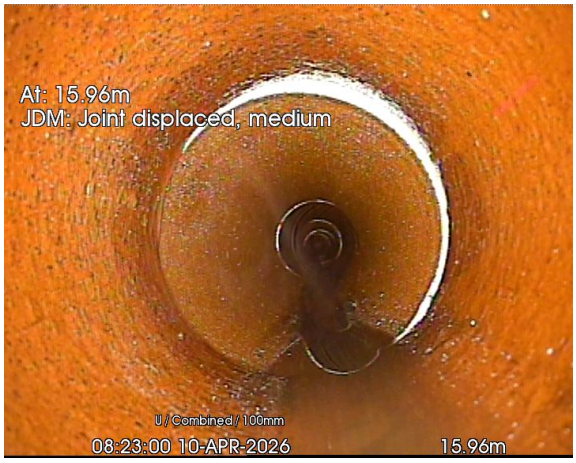

13, 00:02:28, 12.85 m
Joint displaced, large




14, 00:02:34, 13.64 m
Joint displaced, medium




15, 00:02:43, 14.26 m
Joint displaced, medium




16, 00:02:58, 15.96 m
Joint displaced, medium

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# Section Pictures - 10/04/2026 - 5AX

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 6 | Upstream | 5AX | Toughsheet Bolton | |




17, 00:03:26, 18.19 m
Joint displaced, medium




18, 00:03:33, 18.96 m
Joint displaced, medium

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# Section Inspection - 10/04/2026 - 5BX

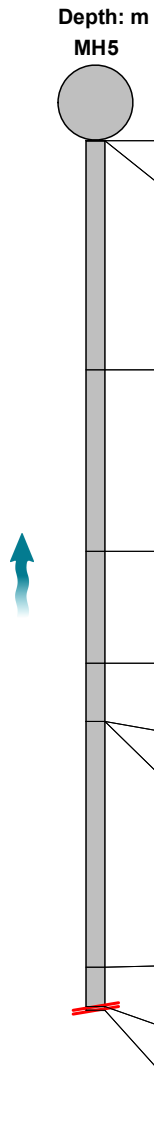
| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 7 | 7 | 10/04/26 | 8:30 | Toughsheet Bolton | No Rain Or Snow | Yes | 5BX |

| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Upstream | **Upstream Node:** | 5B |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 9.55 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 9.55 m | **Downstream Node:** | MH5 |
| **Surface Type:** | | **Joint Length:** | | **Downstream Pipe Depth:** | |

| | | | |
|---|---|---|---|
| **Use:** | Combined | **Pipe Shape:** | Circular |
| **Type of Pipe:** | Gravity drain/sewer | **Dia/Height:** | 100 mm |
| **Flow Control:** | No flow control | **Material:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**




| Scale: 1:83 Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| 0.00 | MH | Start node, manhole, reference: MH5 | 00:00:03 | | |
| 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:05 | | |
| 2.52 | JDM | Joint displaced, medium | 00:00:26 | 1 | 1 / 3 |
| 4.51 | FCJ | Fracture, circumferential at joint from 10 o'clock to 2 o'clock | 00:00:50 | 2 | 3 / 2 |
| 5.74 | FCJ | Fracture, circumferential at joint from 10 o'clock to 2 o'clock | 00:01:00 | 3 | 3 / 2 |
| 6.38 | JDM | Joint displaced, medium | 00:01:06 | 4 | 1 / 3 |
| 6.38 | FCJ | Fracture, circumferential at joint from 12 o'clock to 3 o'clock | 00:01:08 | 5 | 3 / 2 |
| 9.08 | JDM | Joint displaced, medium | 00:01:27 | 6 | 1 / 3 |
| 9.51 | B | Broken pipe at 12 o'clock | 00:01:33 | 7 | 4 |
| 9.55 | SA | Survey abandoned: DUE TO BROKEN PIPE | 00:01:36 | 8 | |

| Construction Features | | | | | Miscellaneous Features | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| **STR No. Def** | **STR Peak** | **STR Mean** | **STR Total** | **STR Grade** | **SER No. Def** | **SER Peak** | **SER Mean** | **SER Total** | **SER Grade** |
| 7 | 80.0 | 21.3 | 203.0 | 4.0 | 6 | 3.0 | 0.9 | 9.0 | 3.0 |

NorthWest DrainServices

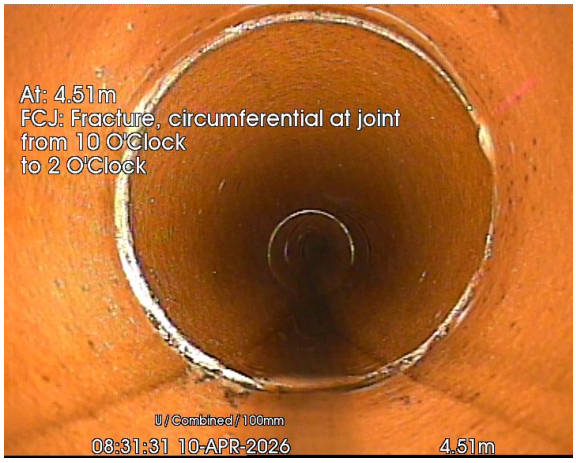
**North West Drain Services Ltd**
*Unit G10 Falcon mill, Bolton*
*Tel. 07756631110 / 07429611080*
*drainservices@googlemail.com*

# Section Pictures - 10/04/2026 - 5BX

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 7 | Upstream | 5BX | Toughsheet Bolton | |



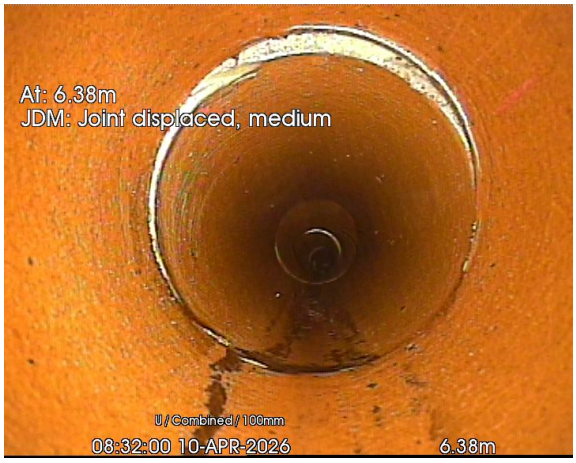

1, 00:00:26, 2.52 m
Joint displaced, medium




2, 00:00:50, 4.51 m
Fracture, circumferential at joint from 10 o'clock to 2 o'clock




3, 00:01:00, 5.74 m
Fracture, circumferential at joint from 10 o'clock to 2 o'clock




4, 00:01:06, 6.38 m
Joint displaced, medium

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# Section Pictures - 10/04/2026 - 5BX

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 7 | Upstream | 5BX | Toughsheet Bolton | |



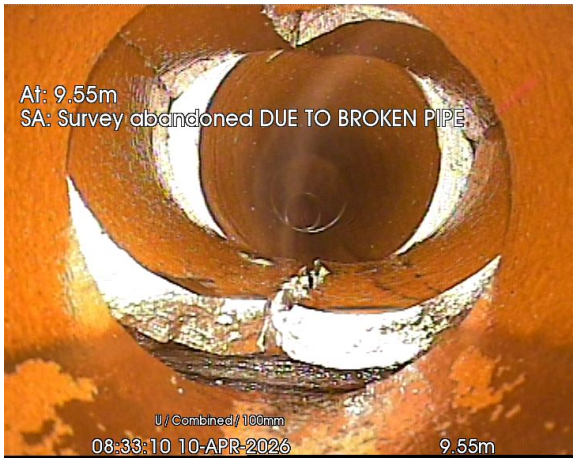

5, 00:01:08, 6.38 m
Fracture, circumferential at joint from 12 o'clock to 3 o'clock




6, 00:01:27, 9.08 m
Joint displaced, medium




7, 00:01:33, 9.51 m
Broken pipe at 12 o'clock




8, 00:01:36, 9.55 m
Survey abandoned, DUE TO BROKEN PIPE

NorthWest DrainServices

**North West Drain Services Ltd**
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# Section Inspection - 10/04/2026 - MH5X

| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 8 | 8 | 10/04/26 | 9:02 | Toughsheet Bolton | No Rain Or Snow | Yes | MH5X |

| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Downstream | **Upstream Node:** | MH5 |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 13.92 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 13.92 m | **Downstream Node:** | MH8 |
| **Surface Type:** | | **Joint Length:** | | **Downstream Pipe Depth:** | |

| | | | |
|---|---|---|---|
| **Use:** | Combined | **Pipe Shape:** | Circular |
| **Type of Pipe:** | Gravity drain/sewer | **Dia/Height:** | 100 mm |
| **Flow Control:** | No flow control | **Material:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**



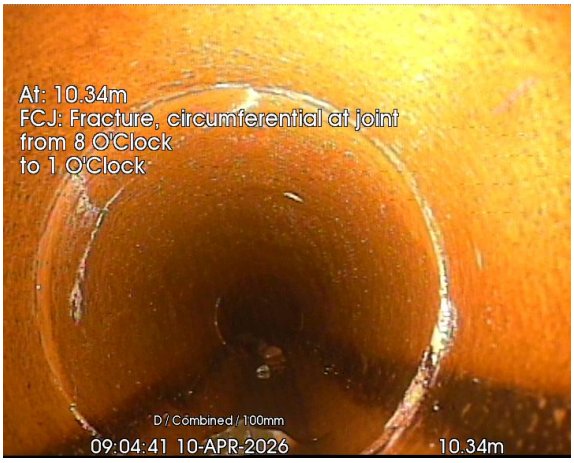
| Scale: 1:121 Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| Depth: m<br>MH5 | | | | | |
| 0.00 | MH | Start node, manhole, reference: MH5 | 00:00:04 | | |
| 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:07 | | |
| 10.34 | FCJ | Fracture, circumferential at joint from 8 o'clock to 1 o'clock | 00:01:06 | 1 | 3 / 2 |
| 11.75 | FCJ | Fracture, circumferential at joint from 7 o'clock to 2 o'clock | 00:01:16 | 2 | 3 / 2 |
| 12.97 | FCJ | Fracture, circumferential at joint from 4 o'clock to 10 o'clock | 00:01:34 | 3 | 3 / 2 |
| 13.49 | FC | Fracture, circumferential from 7 o'clock to 5 o'clock | 00:01:41 | 4 | 3 / 2 |
| 13.92 | MHF | Finish node, manhole, reference: MH8: BURIED | 00:01:49 | | |
| MH8<br>Depth: m | | | | | |

| Construction Features | | | | | Miscellaneous Features | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| **STR No. Def** | **STR Peak** | **STR Mean** | **STR Total** | **STR Grade** | **SER No. Def** | **SER Peak** | **SER Mean** | **SER Total** | **SER Grade** |
| 4 | 40.0 | 11.5 | 160.0 | 3.0 | 4 | 1.0 | 0.3 | 4.0 | 2.0 |

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# Section Pictures - 10/04/2026 - MH5X

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 8 | Downstream | MH5X | Toughsheet Bolton | |




1, 00:01:06, 10.34 m
Fracture, circumferential at joint from 8 o'clock to 1 o'clock




2, 00:01:16, 11.75 m
Fracture, circumferential at joint from 7 o'clock to 2 o'clock




3, 00:01:34, 12.97 m
Fracture, circumferential at joint from 4 o'clock to 10 o'clock




4, 00:01:41, 13.49 m
Fracture, circumferential from 7 o'clock to 5 o'clock

NorthWest DrainServices

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# Section Inspection - 10/04/2026 - 9AX

| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 9 | 9 | 10/04/26 | 9:19 | Toughsheet Bolton | No Rain Or Snow | Yes | 9AX |

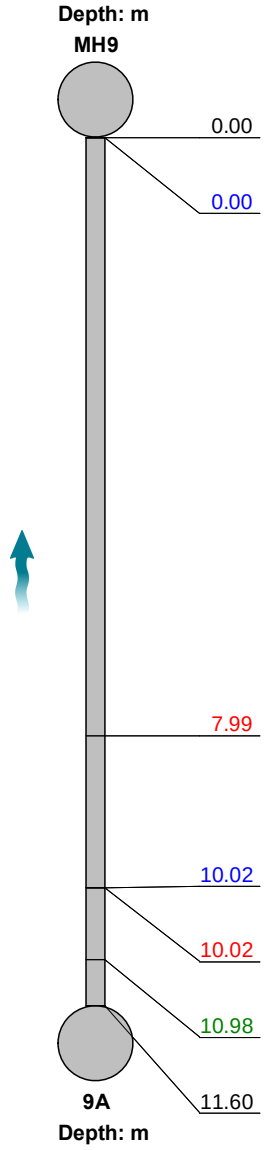
| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Upstream | **Upstream Node:** | 9A |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 11.60 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 11.60 m | **Downstream Node:** | MH9 |
| **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:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**

**Scale: 1:101**




| Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| 0.00 | MH | Start node, manhole, reference: MH9 | 00:00:04 | | |
| 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:04 | | |
| 7.99 | JDM | Joint displaced, medium | 00:01:15 | 1 | 1 / 3 |
| 10.02 | WL | Water level, 30% of the vertical dimension | 00:01:33 | | |
| 10.02 | JDM | Joint displaced, medium | 00:01:36 | 2 | 1 / 3 |
| 10.98 | LL | Line deviates left | 00:01:47 | | |
| 11.60 | MHF | Finish node, manhole, reference: 9A: MH10 UTL | 00:01:54 | | |

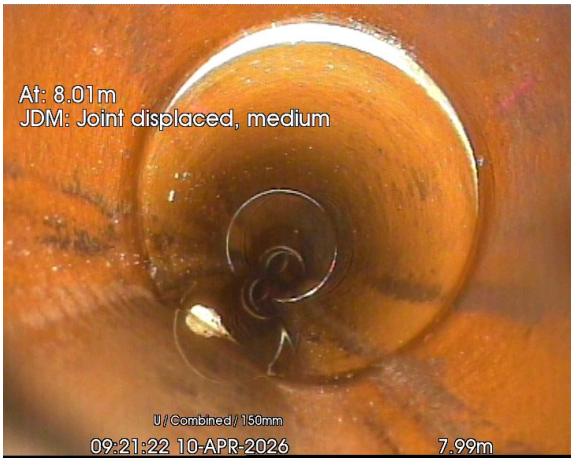
| Construction Features | | | | | Miscellaneous Features | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| **STR No. Def** | **STR Peak** | **STR Mean** | **STR Total** | **STR Grade** | **SER No. Def** | **SER Peak** | **SER Mean** | **SER Total** | **SER Grade** |
| 2 | 1.0 | 0.2 | 2.0 | 1.0 | 2 | 2.0 | 0.3 | 4.0 | 3.0 |

NorthWest DrainServices

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# Section Pictures - 10/04/2026 - 9AX

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 9 | Upstream | 9AX | Toughsheet Bolton | |




1, 00:01:15, 7.99 m
Joint displaced, medium




2, 00:01:36, 10.02 m
Joint displaced, medium

NorthWest DrainServices

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# Section Inspection - 10/04/2026 - MH9X

| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 10 | 10 | 10/04/26 | 9:55 | Toughsheet Bolton | No Rain Or Snow | Yes | MH9X |

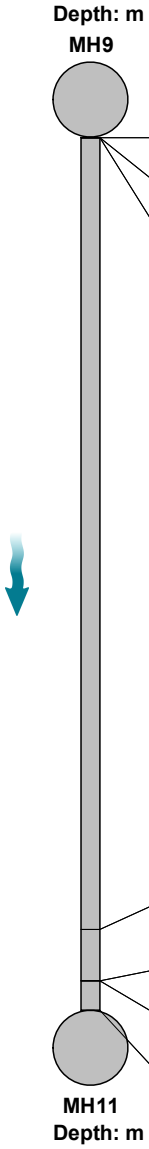
| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Downstream | **Upstream Node:** | MH9 |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 26.55 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 26.55 m | **Downstream Node:** | MH11 |
| **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:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**

**Scale: 1:230**




| Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| 0.00 | MH | Start node, manhole, reference: MH9 | 00:00:06 | | |
| 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:07 | | |
| 0.00 | FCJ | Fracture, circumferential at joint from 2 o'clock to 5 o'clock | 00:00:12 | 1 | 3 / 2 |
| 24.10 | JDM | Joint displaced, medium | 00:03:23 | 2 | 1 / 3 |
| 25.66 | LL | Line deviates left | 00:03:33 | | |
| 25.66 | JDL | Joint displaced, large | 00:03:33 | 3 | 1 / 4 |
| 26.55 | MHF | Finish node, manhole, reference: MH11: UTR SEIZED | 00:04:13 | | |

| Construction Features | | | | | Miscellaneous Features | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| **STR No. Def** | **STR Peak** | **STR Mean** | **STR Total** | **STR Grade** | **SER No. Def** | **SER Peak** | **SER Mean** | **SER Total** | **SER Grade** |
| 3 | 40.0 | 1.6 | 43.0 | 3.0 | 3 | 5.0 | 0.3 | 8.0 | 4.0 |

NorthWest DrainServices

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# Section Pictures - 10/04/2026 - MH9X

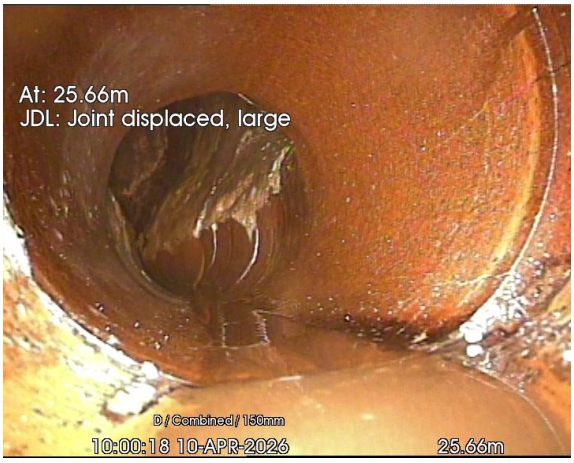
| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 10 | Downstream | MH9X | Toughsheet Bolton | |




1, 00:00:12, 0.00 m
Fracture, circumferential at joint from 2 o'clock to 5 o'clock




2, 00:03:23, 24.10 m
Joint displaced, medium




3, 00:03:33, 25.66 m
Joint displaced, large

NorthWest DrainServices

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# Section Inspection - 10/04/2026 - MH4X

| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 11 | 11 | 10/04/26 | 10:20 | Toughsheet Bolton | No Rain Or Snow | Yes | MH4X |

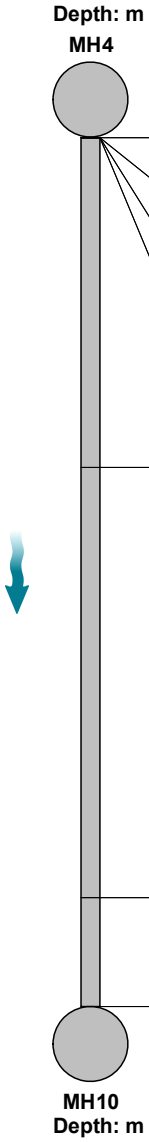
| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Downstream | **Upstream Node:** | MH4 |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 21.84 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 21.84 m | **Downstream Node:** | MH10 |
| **Surface Type:** | | **Joint Length:** | | **Downstream Pipe Depth:** | |

| | | | |
|---|---|---|---|
| **Use:** | Combined | **Pipe Shape:** | Circular |
| **Type of Pipe:** | Gravity drain/sewer | **Dia/Height:** | 100 mm |
| **Flow Control:** | No flow control | **Material:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**

**Scale: 1:190**



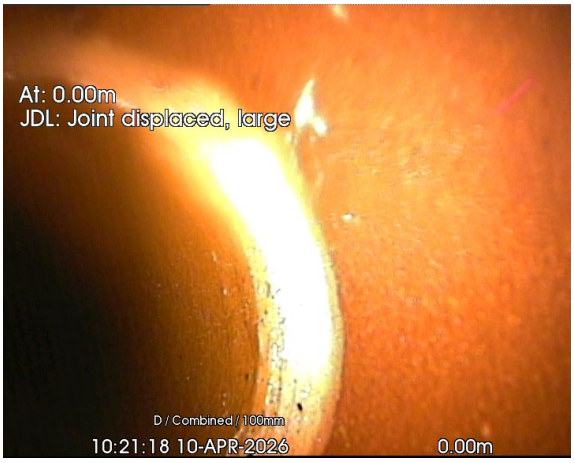

| Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| 0.00 | MH | Start node, manhole, reference: MH4 | 00:00:02 | | |
| 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:03 | | |
| 0.00 | LL | Line deviates left | 00:00:03 | | |
| 0.00 | JDL | Joint displaced, large | 00:00:06 | 1 | 1 / 4 |
| 8.29 | JDM | Joint displaced, medium | 00:01:02 | 2 | 1 / 3 |
| 19.10 | DEEJ | Attached deposits, encrustation at joint from 7 o'clock to 5 o'clock, 20% cross-sectional area loss | 00:02:17 | 3 | 3 |
| 21.84 | MHF | Finish node, manhole, reference: MH10 | 00:02:34 | | |

| Construction Features | | | | | Miscellaneous Features | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| **STR No. Def** | **STR Peak** | **STR Mean** | **STR Total** | **STR Grade** | **SER No. Def** | **SER Peak** | **SER Mean** | **SER Total** | **SER Grade** |
| 2 | 2.0 | 0.1 | 3.0 | 1.0 | 3 | 5.0 | 0.4 | 9.0 | 4.0 |

**North West Drain Services Ltd**
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# Section Pictures - 10/04/2026 - MH4X

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 11 | Downstream | MH4X | Toughsheet Bolton | |




1, 00:00:06, 0.00 m
Joint displaced, large




2, 00:01:02, 8.29 m
Joint displaced, medium




3, 00:02:17, 19.10 m
Attached deposits, encrustation at joint from 7 o'clock to 5 o'clock, 20% cross-sectional area loss

North West Drain Services Ltd
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# Section Inspection - 10/04/2026 - 13AX

| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 12 | 12 | 10/04/26 | 11:30 | Toughsheet Bolton | No Rain Or Snow | Yes | 13AX |

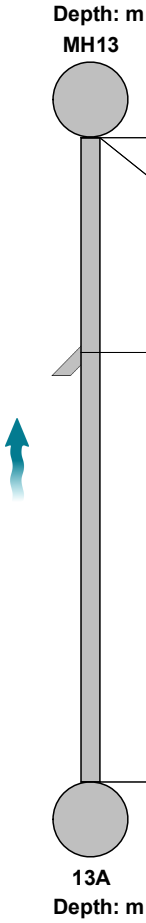
| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Upstream | **Upstream Node:** | 13A |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 4.26 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 4.26 m | **Downstream Node:** | MH13 |
| **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:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**

**Scale: 1:50**




| Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| 0.00 | MH | Start node, manhole, reference: MH13 | 00:00:02 | | |
| 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:02 | | |
| 1.42 | JN | Junction at 3 o'clock, 100mm dia | 00:00:16 | | |
| 4.26 | GYF | Finish node, gully, reference: 13A: RWG | 00:00:40 | | |

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

NorthWest DrainServices

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# Section Inspection - 10/04/2026 - 13BX

| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 13 | 13 | 10/04/26 | 11:32 | Toughsheet Bolton | No Rain Or Snow | Yes | 13BX |

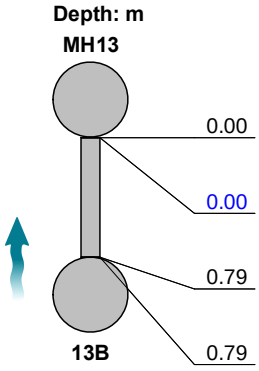
| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Upstream | **Upstream Node:** | 13B |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 0.79 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 0.79 m | **Downstream Node:** | MH13 |
| **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:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**

**Scale: 1:50**




| Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| 0.00 | MH | Start node, manhole, reference: MH13 | 00:00:01 | | |
| 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:01 | | |
| 0.79 | MHF | Finish node, manhole, reference: 13B | 00:00:10 | | |
| 0.79 | GYF | Finish node, gully, reference: 13B | 00:00:12 | | |

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

NorthWest DrainServices

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# Section Inspection - 10/04/2026 - 14AX

| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 14 | 14 | 10/04/26 | 13:18 | Toughsheet Bolton | No Rain Or Snow | Yes | 14AX |

| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Upstream | **Upstream Node:** | 14A |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 6.51 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 6.51 m | **Downstream Node:** | MH14 |
| **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:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**

| Scale: 1:57 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|---|
| Depth: m<br>MH14 | | | | | | |
| | 0.00 | MH | Start node, manhole, reference: MH14 | 00:00:02 | | |
| | 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:02 | | |
| | 1.28 | WL | Water level, 30% of the vertical dimension | 00:00:19 | | |
| | 6.51 | GYF | Finish node, gully, reference: 14A | 00:00:58 | | |
| 14A<br>Depth: m | | | | | | |

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

NorthWest DrainServices

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# Section Inspection - 10/04/2026 - 15AX

| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 15 | 15 | 10/04/26 | 13:30 | Toughsheet Bolton | No Rain Or Snow | Yes | 15AX |

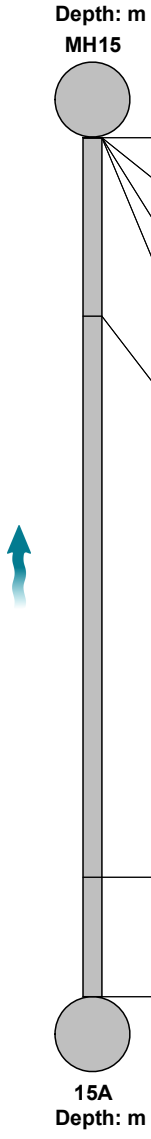
| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Upstream | **Upstream Node:** | 15A |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 5.91 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 5.91 m | **Downstream Node:** | MH15 |
| **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:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**

**Scale: 1:52**




| Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| 0.00 | MH | Start node, manhole, reference: MH15 | 00:00:03 | | |
| 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:04 | | |
| 0.00 | MH | Start node, manhole, reference: MH15 | 00:00:03 | | |
| 0.00 | WL | Water level, 10% of the vertical dimension | 00:00:03 | | |
| 1.23 | WL | Water level, 30% of the vertical dimension | 00:00:15 | | |
| 5.09 | XP | Collapsed drain or sewer: COLLAPSED ROD EYE | 00:00:29 | | 1 |
| 5.91 | GYF | Finish node, gully, reference: 15A | 00:00:32 | | |

| Construction Features | | | | | Miscellaneous Features | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| **STR No. Def** | **STR Peak** | **STR Mean** | **STR Total** | **STR Grade** | **SER No. Def** | **SER Peak** | **SER Mean** | **SER Total** | **SER Grade** |
| 1 | 0.0 | 0.0 | 0.0 | 1.0 | 0 | 0.0 | 0.0 | 0.0 | 1.0 |

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# Section Inspection - 10/04/2026 - GY1X

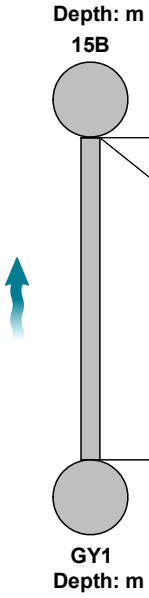
| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 16 | 16 | 10/04/26 | 13:49 | Toughsheet Bolton | No Rain Or Snow | Yes | GY1X |

| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Upstream | **Upstream Node:** | GY1 |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 2.13 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 2.13 m | **Downstream Node:** | 15B |
| **Surface Type:** | | **Joint Length:** | | **Downstream Pipe Depth:** | |

| | | | |
|---|---|---|---|
| **Use:** | Combined | **Pipe Shape:** | Circular |
| **Type of Pipe:** | Gravity drain/sewer | **Dia/Height:** | 100 mm |
| **Flow Control:** | No flow control | **Material:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**




| Scale: 1:50 Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| 0.00 | GY | Start node, gully, reference: 15B | 00:00:01 | | |
| 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:02 | | |
| 2.13 | GYF | Finish node, gully, reference: GY1 | 00:00:11 | | |

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

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# Section Inspection - 10/04/2026 - MH14X

| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 17 | 17 | 10/04/26 | 14:08 | Toughsheet Bolton | No Rain Or Snow | Yes | MH14X |

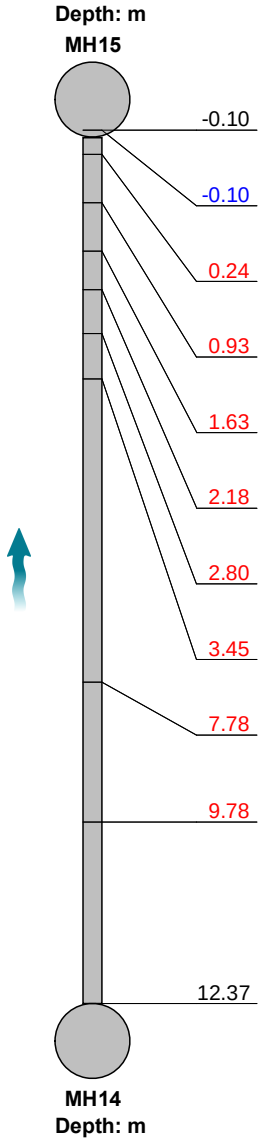
| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Upstream | **Upstream Node:** | MH14 |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 12.37 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 12.37 m | **Downstream Node:** | MH15 |
| **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:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**

**Scale: 1:108**




| Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| -0.10 | MH | Start node, manhole, reference: MH15 | 00:00:04 | | |
| -0.10 | WL | Water level, 15% of the vertical dimension | 00:00:04 | | |
| 0.24 | JDM | Joint displaced, medium | 00:00:13 | 1 | 1 / 3 |
| 0.93 | JDM | Joint displaced, medium | 00:00:19 | 2 | 1 / 3 |
| 1.63 | JDM | Joint displaced, medium | 00:00:23 | 3 | 1 / 3 |
| 2.18 | JDM | Joint displaced, medium | 00:00:36 | 4 | 1 / 3 |
| 2.80 | JDM | Joint displaced, medium | 00:00:41 | 5 | 1 / 3 |
| 3.45 | JDM | Joint displaced, medium | 00:00:44 | 6 | 1 / 3 |
| 7.78 | B | Broken pipe at 12 o'clock | 00:01:11 | 7 | 4 |
| 9.78 | B | Broken pipe at 12 o'clock | 00:01:20 | 8 | 4 |
| 12.37 | MHF | Finish node, manhole, reference: MH14 | 00:01:37 | | |

| Construction Features | | | | | Miscellaneous Features | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| **STR No. Def** | **STR Peak** | **STR Mean** | **STR Total** | **STR Grade** | **SER No. Def** | **SER Peak** | **SER Mean** | **SER Total** | **SER Grade** |
| 8 | 80.0 | 13.4 | 166.0 | 4.0 | 6 | 2.0 | 1.0 | 12.0 | 3.0 |

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# Section Pictures - 10/04/2026 - MH14X

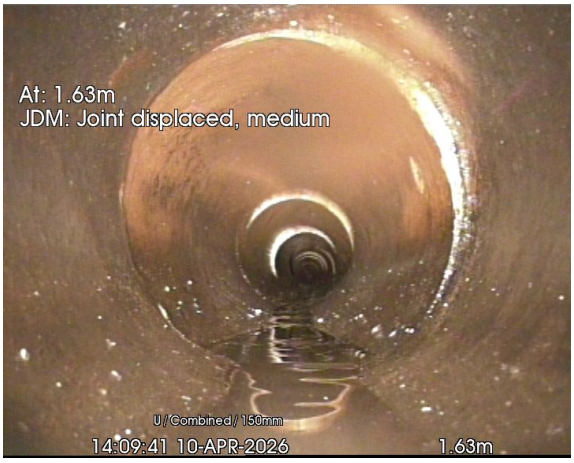
| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 17 | Upstream | MH14X | Toughsheet Bolton | |



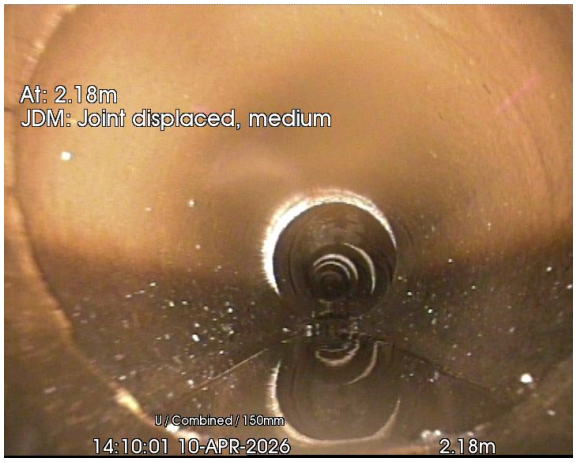

1, 00:00:13, 0.24 m
Joint displaced, medium




2, 00:00:19, 0.93 m
Joint displaced, medium




3, 00:00:23, 1.63 m
Joint displaced, medium



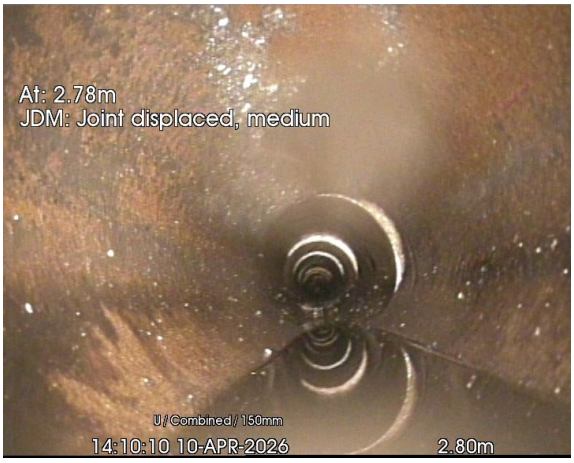

4, 00:00:36, 2.18 m
Joint displaced, medium

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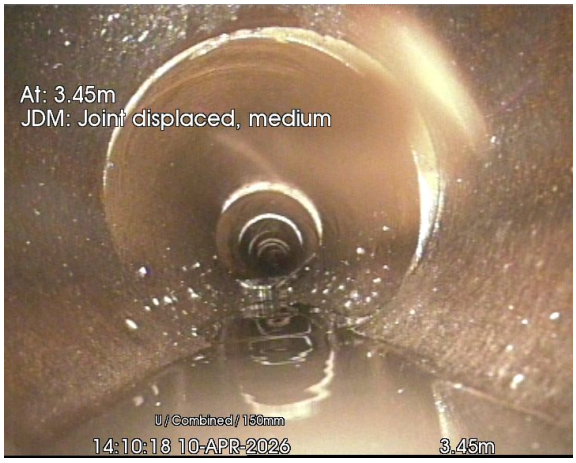
**North West Drain Services Ltd**
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# Section Pictures - 10/04/2026 - MH14X

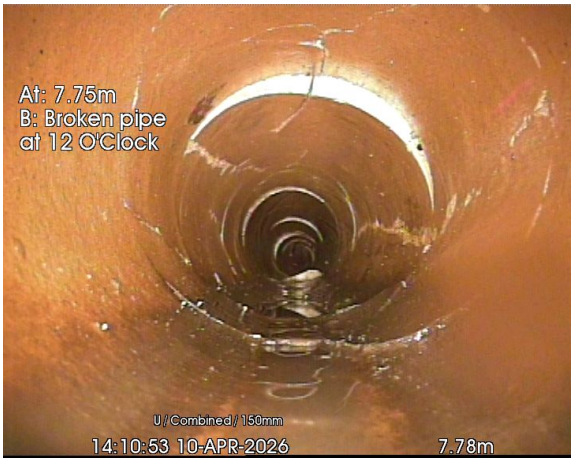
| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 17 | Upstream | MH14X | Toughsheet Bolton | |




5, 00:00:41, 2.80 m
Joint displaced, medium




6, 00:00:44, 3.45 m
Joint displaced, medium




7, 00:01:11, 7.78 m
Broken pipe at 12 o'clock




8, 00:01:20, 9.78 m
Broken pipe at 12 o'clock

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# Section Inspection - 13/04/2026 - MH15X

| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 18 | 18 | 13/04/26 | 8:31 | Toughsheet Bolton | No Rain Or Snow | Yes | MH15X |

| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Upstream | **Upstream Node:** | MH15 |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 29.54 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 29.54 m | **Downstream Node:** | MH16 |
| **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:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**



| Scale: 1:256 | Position [m] | | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|---|---|
| Depth: m | | | | | | | |
| MH16 | 0.00 | | MH | Start node, manhole, reference: MH16 | 00:00:03 | | |
| | 0.00 | | WL | Water level, 5% of the vertical dimension | 00:00:04 | | |
| | 0.00 | | JDM | Joint displaced, medium | 00:00:06 | 1 | 1 / 3 |
| | 0.21 | | OJL | Open joint, large | 00:00:50 | 2 | 1 |
| | 0.21 | | SC | Pipe size changes, new size(s), 100mm high | 00:00:51 | | |
| | 0.51 | | JN | Junction at 3 o'clock, 100mm dia | 00:00:11 | | |
| | 1.03 | | JDM | Joint displaced, medium | 00:01:07 | 3 | 1 / 3 |
| | 2.77 | | JDM | Joint displaced, medium | 00:01:28 | 4 | 1 / 3 |
| | 3.62 | | JDM | Joint displaced, medium | 00:01:35 | 5 | 1 / 3 |
| | 4.11 | S01 | JDM | Joint displaced, medium, start | 00:01:40 | 6 | 1 / 3 |
| | 6.14 | | BJ | Broken pipe at joint at 12 o'clock | 00:02:05 | 7 | 4 |
| | 16.31 | | BJ | Broken pipe at joint from 5 o'clock to 7 o'clock | 00:03:32 | 8 | 4 |
| | 27.27 | | FC | Fracture, circumferential from 8 o'clock to 5 o'clock | 00:04:58 | 9 | 3 / 2 |
| | 28.28 | | BJ | Broken pipe at joint from 4 o'clock to 8 o'clock | 00:05:09 | 10 | 4 |
| MH15 Depth: m | 29.54 | | MHF | Finish node, manhole, reference: MH15 | 00:05:21 | | |

| Construction Features | | | | | Miscellaneous Features | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| **STR No. Def** | **STR Peak** | **STR Mean** | **STR Total** | **STR Grade** | **SER No. Def** | **SER Peak** | **SER Mean** | **SER Total** | **SER Grade** |
| 10 | 80.0 | 9.7 | 287.0 | 4.0 | 6 | 2.0 | 0.4 | 11.0 | 3.0 |

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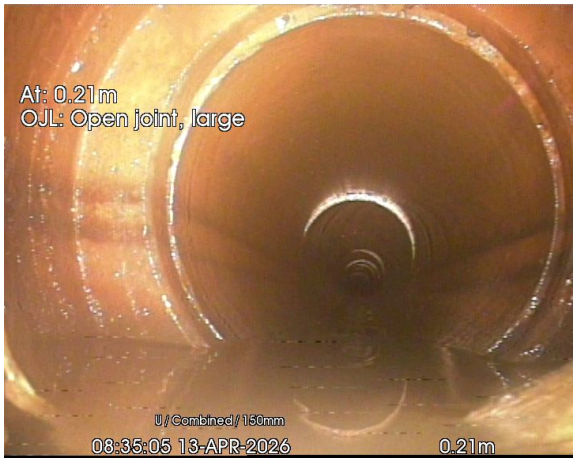
**North West Drain Services Ltd**
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# Section Pictures - 13/04/2026 - MH15X

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 18 | Upstream | MH15X | Toughsheet Bolton | |




1, 00:00:06, 0.00 m
Joint displaced, medium




2, 00:00:50, 0.21 m
Open joint, large




3, 00:01:07, 1.03 m
Joint displaced, medium

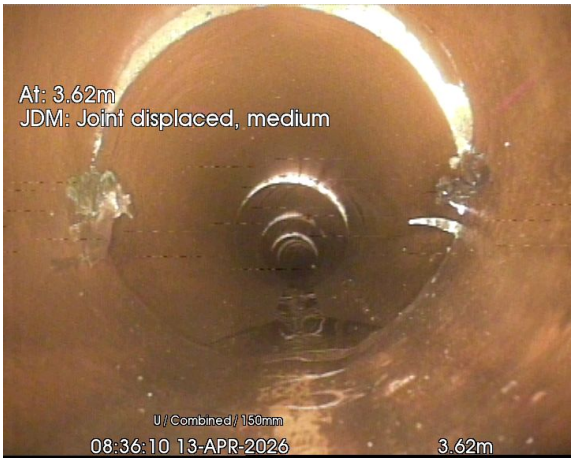



4, 00:01:28, 2.77 m
Joint displaced, medium

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# Section Pictures - 13/04/2026 - MH15X

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 18 | Upstream | MH15X | Toughsheet Bolton | |




5, 00:01:35, 3.62 m
Joint displaced, medium




6, 00:01:40, 4.11 m
Joint displaced, medium, start




7, 00:02:05, 6.14 m
Broken pipe at joint at 12 o'clock




8, 00:03:32, 16.31 m
Broken pipe at joint from 5 o'clock to 7 o'clock

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# Section Pictures - 13/04/2026 - MH15X

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 18 | Upstream | MH15X | Toughsheet Bolton | |




9, 00:04:58, 27.27 m
Fracture, circumferential from 8 o'clock to 5 o'clock




10, 00:05:09, 28.28 m
Broken pipe at joint from 4 o'clock to 8 o'clock

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# Section Inspection - 13/04/2026 - 16AX

| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 19 | 19 | 13/04/26 | 8:41 | Toughsheet Bolton | No Rain Or Snow | Yes | 16AX |

| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Upstream | **Upstream Node:** | 16A |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 8.74 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 8.74 m | **Downstream Node:** | MH16 |
| **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:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**

| Scale: 1:76 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|---|
| Depth: m<br>MH16 | | | | | | |
| | 0.00 | MH | Start node, manhole, reference: MH16 | 00:00:03 | | |
| | 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:04 | | |
| | 8.74 | MHF | Finish node, manhole, reference: 16A | 00:01:01 | | |
| 16A<br>Depth: m | | | | | | |

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

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# Section Inspection - 13/04/2026 - 17AX

| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 20 | 20 | 13/04/26 | 9:23 | Toughsheet Bolton | No Rain Or Snow | Yes | 17AX |

| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Upstream | **Upstream Node:** | 17A |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 8.16 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 8.16 m | **Downstream Node:** | MH17 |
| **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:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**

**Scale: 1:71**




| Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| 0.00 | MH | Start node, manhole, reference: MH17 | 00:00:03 | | |
| 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:04 | | |
| 0.00 | OJL | Open joint, large | 00:00:07 | 1 | 1 |
| 7.78 | LU | Line deviates up | 00:00:46 | | |
| 8.16 | GYF | Finish node, gully, reference: 17A | 00:00:56 | | |

Construction Features / Structural Defects

| STR No. Def | STR Peak | STR Mean | STR Total | STR Grade |
|---|---|---|---|---|
| 1 | 2.0 | 0.2 | 2.0 | 1.0 |

Miscellaneous Features / Service & Operational Observations

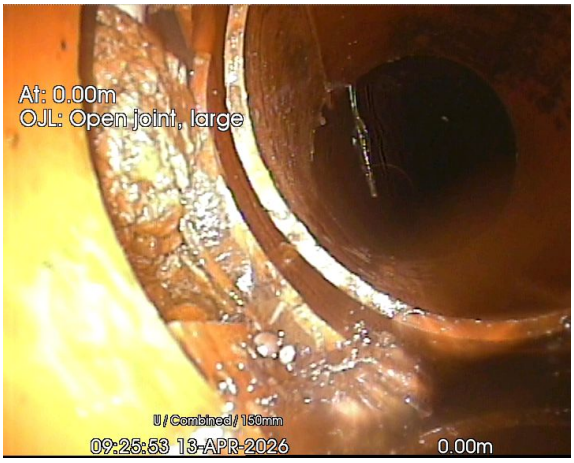
| SER No. Def | SER Peak | SER Mean | SER Total | SER Grade |
|---|---|---|---|---|
| 0 | 0.0 | 0.0 | 0.0 | 1.0 |

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# Section Pictures - 13/04/2026 - 17AX

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 20 | Upstream | 17AX | Toughsheet Bolton | |




1, 00:00:07, 0.00 m
Open joint, large

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# Section Inspection - 13/04/2026 - 17BX

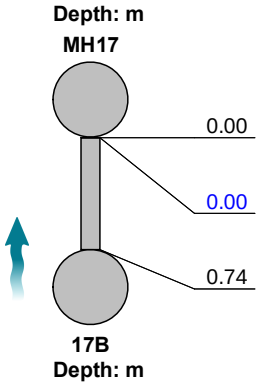
| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 21 | 21 | 13/04/26 | 9:27 | Toughsheet Bolton | No Rain Or Snow | Yes | 17BX |

| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Upstream | **Upstream Node:** | 17B |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 0.74 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 0.74 m | **Downstream Node:** | MH17 |
| **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:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**




| Scale: 1:50 Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| 0.00 | MH | Start node, manhole, reference: MH17 | 00:00:02 | | |
| 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:03 | | |
| 0.74 | GYF | Finish node, gully, reference: 17B | 00:00:13 | | |

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

NorthWest DrainServices

**North West Drain Services Ltd**
*Unit G10 Falcon mill, Bolton*
*Tel. 07756631110 / 07429611080*
*drainservices@googlemail.com*

# Section Inspection - 13/04/2026 - MH16X

| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 22 | 22 | 13/04/26 | 9:50 | Toughsheet Bolton | No Rain Or Snow | Yes | MH16X |

| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Downstream | **Upstream Node:** | MH16 |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 15.65 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 15.65 m | **Downstream Node:** | MAIN |
| **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:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**

**Scale:** 1:88




| Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| 0.00 | MH | Start node, manhole, reference: MH16 | 00:00:02 | | |
| 0.00 | WL | Water level, 10% of the vertical dimension | 00:00:03 | | |
| 0.92 | JDM | Joint displaced, medium | 00:00:11 | 1 | 1 / 3 |
| 2.17 | FCJ | Fracture, circumferential at joint from 7 o'clock to 9 o'clock | 00:00:22 | 2 | 3 / 2 |
| 2.17 | JDM | Joint displaced, medium | 00:00:23 | 3 | 1 / 3 |
| 2.65 | FCJ | Fracture, circumferential at joint from 7 o'clock to 12 o'clock | 00:00:32 | 4 | 3 / 2 |
| 3.99 | JDM | Joint displaced, medium | 00:00:45 | 5 | 1 / 3 |
| 4.28 | FC | Fracture, circumferential from 7 o'clock to 5 o'clock | 00:00:56 | 6 | 3 / 2 |
| 4.71 | JDM | Joint displaced, medium | 00:00:49 | 7 | 1 / 3 |
| 5.85 | JDM | Joint displaced, medium | 00:01:07 | 8 | 1 / 3 |
| 6.59 | JDM | Joint displaced, medium | 00:01:18 | 9 | 1 / 3 |
| 7.69 | JDM | Joint displaced, medium | 00:01:28 | 10 | 1 / 3 |
| 8.48 | JDL | Joint displaced, large | 00:01:34 | 11 | 1 / 4 |
| 9.14 | JDM | Joint displaced, medium | 00:01:39 | 12 | 1 / 3 |
| 9.73 | JDL | Joint displaced, large | 00:01:45 | 13 | 1 / 4 |

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*drainservices@googlemail.com*

# Section Inspection - 13/04/2026 - MH16X

| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 22 | 22 | 13/04/26 | 9:50 | Toughsheet Bolton | No Rain Or Snow | Yes | MH16X |

| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

Scale: 1:88



MAIN
Depth: m

| Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| 10.51 | JDL | Joint displaced, large | 00:01:52 | 14 | 1 / 4 |
| 11.02 | JDL | Joint displaced, large | 00:01:57 | 15 | 1 / 4 |
| 11.71 | JDM | Joint displaced, medium | 00:02:01 | 16 | 1 / 3 |
| 12.27 | JDM | Joint displaced, medium | 00:02:05 | 17 | 1 / 3 |
| 14.30 | JDM | Joint displaced, medium | 00:02:18 | 18 | 1 / 3 |
| 14.88 | JDM | Joint displaced, medium | 00:02:23 | 19 | 1 / 3 |
| 15.65 | MHF | Finish node, manhole, reference: MAIN | 00:02:29 | | |

| Construction Features | | | | | Miscellaneous Features | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| STR No. Def | STR Peak | STR Mean | STR Total | STR Grade | SER No. Def | SER Peak | SER Mean | SER Total | SER Grade |
| 19 | 41.0 | 8.9 | 140.0 | 3.0 | 19 | 5.0 | 3.0 | 47.0 | 4.0 |

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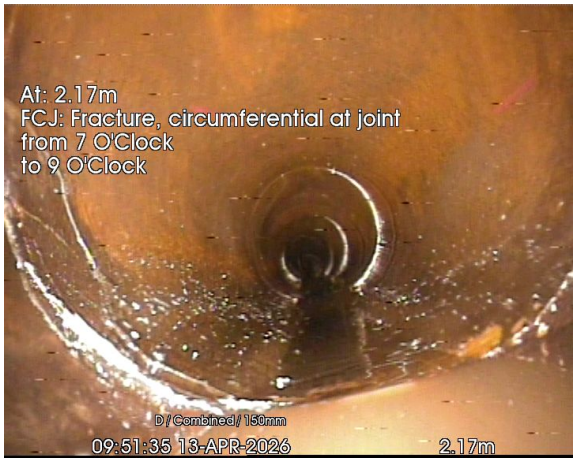
**North West Drain Services Ltd**
*Unit G10 Falcon mill, Bolton*
*Tel. 07756631110 / 07429611080*
*drainservices@googlemail.com*

# Section Pictures - 13/04/2026 - MH16X

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 22 | Downstream | MH16X | Toughsheet Bolton | |



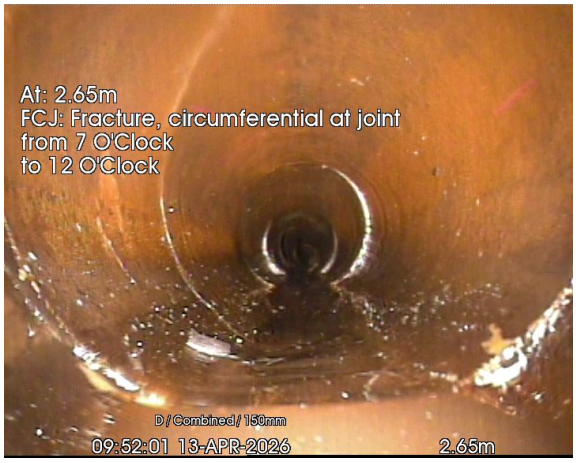

1, 00:00:11, 0.92 m
Joint displaced, medium




2, 00:00:22, 2.17 m
Fracture, circumferential at joint from 7 o'clock to 9 o'clock




3, 00:00:23, 2.17 m
Joint displaced, medium

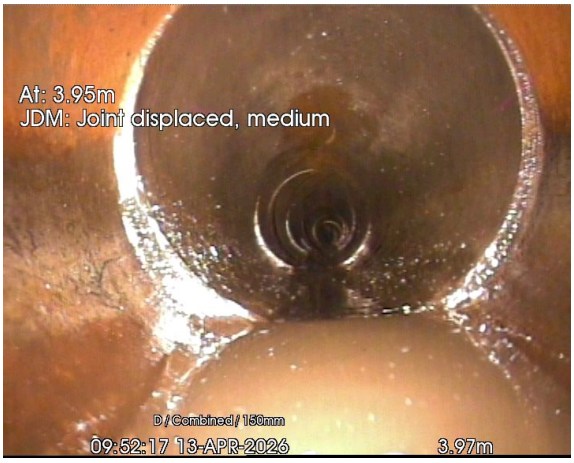



4, 00:00:32, 2.65 m
Fracture, circumferential at joint from 7 o'clock to 12 o'clock

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# Section Pictures - 13/04/2026 - MH16X

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 22 | Downstream | MH16X | Toughsheet Bolton | |



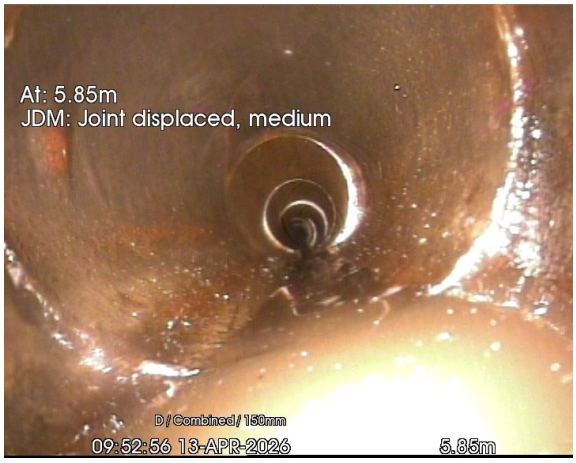

5, 00:00:45, 3.99 m
Joint displaced, medium




6, 00:00:56, 4.28 m
Fracture, circumferential from 7 o'clock to 5 o'clock




7, 00:00:49, 4.71 m
Joint displaced, medium




8, 00:01:07, 5.85 m
Joint displaced, medium

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# Section Pictures - 13/04/2026 - MH16X

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 22 | Downstream | MH16X | Toughsheet Bolton | |




9, 00:01:18, 6.59 m
Joint displaced, medium




10, 00:01:28, 7.69 m
Joint displaced, medium




11, 00:01:34, 8.48 m
Joint displaced, large




12, 00:01:39, 9.14 m
Joint displaced, medium

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# Section Pictures - 13/04/2026 - MH16X

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 22 | Downstream | MH16X | Toughsheet Bolton | |




13, 00:01:45, 9.73 m
Joint displaced, large




14, 00:01:52, 10.51 m
Joint displaced, large




15, 00:01:57, 11.02 m
Joint displaced, large




16, 00:02:01, 11.71 m
Joint displaced, medium

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# Section Pictures - 13/04/2026 - MH16X

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 22 | Downstream | MH16X | Toughsheet Bolton | |




17, 00:02:05, 12.27 m
Joint displaced, medium




18, 00:02:18, 14.30 m
Joint displaced, medium




19, 00:02:23, 14.88 m
Joint displaced, medium

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# Section Inspection - 13/04/2026 - MH11X

| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 23 | 23 | 13/04/26 | 10:25 | Toughsheet Bolton | No Rain Or Snow | Yes | MH11X |

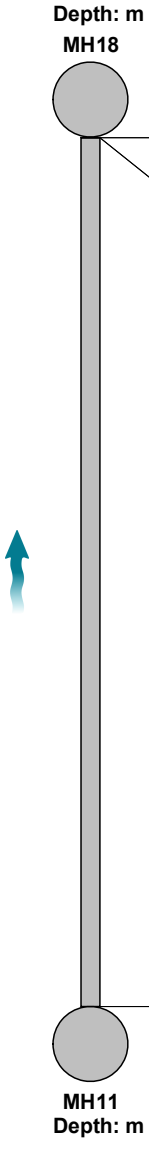
| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Upstream | **Upstream Node:** | MH11 |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 14.48 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 14.48 m | **Downstream Node:** | MH18 |
| **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:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**

**Scale:** 1:126




| Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| 0.00 | MH | Start node, manhole, reference: MH18 | 00:00:02 | | |
| 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:02 | | |
| 14.48 | MHF | Finish node, manhole, reference: MH11: UTR MH SEIZED | 00:01:13 | | |

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

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# Section Inspection - 13/04/2026 - MH18X

| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 24 | 24 | 13/04/26 | 10:33 | Toughsheet Bolton | No Rain Or Snow | Yes | MH18X |

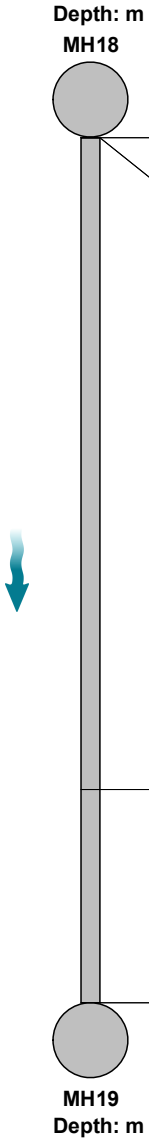
| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Downstream | **Upstream Node:** | MH18 |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 8.01 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 8.01 m | **Downstream Node:** | MH19 |
| **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:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**

**Scale:** 1:70




| Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| 0.00 | MH | Start node, manhole, reference: MH18 | 00:00:03 | | |
| 0.00 | WL | Water level, 10% of the vertical dimension | 00:00:05 | | |
| 6.04 | WL | Water level, 30% of the vertical dimension | 00:00:41 | | |
| 8.01 | MHF | Finish node, manhole, reference: MH19 | 00:00:57 | | |

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

NorthWest DrainServices

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# Section Inspection - 13/04/2026 - MH13X

| Item No. | Insp. No. | Date | Time | Client`s Job Ref | Weather | Pre Cleaned | PLR |
|---|---|---|---|---|---|---|---|
| 25 | 25 | 13/04/26 | 11:39 | Toughsheet Bolton | No Rain Or Snow | Yes | MH13X |

| Operator | Vehicle | Camera | Preset Length | Legal Status | Alternative ID |
|---|---|---|---|---|---|
| AW | Not Specified | Not Specified | Not Specified | Not Specified | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Town or Village:** | Westhoughton | **Inspection Direction:** | Downstream | **Upstream Node:** | MH13 |
| **Road:** | Toughsheet Building Products | **Inspected Length:** | 3.10 m | **Upstream Pipe Depth:** | |
| **Location:** | Road | **Total Length:** | 3.10 m | **Downstream Node:** | D/STREAM |
| **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:** | Vitrified clay |
| **Year Constructed:** | Not Specified | **Lining Type:** | No Lining |
| **Inspection Purpose:** | Routine inspection | **Lining Material:** | No Lining |

**Comments:**
**Recommendations:**



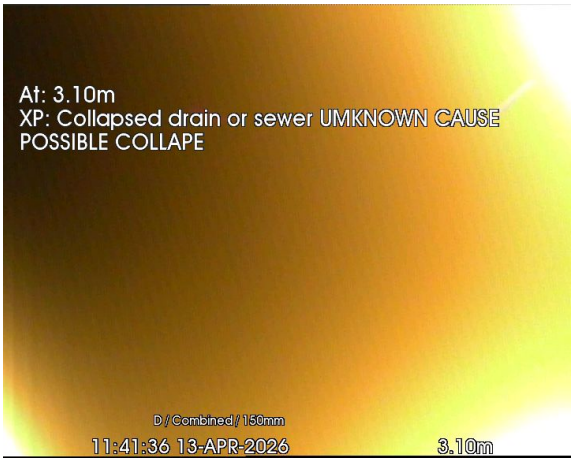
| Scale: 1:50 Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|---|---|---|---|
| Depth: m<br>MH13 | | | | | |
| 0.00 | MH | Start node, manhole, reference: MH13 | 00:00:02 | | |
| 0.00 | WL | Water level, 20% of the vertical dimension | 00:00:02 | | |
| 1.04 | WL | Water level, 40% of the vertical dimension | 00:00:14 | | |
| 3.10 | XP | Collapsed drain or sewer: UMKNOWN CAUSE POSSIBLE COLLAPE | 00:00:36 | 1 | 1 |
| 3.10 | SA | Survey abandoned: DUE TO POSSIBLE COLLAPSE | 00:00:39 | 2 | |

| Construction Features | | | | | Miscellaneous Features | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| **STR No. Def** | **STR Peak** | **STR Mean** | **STR Total** | **STR Grade** | **SER No. Def** | **SER Peak** | **SER Mean** | **SER Total** | **SER Grade** |
| 1 | 0.0 | 0.0 | 0.0 | 1.0 | 0 | 0.0 | 0.0 | 0.0 | 1.0 |

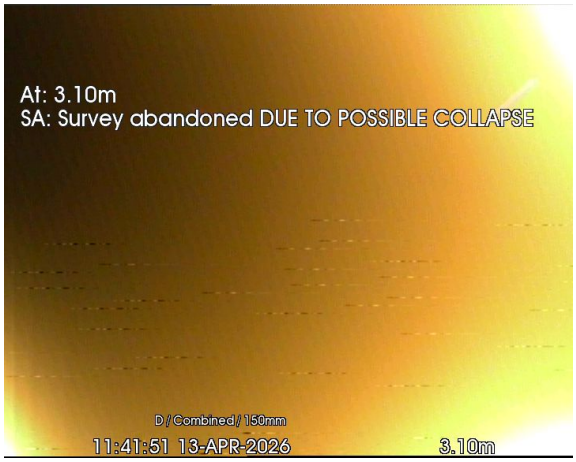
**North West Drain Services Ltd**
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*drainservices@googlemail.com*

# Section Pictures - 13/04/2026 - MH13X

| Item No. | Inspection Direction | PLR | Client`s Job Ref | Contractor`s Job Ref |
|---|---|---|---|---|
| 25 | Downstream | MH13X | Toughsheet Bolton | |




1, 00:00:36, 3.10 m
Collapsed drain or sewer, UMKNOWN CAUSE POSSIBLE COLLAPE




2, 00:00:39, 3.10 m
Survey abandoned, DUE TO POSSIBLE COLLAPSE

**North West Drain Services Ltd**
*Unit G10 Falcon mill, Bolton*
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## North West Drain Services Ltd

Thank you for choosing to use North West Drain Services Ltd to carry out your drainage investigation works.

The results and views carried in this report are those of the engineer(s) appointed to carry out the investigation and are considered relevant on the day of the survey. Drain and sewer performance is known to alter over time, so liability cannot be accepted for differences between the recorded data and the actual data at a time after this report was generated.

This survey has been created in accordance with the drainage standard used in the country and language settings for this PC.

If a DVD has been supplied with this report, please not that it can only be used in a Windows based PC. Please browse the DVD and navigate to the PDF folder to find project-based documents such as drawings, engineer's site notes and survey specifications amongst others.

CCTV subsidence investigations do not account for the water tightness of the pipes and are merely a visual inspection of inside of the drains. CCTV drainage engineers are generally not qualified to comment on the causes of subsidence, and can only suggest required remedial actions for the pipes, and not the affected buildings.

Subsidence is a building structural failure, which can occur for many reasons. Although drainage failures can contribute to subsidence problems, other causes should always be investigated as part of a considered approach. In order to eliminate drains from suspicion, North West Drain Services Ltd suggests that all pipes within at least 10m of the subsidence area be pressure tested over and above a CCTV inspection, and remedial suggestions considered based on the findings.

Unless otherwise specified in an associated task order (or similar), the data gathered in this report may not be suitable for use as a pre-lining investigation. North West Drain Services Ltd are happy to carry out such surveys, but this must be agreed prior to the commencement of the works, and a the client must specify the data they wish to capture and the acceptable tolerances.

All measurements including depths, meterage, locations are given as an approximate guide only and not to be used for piling purposes.  We do no offer pin-point locating of drainage.