GENERAL UTILITIES NORTHWEST LTD
LIVERPOOL ROAD, IRLAM
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Project

Project Name: 2025_10_13 Heaton Park Farm_

Project Date: 13/10/2025

Inspection Standard: MSCC5 Sewers & Drainage GB (SRM5 Scoring)

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Project Information

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Site

Company: GUN
Contact: ANTHONY MAIDMENT
Department: CCTV OPERATIVE
Street: Heaton park farm
Town or City: Prestwich
Phone: [redacted]

Contractor

Company: GENERAL UTILITIES NORTHWEST LTD
Description: DRAINAGE COMPANY
Contact: CRAIG MORRIS
Department: OPERATIONS MANAGER
Street: LIVERPOOL ROAD
Town or City: IRLAM
County: MANCHESTER
Post Code: M44 6FB
Phone: 0161 776 0011
Mobile: [redacted]
Email: generalutilities@btconnect.com

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Structural Defects

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

Grade 4: Best practice suggests consideration should be given to repairs to avoid a potential collapse.

Grade 5: Best practice suggests that this pipe is at risk of collapse at any time. Urgent consideration should be given to repairs to avoid total failure.

Section	PLR	Grade	Description
4	Line DX	5	Collapsed drain or sewer
7	Line GX	4	Broken pipe at 10 o'clock
15	MH10X	4	Broken pipe at 12 o'clock
17	MH11X	4	Broken pipe at 12 o'clock
23	MH9X	4	Broken pipe at joint from 6 o'clock to 9 o'clock
25	LINE A X	5	Collapsed drain or sewer

Service / Operational Condition

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

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

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

Section	PLR	Grade	Description
4	Line DX	3	Multiple defects
5	MH4X	3	Joint displaced, medium
7	Line GX	4	Joint displaced, large
8	MH1X	4	Multiple defects
10	MH6X	3	Multiple defects
15	MH10X	3	Joint displaced, medium
16	MH3X	3	Joint displaced, medium
18	Line AX	5	Settled deposits, hard or compacted, 100% cross-sectional area loss
19	Line BX	3	Settled deposits, fine, 10% cross-sectional area loss
20	Line CX	4	Joint displaced, large
22	UnknownX	4	Settled deposits, hard or compacted, 20% cross-sectional area loss
23	MH9X	5	Other obstacles from 5 o'clock to 6 o'clock, 15% cross-sectional area loss
25	LINE A X	4	Attached deposits, other at joint from 4 o'clock to 8 o'clock, 35% cross-sectional area loss

Abandoned Surveys

Section	PLR	Description
1	Line AX	Survey abandoned

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Section	PLR	Description
3	Line CX	Survey abandoned
4	Line DX	Survey abandoned
6	Line FX	Survey abandoned
7	Line GX	Survey abandoned
8	MH1X	Survey abandoned
13	UnknownX	Survey abandoned
17	MH11X	Survey abandoned
18	Line AX	Survey abandoned
19	Line BX	Survey abandoned
20	Line CX	Survey abandoned
21	MH9X	Survey abandoned
22	UnknownX	Survey abandoned
25	LINE A X	Survey abandoned

Information

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

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Project Pictures

Project Name	Project Number	Project Date
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20251013_082543



20251013_082636



20251013_082640



20251013_082743



20251013_083110



20251013_083752

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Project Pictures

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2025_10_13 Heaton Park Farm_		13/10/2025



20251013_083836



20251013_091847



20251013_091852



20251013_112502



20251013_113433



20251013_132034

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Project Pictures

Project Name	Project Number	Project Date
2025_10_13 Heaton Park Farm_		13/10/2025



20251013_133603



20251013_134506



20251013_134629



20251013_134632

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Defect Grade Description (Section)

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1:	Brick: Minor structural defects. Other: Minor structural defects, i.e. open or displaced joints without additional characteristics. **Acceptable structural condition.**
2:	Brick: Circumferential cracking. Single longitudinal crack. Surface mortar loss (depth missing < 15 mm). Surface damage - spalling slight (breaking away of small fragments from the surface). Surface damage - wear slight (increased roughness). Other: Circumferential cracking. Surface damage - spalling slight (breaking away of small fragments from the surface). Surface damage - wear slight (increased roughness). **Minimal collapse likelihood in the short term but potential for further deterioration.**
3:	Brick: Total mortar loss (depth missing > 50 mm) without other defects. More than one longitudinal crack (at a single location). Multiple cracking. Single bricks displaced. Deformation < 5%, no fracture and only moderate mortar loss. Surface damage - spalling medium (large areas of chipped brick). Surface damage - wear medium (entire surface of brick is missing). Other: Fracture with no deformation or deformation < 5%. Longitudinal cracking or multiple cracking. Minor loss of level. Severe joint defects i.e. Surface damage - spalling medium. Surface damage - wear medium. **Collapse unlikely in the near future but further deterioration likely.**
4:	Brick: Total mortar loss (depth missing > 50mm) with deformation > 10%; deformation up to 10% and fractured; displaced or hanging brickwork; small number of missing bricks; dropped invert (drop > 20mm); moderate loss of level; surface damage - large spalling (entire surface of brick is missing); surface damage - large wear (entire surface of brick is missing). Other: Broken; deformation up to 10% and broken; fracture with deformation 5-10%; multiple fractures; serious loss of level; serious joint defects with voids or soil visible (open joint with > 50mm soil or void visible or joint displacement > 25% of diameter); surface damage - entire area of pipe surface is missing or severly worn. **Collapse likely in the foreseeable future.**
5:	Brick: Already collapsed; missing Invert; deformation > 10% and fractured; displaced or hanging brickwork and deformation < 10%; extensive areas of missing brickwork. Other: Already collapsed; deformation > 10% and broken; extensive areas of pipe fabric missing; fractures with deformation > 10% **Collapsed or collapse imminent.**

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Section Profile

Project Name	Project Number	Project Date
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Circular, 100 mm

Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
2	Line B	MH1	13/10/2025	Heaton Park Farm	Vitrified clay	2.81 m	2.81 m
9	MH5	MH2	13/10/2025	Heaton Park Farm	Vitrified clay	15.40 m	15.40 m
10	MH6	MH2	13/10/2025	Heaton Park Farm	Vitrified clay	5.60 m	5.60 m
11	MH2	MH3	13/10/2025	Heaton Park Farm	Vitrified clay	4.27 m	**3.80 m**
24	MH9	LINE X	10/11/2025	Heaton Park Farm	Vitrified clay	8.39 m	8.39 m

Total: 5 Inspections x Circular 100 mm = 36.48 m Total Length and 36.00 m Inspected Length

Circular, 150 mm

Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
5	MH4	MH1	13/10/2025	Heaton Park Farm	Vitrified clay	5.85 m	5.85 m
12	MH7	MH3	13/10/2025	Heaton Park Farm	Vitrified clay	11.63 m	11.63 m
14	MH8	MH3	13/10/2025	Heaton Park Farm	Vitrified clay	6.16 m	6.16 m
15	MH10	MH8	13/10/2025	Heaton Park Farm	Vitrified clay	16.63 m	16.63 m
16	MH3	MH11	13/10/2025	Heaton Park Farm	Vitrified clay	21.90 m	21.90 m
23	MH9	MH1	10/11/2025	Heaton Park Farm	Vitrified clay	31.94 m	31.94 m

Total: 6 Inspections x Circular 150 mm = 94.12 m Total Length and 94.12 m Inspected Length

Total: 11 Inspections = 130.59 m Total Length and 130.12 m Inspected Length

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Section Summary

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Number of sections	25
Total length of sections	218.22 m
Total length of inspected sections	217.72 m
Total length of not inspected sections	0.02 m
Number of abandoned inspections	14
Number of section inspection photos	47
Number of section inspection videos	25
Number of section inspection scans	0
Number of section inclination measurements	0

PLR:	Line AX	**Upstream Node:**	Line A
Inspection Direction:	Upstream	**Downstream Node:**	MH1
Inspected Length:	0.50 m	**Dia/Height:**	100 mm
Total Length:	0.50 m	**Material:**	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH1
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.50	SA	Survey abandoned

PLR:	Line BX	**Upstream Node:**	Line B
Inspection Direction:	Upstream	**Downstream Node:**	MH1
Inspected Length:	2.81 m	**Dia/Height:**	100 mm
Total Length:	2.81 m	**Material:**	Vitrified clay

No.	m+	Code	Observation
1	0.00	BN	Start node, buchan trap, reference: MH1
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.08	CN	Connection other than junction at 9 o'clock, 100mm dia
4	0.23	LL	Line deviates left
5	0.38	WL	Water level, 10% of the vertical dimension
6	0.70	WL	Water level, 5% of the vertical dimension
7	1.99	LR	Line deviates right
8	2.56	LD	Line deviates down
9	2.81	GYF	Finish node, gully, reference: Line B

PLR:	Line CX	**Upstream Node:**	Line C
Inspection Direction:	Upstream	**Downstream Node:**	MH1
Inspected Length:	7.26 m	**Dia/Height:**	100 mm
Total Length:	7.26 m	**Material:**	Vitrified clay

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No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH1
2	0.00	WL	Water level, 5% of the vertical dimension
3	6.37	CN	Connection other than junction at 9 o'clock, 100mm dia
4	6.94	WL	Water level, 30% of the vertical dimension
5	7.25	CUW	Loss of vision, camera under water
6	7.26	SA	Survey abandoned

PLR:	Line DX	**Upstream Node:**	Line D
Inspection Direction:	Upstream	**Downstream Node:**	MH1
Inspected Length:	9.36 m	**Dia/Height:**	100 mm
Total Length:	9.36 m	**Material:**	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH1
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.00	LR	Line deviates right
4	0.56	JDM	Joint displaced, medium
5	1.94	CN	Connection other than junction at 12 o'clock, 100mm dia
6	2.12	JDM	Joint displaced, medium
7	6.13	B	Broken pipe from 10 o'clock to 1 o'clock
8	9.36	XP	Collapsed drain or sewer
9	9.36	SA	Survey abandoned

PLR:	MH4X	**Upstream Node:**	MH4
Inspection Direction:	Upstream	**Downstream Node:**	MH1
Inspected Length:	5.85 m	**Dia/Height:**	150 mm
Total Length:	5.85 m	**Material:**	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH1
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.19	JDM	Joint displaced, medium
4	4.73	LU	Line deviates up
5	5.85	MHF	Finish node, manhole, reference: MH4

PLR:	Line FX	**Upstream Node:**	Line F
Inspection Direction:	Upstream	**Downstream Node:**	MH1
Inspected Length:	3.00 m	**Dia/Height:**	150 mm
Total Length:	3.00 m	**Material:**	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH1
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.49	LU	Line deviates up
4	3.00	SA	Survey abandoned

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PLR:	Line GX	**Upstream Node:**	Line G
Inspection Direction:	Upstream	**Downstream Node:**	MH1
Inspected Length:	28.03 m	**Dia/Height:**	150 mm
Total Length:	28.03 m	**Material:**	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH1
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.07	JDM	Joint displaced, medium
4	6.31	JDL	Joint displaced, large
5	9.35	CN	Connection other than junction at 12 o'clock, 100mm dia
6	11.96	JDM	Joint displaced, medium
7	12.02	CN	Connection other than junction at 3 o'clock, 100mm dia
8	12.02	DES	Settled deposits, fine, 15% cross-sectional area loss, start
9	23.02	CN	Connection other than junction at 12 o'clock, 100mm dia
10	24.27	CN	Connection other than junction at 12 o'clock, 75mm dia
11	24.39	CN	Connection other than junction at 12 o'clock, 100mm dia
12	25.61	B	Broken pipe at 10 o'clock
13	26.07	CN	Connection other than junction at 11 o'clock, 100mm dia
14	28.03	DES	Settled deposits, fine, 15% cross-sectional area loss, finish
15	28.03	SA	Survey abandoned

PLR:	MH1X	**Upstream Node:**	MH1
Inspection Direction:	Downstream	**Downstream Node:**	Carrier
Inspected Length:	4.25 m	**Dia/Height:**	150 mm
Total Length:	4.25 m	**Material:**	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH1
2	0.00	WL	Water level, 0% of the vertical dimension
3	2.63	JDL	Joint displaced, large
4	3.61	JDL	Joint displaced, large
5	4.25	JDL	Joint displaced, large
6	4.25	SA	Survey abandoned

PLR:	MH5X	**Upstream Node:**	MH5
Inspection Direction:	Upstream	**Downstream Node:**	MH2
Inspected Length:	15.40 m	**Dia/Height:**	100 mm
Total Length:	15.40 m	**Material:**	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH2
2	0.00	WL	Water level, 0% of the vertical dimension
3	5.10	CN	Connection other than junction at 9 o'clock, 100mm dia
4	15.40	MHF	Finish node, manhole, reference: MH5

PLR:	MH6X	**Upstream Node:**	MH6
Inspection Direction:	Upstream	**Downstream Node:**	MH2
Inspected Length:	5.60 m	**Dia/Height:**	100 mm
Total Length:	5.60 m	**Material:**	Vitrified clay

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No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH2
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.97	DEE	Attached deposits, encrustation from 5 o'clock to 7 o'clock, 5% cross-sectional area loss, start
4	2.74	JDM	Joint displaced, medium
5	3.92	CN	Connection other than junction at 9 o'clock, 100mm dia, from .
6	4.27	LR	Line deviates right
7	4.87	LL	Line deviates left
8	5.60	DEE	Attached deposits, encrustation from 5 o'clock to 7 o'clock, 5% cross-sectional area loss, finish
9	5.60	MHF	Finish node, manhole, reference: MH6

PLR:	MH2X	**Upstream Node:**	MH2
Inspection Direction:	Downstream	**Downstream Node:**	MH3
Inspected Length:	3.80 m	**Dia/Height:**	100 mm
Total Length:	4.27 m	**Material:**	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH2
2	0.00	WL	Water level, 5% of the vertical dimension
3	3.80	MHF	Finish node, manhole, reference: MH3

PLR:	MH7X	**Upstream Node:**	MH7
Inspection Direction:	Upstream	**Downstream Node:**	MH3
Inspected Length:	11.63 m	**Dia/Height:**	150 mm
Total Length:	11.63 m	**Material:**	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH3
2	0.00	WL	Water level, 0% of the vertical dimension
3	9.68	LL	Line deviates left
4	11.00	RFJ	Roots, fine at joint
5	11.63	MHF	Finish node, manhole, reference: MH7

PLR:	UnknownX	**Upstream Node:**	Unknown
Inspection Direction:	Upstream	**Downstream Node:**	MH7
Inspected Length:	0.79 m	**Dia/Height:**	150 mm
Total Length:	0.79 m	**Material:**	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH7
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.35	LU	Line deviates up
4	0.79	SA	Survey abandoned

PLR:	MH8X	**Upstream Node:**	MH8
Inspection Direction:	Upstream	**Downstream Node:**	MH3
Inspected Length:	6.16 m	**Dia/Height:**	150 mm
Total Length:	6.16 m	**Material:**	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH3

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No.	m+	Code	Observation
2	0.00	WL	Water level, 0% of the vertical dimension
3	2.00	CN	Connection other than junction at 3 o'clock, 150mm dia
4	4.42	CN	Connection other than junction at 12 o'clock, 150mm dia
5	6.16	MHF	Finish node, manhole, reference: MH8

PLR:	MH10X	**Upstream Node:**	MH10
Inspection Direction:	Upstream	**Downstream Node:**	MH8
Inspected Length:	16.63 m	**Dia/Height:**	150 mm
Total Length:	16.63 m	**Material:**	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH8
2	0.00	WL	Water level, 0% of the vertical dimension
3	5.78	JDM	Joint displaced, medium
4	6.03	CN	Connection other than junction at 3 o'clock, 100mm dia
5	7.66	CN	Connection other than junction at 1 o'clock, 100mm dia
6	8.16	CN	Connection other than junction at 3 o'clock, 150mm dia
7	8.77	CN	Connection other than junction at 9 o'clock, 150mm dia
8	14.82	B	Broken pipe at 12 o'clock
9	16.63	MHF	Finish node, manhole, reference: MH10

PLR:	MH3X	**Upstream Node:**	MH3
Inspection Direction:	Downstream	**Downstream Node:**	MH11
Inspected Length:	21.90 m	**Dia/Height:**	150 mm
Total Length:	21.90 m	**Material:**	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH3
2	0.00	WL	Water level, 5% of the vertical dimension
3	8.42	CN	Connection other than junction at 3 o'clock, 150mm dia
4	9.08	CN	Connection other than junction at 9 o'clock, 150mm dia
5	9.69	CN	Connection other than junction at 1 o'clock, 150mm dia
6	10.75	JDM	Joint displaced, medium
7	18.10	CN	Connection other than junction at 2 o'clock, 150mm dia
8	18.74	CN	Connection other than junction at 9 o'clock, 150mm dia
9	21.90	MHF	Finish node, manhole, reference: MH11

PLR:	MH11X	**Upstream Node:**	MH11
Inspection Direction:	Downstream	**Downstream Node:**	MH12
Inspected Length:	22.46 m	**Dia/Height:**	150 mm
Total Length:	22.46 m	**Material:**	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH11
2	0.00	WL	Water level, 5% of the vertical dimension
3	1.00	RF	Roots, fine, start
4	5.51	CN	Connection other than junction at 12 o'clock, 150mm dia
5	8.87	RF	Roots, fine, finish

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No.	m+	Code	Observation
6	13.12	CN	Connection other than junction at 9 o'clock, 150mm dia
7	20.77	CN	Connection other than junction at 12 o'clock, 150mm dia
8	21.55	B	Broken pipe at 12 o'clock
9	22.46	SA	Survey abandoned

PLR:	Line AX	**Upstream Node:**	Line A
Inspection Direction:	Upstream	**Downstream Node:**	MH9
Inspected Length:	0.68 m	**Dia/Height:**	150 mm
Total Length:	0.68 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH9
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.66	DEC	Settled deposits, hard or compacted, 100% cross-sectional area loss
4	0.68	SA	Survey abandoned

PLR:	Line BX	**Upstream Node:**	Line B
Inspection Direction:	Upstream	**Downstream Node:**	MH9
Inspected Length:	0.88 m	**Dia/Height:**	100 mm
Total Length:	0.88 m	**Material:**	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH9
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	DES	Settled deposits, fine, 10% cross-sectional area loss
4	0.60	LD	Line deviates down
5	0.88	SA	Survey abandoned

PLR:	Line CX	**Upstream Node:**	Line C
Inspection Direction:	Upstream	**Downstream Node:**	MH9
Inspected Length:	3.81 m	**Dia/Height:**	100 mm
Total Length:	3.81 m	**Material:**	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH9
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.38	JDM	Joint displaced, medium
4	1.31	JDM	Joint displaced, medium
5	1.88	JDM	Joint displaced, medium
6	3.51	CN	Connection other than junction at 3 o'clock, 100mm dia
7	3.76	JDL	Joint displaced, large
8	3.81	SA	Survey abandoned

PLR:	MH9X	**Upstream Node:**	MH9
Inspection Direction:	Downstream	**Downstream Node:**	Unknown
Inspected Length:	2.19 m	**Dia/Height:**	100 mm
Total Length:	2.19 m	**Material:**	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH9

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Section Summary

Project Name	Project Number	Project Date
2025_10_13 Heaton Park Farm_		13/10/2025

No.	m+	Code	Observation
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.76	JDM	Joint displaced, medium
4	2.09	JDM	Joint displaced, medium
5	2.19	SA	Survey abandoned

PLR:	UnknownX	**Upstream Node:**	Unknown
Inspection Direction:	Upstream	**Downstream Node:**	MH4
Inspected Length:	2.08 m	**Dia/Height:**	100 mm
Total Length:	2.08 m	**Material:**	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH4
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.16	JDM	Joint displaced, medium
4	1.07	DEC	Settled deposits, hard or compacted, 20% cross-sectional area loss
5	2.08	SA	Survey abandoned

PLR:	MH9X	**Upstream Node:**	MH9
Inspection Direction:	Upstream	**Downstream Node:**	MH1
Inspected Length:	31.94 m	**Dia/Height:**	150 mm
Total Length:	31.94 m	**Material:**	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH1
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.18	BJ	Broken pipe at joint from 6 o'clock to 9 o'clock
4	1.07	LU	Line deviates up
5	4.81	DES	Settled deposits, fine, 10% cross-sectional area loss
6	6.38	JDL	Joint displaced, large
7	7.64	DEZ	Attached deposits, other from 6 o'clock to 11 o'clock, 20% cross-sectional area loss
8	11.53	JDL	Joint displaced, large
9	11.96	JN	Junction at 2 o'clock, 100mm dia
10	14.95	JDM	Joint displaced, medium
11	22.40	OJL	Open joint, large
12	22.62	SS	Surface damage, spalling at 12 o'clock
13	23.07	LR	Line deviates right
14	23.17	RPH	Point repair, hole repaired at 12 o'clock
15	24.36	RPH	Point repair, hole repaired at 12 o'clock
16	24.62	JN	Junction at 12 o'clock, 100mm dia
17	26.01	MCPVC	Pipe material changes to polyvinyl chloride at this point
18	26.05	CL	Crack, longitudinal at 11 o'clock
19	26.23	CXI	Connection defective, connecting pipe is intruding at 11 o'clock, 100mm dia, intrusion: 15%, from 3
20	27.00	MCVC	Pipe material changes to vitrified clay at this point
21	27.80	CLJ	Crack, longitudinal at joint at 3 o'clock
22	27.81	CLJ	Crack, longitudinal at joint at 9 o'clock
23	29.22	RPH	Point repair, hole repaired from 10 o'clock to 12 o'clock
24	30.40	LL	Line deviates left

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Section Summary

Project Name	Project Number	Project Date
2025_10_13 Heaton Park Farm_		13/10/2025

No.	m+	Code	Observation
25	30.40	OBZ	Other obstacles from 5 o'clock to 6 o'clock, 15% cross-sectional area loss
26	31.38	JN	Junction at 12 o'clock, 100mm dia
27	31.94	OCF	Finish node, other special chamber, reference: MH9

PLR:	MH9X	**Upstream Node:**	MH9
Inspection Direction:	Downstream	**Downstream Node:**	LINE X
Inspected Length:	8.39 m	**Dia/Height:**	100 mm
Total Length:	8.39 m	**Material:**	Vitrified clay

No.	m+	Code	Observation
1	0.00	CP	Start node, catchpit, reference: MH9
2	0.00	WL	Water level, 5% of the vertical dimension
3	1.88	LD	Line deviates down
4	2.83	CC	Crack, circumferential from 12 o'clock to 12 o'clock
5	3.03	OJL	Open joint, large
6	3.32	REM	General remark
7	3.32	LL	Line deviates left
8	3.32	SC	Pipe size changes, new size(s), 150mm high
9	3.53	CXI	Connection defective, connecting pipe is intruding at 1 o'clock, 100mm dia, intrusion: 5%
10	4.68	DES	Settled deposits, fine, 20% cross-sectional area loss
11	5.51	DES	Settled deposits, fine, 35% cross-sectional area loss
12	6.79	JDL	Joint displaced, large
13	6.79	OJL	Open joint, large
14	7.81	LL	Line deviates left
15	8.39	OCF	Finish node, other special chamber, reference: LINE X

PLR:	LINE A X	**Upstream Node:**	LINE A
Inspection Direction:	Upstream	**Downstream Node:**	MH4
Inspected Length:	2.33 m	**Dia/Height:**	100 mm
Total Length:	2.33 m	**Material:**	Vitrified clay

No.	m+	Code	Observation
1	0.00	CP	Start node, catchpit, reference: MH4
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.26	DEZJ	Attached deposits, other at joint from 5 o'clock to 7 o'clock, 20% cross-sectional area loss
4	0.26	LR	Line deviates right
5	0.26	LU	Line deviates up
6	1.02	DEZJ	Attached deposits, other at joint from 4 o'clock to 8 o'clock, 35% cross-sectional area loss
7	1.61	DEZJ	Attached deposits, other at joint from 5 o'clock to 7 o'clock, 20% cross-sectional area loss
8	2.32	XP	Collapsed drain or sewer
9	2.33	SA	Survey abandoned

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Project Summary

Project Name	Project Number	Project Date
2025_10_13 Heaton Park Farm_		13/10/2025

Pipe Summary

No.	Type	PLR	Upstream Node	Downstream Node	Road	Town	Use	Mat.	Profile	Length
1	SEC	Line AX	LINE A	MH1	Heaton Park Farm	Manchester	S	VC	Circular 100mm	0.50 m
2	SEC	Line BX	LINE B	MH1	Heaton Park Farm	Manchester	S	VC	Circular 100mm	2.81 m
3	SEC	Line CX	LINE C	MH1	Heaton Park Farm	Manchester	S	VC	Circular 100mm	7.26 m
4	SEC	Line DX	LINE D	MH1	Heaton Park Farm	Manchester	S	VC	Circular 100mm	9.36 m
5	SEC	MH4X	MH4	MH1	Heaton Park Farm	Manchester	S	VC	Circular 150mm	5.85 m
6	SEC	Line FX	LINE F	MH1	Heaton Park Farm	Manchester	S	VC	Circular 150mm	3.00 m
7	SEC	Line GX	LINE G	MH1	Heaton Park Farm	Manchester	S	VC	Circular 150mm	28.03 m
8	SEC	MH1X	MH1	CARRIER	Heaton Park Farm	Manchester	S	VC	Circular 150mm	4.25 m
9	SEC	MH5X	MH5	MH2	Heaton Park Farm	Manchester	F	VC	Circular 100mm	15.40 m
10	SEC	MH6X	MH6	MH2	Heaton Park Farm	Manchester	F	VC	Circular 100mm	5.60 m
11	SEC	MH2X	MH2	MH3	Heaton Park Farm	Manchester	F	VC	Circular 100mm	4.27 m
12	SEC	MH7X	MH7	MH3	Heaton Park Farm	Manchester	F	VC	Circular 150mm	11.63 m
13	SEC	UnknownX	UNKNOWN	MH7	Heaton Park Farm	Manchester	F	VC	Circular 150mm	0.79 m
14	SEC	MH8X	MH8	MH3	Heaton Park Farm	Manchester	F	VC	Circular 150mm	6.16 m
15	SEC	MH10X	MH10	MH8	Heaton Park Farm	Manchester	F	VC	Circular 150mm	16.63 m
16	SEC	MH3X	MH3	MH11	Heaton Park Farm	Manchester	F	VC	Circular 150mm	21.90 m
17	SEC	MH11X	MH11	MH12	Heaton Park Farm	Manchester	F	VC	Circular 150mm	22.46 m
18	SEC	Line AX	LINE A	MH9	Heaton Park Farm	Manchester	S	PVC	Circular 150mm	0.68 m
19	SEC	Line BX	LINE B	MH9	Heaton Park Farm	Manchester	S	VC	Circular 100mm	0.88 m
20	SEC	Line CX	LINE C	MH9	Heaton Park Farm	Manchester	S	VC	Circular 100mm	3.81 m
21	SEC	MH9X	MH9	UNKNOWN	Heaton Park Farm	Manchester	S	VC	Circular 100mm	2.19 m
22	SEC	UnknownX	UNKNOWN	MH4	Heaton Park Farm	Manchester	S	VC	Circular 100mm	2.08 m
23	SEC	MH9X	MH9	MH1	Heaton Park Farm	Manchester	S	VC	Circular 150mm	31.94 m
24	SEC	MH9X	MH9	LINE X	Heaton Park Farm	Manchester	S	VC	Circular 100mm	8.39 m
25	SEC	LINE A X	LINE A	MH4	Heaton Park Farm	Manchester	S	VC	Circular 100mm	2.33 m
									Total:	**218.22 m**

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Project Summary

Project Name	Project Number	Project Date
2025_10_13 Heaton Park Farm_		13/10/2025

Pipe Levels

No.	PLR	Upstream Node	Upstream C.L.	Upstream I.L.	Upstream I.D.	Downstream Node	Downstream C.L.	Downstream I.L.	Downstream I.D.
1	Line AX	LINE A			0.000 m	MH1			1.800 m
2	Line BX	LINE B			0.000 m	MH1			0.000 m
3	Line CX	LINE C			0.000 m	MH1			0.000 m
4	Line DX	LINE D			0.000 m	MH1			0.000 m
5	MH4X	MH4			0.000 m	MH1			0.000 m
6	Line FX	LINE F			0.000 m	MH1			0.000 m
7	Line GX	LINE G			0.000 m	MH1			0.000 m
8	MH1X	MH1			0.000 m	CARRIER			0.000 m
9	MH5X	MH5			0.000 m	MH2			0.750 m
10	MH6X	MH6			0.000 m	MH2			0.750 m
11	MH2X	MH2			0.750 m	MH3			0.000 m
12	MH7X	MH7			0.000 m	MH3			0.000 m
13	UnknownX	UNKNOWN			0.000 m	MH7			0.000 m
14	MH8X	MH8			0.000 m	MH3			0.000 m
15	MH10X	MH10			0.000 m	MH8			0.000 m
16	MH3X	MH3			0.000 m	MH11			0.000 m
17	MH11X	MH11			0.000 m	MH12			0.000 m
18	Line AX	LINE A			0.000 m	MH9			0.850 m
19	Line BX	LINE B			0.000 m	MH9			0.000 m
20	Line CX	LINE C			0.000 m	MH9			0.000 m
21	MH9X	MH9			0.000 m	UNKNOWN			0.000 m
22	UnknownX	UNKNOWN			0.000 m	MH4			1.100 m
23	MH9X	MH9			0.000 m	MH1			0.000 m
24	MH9X	MH9			0.000 m	LINE X			0.000 m
25	LINE A X	LINE A			0.000 m	MH4			0.000 m

Pipe Summary by Profile

Profile	Total Length	No. Pipes
Circular 100mm	0.50 m	
Circular 100mm	2.81 m	

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Project Summary

Project Name	Project Number	Project Date
2025_10_13 Heaton Park Farm_		13/10/2025

Profile		Total Length	No. Pipes
Circular 100mm		7.26 m	
Circular 100mm		9.36 m	
Circular 100mm		15.40 m	
Circular 100mm		5.60 m	
Circular 100mm		4.27 m	
Circular 100mm		0.88 m	
Circular 100mm		3.81 m	
Circular 100mm		2.19 m	
Circular 100mm		2.08 m	
Circular 100mm		8.39 m	
Circular 100mm		2.33 m	
Circular 100mm	=	64.89 m	13
Circular 150mm		5.85 m	
Circular 150mm		3.00 m	
Circular 150mm		28.03 m	
Circular 150mm		4.25 m	
Circular 150mm		11.63 m	
Circular 150mm		0.79 m	
Circular 150mm		6.16 m	
Circular 150mm		16.63 m	
Circular 150mm		21.90 m	
Circular 150mm		22.46 m	
Circular 150mm		0.68 m	
Circular 150mm		31.94 m	
Circular 150mm	=	153.33 m	12
Total	**=**	**218.22 m**	**25**

Inspection Summary

Pipe No.	Insp. No.	Upstream Node	Downstream Node	Dir.	Operator	Insp. Date	Insp. Time	Str	Ser	Final Observation	Length
1	**1**	**LINE A**	**MH1**	**US**		**13/10/2025**	**8:54**	**1**	**1**	**SA, due to silt**	**0.50 m**
2	1	LINE B	MH1	US		13/10/2025	9:01	1	1	GYF, Downpipe from gutter	2.81 m
3	**1**	**LINE C**	**MH1**	**US**		**13/10/2025**	**9:08**	**1**	**1**	**SA, unable to push camera further**	**7.26 m**
4	**1**	**LINE D**	**MH1**	**US**		**13/10/2025**	**9:12**	**5**	**3**	**SA, due to collapsed pipe**	**9.36 m**
5	1	MH4	MH1	US		13/10/2025	9:23	1	3	MHF	5.85 m
6	**1**	**LINE F**	**MH1**	**US**		**13/10/2025**	**9:28**	**1**	**1**	**SA, due to too much debris in line, needs cleanin**	**3.00 m**
7	**1**	**LINE G**	**MH1**	**US**		**13/10/2025**	**9:34**	**4**	**4**	**SA, due to too much silt and debris in line, needs**	**28.03 m**

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Project Summary

Project Name	Project Number	Project Date
2025_10_13 Heaton Park Farm_		13/10/2025

Pipe No.	Insp. No.	Upstream Node	Downstream Node	Dir.	Operator	Insp. Date	Insp. Time	Str	Ser	Final Observation	Length
8	**1**	**MH1**	**CARRIER**	**DS**		**13/10/2025**	**9:47**	**1**	**4**	**SA, Due to pipe size change**	**4.25 m**
9	1	MH5	MH2	US		13/10/2025	10:35	1	1	MHF, HEAD OF FOUL SYSTEM	15.40 m
10	1	MH6	MH2	US		13/10/2025	10:40	1	3	MHF, Manhole needs cleaning out	5.60 m
11	1	MH2	MH3	DS		13/10/2025	10:48	1	1	MHF, On a dropper	3.80 m
12	1	MH7	MH3	US		13/10/2025	11:15	1	2	MHF, Burried Manhole	11.63 m
13	**1**	**UNKNOWN**	**MH7**	**US**		**13/10/2025**	**11:18**	**1**	**1**	**SA, Unable to camera up bend**	**0.79 m**
14	1	MH8	MH3	US		13/10/2025	12:38	1	1	MHF, Under the astroturf	6.16 m
15	1	MH10	MH8	US		13/10/2025	12:42	4	3	MHF, Burried Manhole	16.63 m
16	1	MH3	MH11	DS		13/10/2025	13:13	1	3	MHF	21.90 m
17	**1**	**MH11**	**MH12**	**DS**		**13/10/2025**	**13:23**	**4**	**2**	**SA, due to encrustation at joint**	**22.46 m**
18	**1**	**LINE A**	**MH9**	**US**		**13/10/2025**	**13:51**	**1**	**5**	**SA, due to solid debris in line**	**0.68 m**
19	**1**	**LINE B**	**MH9**	**US**		**13/10/2025**	**13:55**	**1**	**3**	**SA, unable to get around bend, possible gully**	**0.88 m**
20	**1**	**LINE C**	**MH9**	**US**		**13/10/2025**	**14:01**	**1**	**4**	**SA, unable to get passed displaced joint**	**3.81 m**
21	**1**	**MH9**	**UNKNOWN**	**DS**		**13/10/2025**	**14:07**	**1**	**3**	**SA, due to stick in line**	**2.19 m**
22	**1**	**UNKNOWN**	**MH4**	**US**		**13/10/2025**	**14:14**	**1**	**4**	**SA, unable to get through. possible collapse**	**2.08 m**
23	1	MH9	MH1	US	Mike	10/11/2025	10:25	4	5	OCF, CAPPED OFF	31.94 m
24	1	MH9	LINE X	DS	Mike	10/11/2025	13:30	2	4	OCF, JOINS LINE FROM MH1	8.39 m
25	**1**	**LINE A**	**MH4**	**US**	**Mike**	**10/11/2025**	**14:22**	**5**	**4**	**SA, ON COLLAPSE**	**2.33 m**
										Total:	**217.72 m**

Inspection Summary by Profile

Profile	Total Length	No. Inspections
Circular 100mm	0.50 m	
Circular 100mm	2.81 m	
Circular 100mm	7.26 m	
Circular 100mm	9.36 m	
Circular 100mm	15.40 m	
Circular 100mm	5.60 m	
Circular 100mm	3.80 m	
Circular 100mm	0.88 m	
Circular 100mm	3.81 m	
Circular 100mm	2.19 m	
Circular 100mm	2.08 m	

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Project Summary

Project Name	Project Number	Project Date
2025_10_13 Heaton Park Farm_		13/10/2025

Profile		Total Length	No. Inspections
Circular 100mm		8.39 m	
Circular 100mm		2.33 m	
Circular 100mm	=	64.40 m	13
Circular 150mm		5.85 m	
Circular 150mm		3.00 m	
Circular 150mm		28.03 m	
Circular 150mm		4.25 m	
Circular 150mm		11.63 m	
Circular 150mm		0.79 m	
Circular 150mm		6.16 m	
Circular 150mm		16.63 m	
Circular 150mm		21.90 m	
Circular 150mm		22.46 m	
Circular 150mm		0.68 m	
Circular 150mm		31.94 m	
Circular 150mm	=	153.32 m	12
Total	**=**	**217.72 m**	**25**

Defect Summary

				CCTV Drainage Survey Observation Count																			
				General				Structural Condition									Service Condition						Misc	
Sect. No.	Insp. No.	Upstream Node	Downstream Node	Insp. Length (m)	No. Grade 4/5 Obs.	Survey Abandoned	Camera Under Water	Cracks	Fractures	Broken	Deformed	Collapsed	Holes	Surface Damage	Displaced Joints	Open Joints	Roots	Infiltration	Encrustation	Silt	Grease	Obstruction	Water Level	Line Deviates
1	**1**	**LINE A**	**MH1**	**0.5**		**1**																	**1**	
2	1	LINE B	MH1	2.8																			3	3
3	**1**	**LINE C**	**MH1**	**7.3**		**1**	**1**																**2**	
4	**1**	**LINE D**	**MH1**	**9.4**	**2**	**1**				**1**		**1**			**2**								**1**	**1**
5	1	MH4	MH1	5.8											1								1	1
6	**1**	**LINE F**	**MH1**	**3.0**		**1**																	**1**	**1**
7	**1**	**LINE G**	**MH1**	**28.0**	**2**	**1**				**1**					**3**					**2**			**1**	
8	**1**	**MH1**	**CARRIER**	**4.3**	**3**	**1**									**3**								**1**	
9	1	MH5	MH2	15.4																			1	

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Project Summary

Project Name	Project Number	Project Date
2025_10_13 Heaton Park Farm_		13/10/2025

Sect. No.	Insp. No.	Upstream Node	Downstream Node	Insp. Length (m)	No. Grade 4/5 Obs.	Survey Abandoned	Camera Under Water	Cracks	Fractures	Broken	Deformed	Collapsed	Holes	Surface Damage	Displaced Joints	Open Joints	Roots	Infiltration	Encrustation	Silt	Grease	Obstruction	Water Level	Line Deviates
10	1	MH6	MH2	5.6											1				2				1	2
11	1	MH2	MH3	3.8																			1	
12	1	MH7	MH3	11.6													1						1	1
13	**1**	**UNKNOWN**	**MH7**	**0.8**		**1**																	**1**	**1**
14	1	MH8	MH3	6.2																			1	
15	1	MH10	MH8	16.6	1					1					1								1	
16	1	MH3	MH11	21.9											1								1	
17	**1**	**MH11**	**MH12**	**22.5**	**1**	**1**				**1**							**2**						**1**	
18	**1**	**LINE A**	**MH9**	**0.7**		**1**																	**1**	
19	**1**	**LINE B**	**MH9**	**0.9**		**1**														**1**			**1**	**1**
20	**1**	**LINE C**	**MH9**	**3.8**	**1**	**1**									**4**								**1**	
21	**1**	**MH9**	**UNKNOWN**	**2.2**		**1**									**2**								**1**	
22	**1**	**UNKNOWN**	**MH4**	**2.1**		**1**									**1**								**1**	
23	1	MH9	MH1	31.9	4			3		1				1	3	1	3			1		1	1	3
24	1	MH9	LINE X	8.4	3			1							1	2	1			2			1	3
25	**1**	**LINE A**	**MH4**	**2.3**	**1**	**1**						**1**											**1**	**2**
			Total:	**217.7**	**18**	**14**	**1**	**4**									**7**		**2**	**6**		**1**	**28**	**19**

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Section Inspection - 13/10/2025 - Line AX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
1	1	13/10/25	8:54	Not Specified	Not Specified	Not Specified	LINE AX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified	[redacted]	Rodder	Not Specified	Not Specified	Not Specified

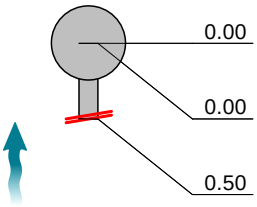
Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	LINE A
Road:	Heaton Park Farm	**Inspected Length:**	0.50 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	0.50 m	**Downstream Node:**	MH1
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	1.800 m

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	100 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:		**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: **1:50** **Position [m]** **Code** **Observation** **MPEG** **Photo** **Grade**

Depth: 1.80 m
MH1



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH1: Line A	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension	00:00:02		
0.50	SA	Survey abandoned: due to silt	00:00:17		

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 - 13/10/2025 - Line BX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
2	1	13/10/25	9:01	Not Specified	Not Specified	Not Specified	LINE BX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified	[redacted]	Rodder	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	LINE B
Road:	Heaton Park Farm	**Inspected Length:**	2.81 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	2.81 m	**Downstream Node:**	MH1
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	100 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:		**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	BN	Start node, buchan trap, reference: MH1: Line B	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension	00:00:01		
0.08	CN	Connection other than junction at 9 o'clock, 100mm dia	00:00:06		
0.23	LL	Line deviates left	00:00:12		
0.38	WL	Water level, 10% of the vertical dimension	00:00:16		
0.70	WL	Water level, 5% of the vertical dimension	00:00:24		
1.99	LR	Line deviates right	00:00:45		
2.56	LD	Line deviates down	00:00:55		
2.81	GYF	Finish node, gully, reference: Line B: Downpipe from gutter	00:01:03		

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 - 13/10/2025 - Line CX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
3	1	13/10/25	9:08	Not Specified	Not Specified	Not Specified	LINE CX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified	[redacted]	Rodder	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	LINE C
Road:	Heaton Park Farm	**Inspected Length:**	7.26 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	7.26 m	**Downstream Node:**	MH1
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	100 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:		**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:63



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH1: Line C	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
6.37	CN	Connection other than junction at 9 o'clock, 100mm dia	00:01:09		
6.94	WL	Water level, 30% of the vertical dimension	00:01:17		
7.25	CUW	Loss of vision, camera under water	00:01:23		
7.26	SA	Survey abandoned: unable to push camera further	00:01:25		
7.26		End of pipe			

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 - 13/10/2025 - Line DX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
4	1	13/10/25	9:12	Not Specified	Not Specified	Not Specified	LINE DX

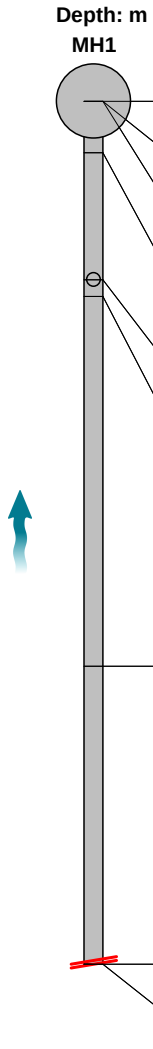
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified	[redacted]	Rodder	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	LINE D
Road:	Heaton Park Farm	**Inspected Length:**	9.36 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	9.36 m	**Downstream Node:**	MH1
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	100 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:		**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:82



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH1	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension	00:00:00		
0.00	LR	Line deviates right	00:00:01		
0.56	JDM	Joint displaced, medium	00:00:14		1 / 3
1.94	CN	Connection other than junction at 12 o'clock, 100mm dia	00:00:29		
2.12	JDM	Joint displaced, medium	00:00:36		1 / 3
6.13	B	Broken pipe from 10 o'clock to 1 o'clock: piece of broken pipe	00:01:17		4
9.36	XP	Collapsed drain or sewer	00:03:29		5
9.36	SA	Survey abandoned: due to collapsed pipe	00:03:33		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
4	165.0	26.4	247.0	5.0	2	2.0	0.4	4.0	3.0

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Section Inspection - 13/10/2025 - MH4X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
5	1	13/10/25	9:23	Not Specified	Not Specified	Not Specified	MH4X

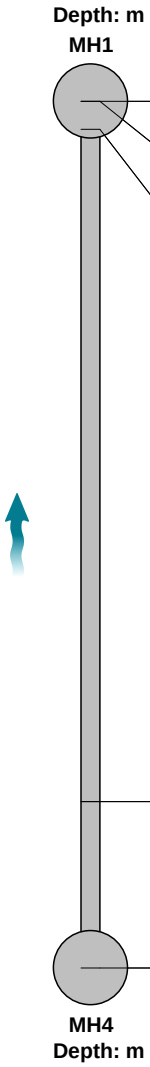
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified	[redacted]	Rodder	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	MH4
Road:	Heaton Park Farm	**Inspected Length:**	5.85 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	5.85 m	**Downstream Node:**	MH1
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	150 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:		**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:51



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH1	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension	00:00:00		
0.19	JDM	Joint displaced, medium	00:00:10		1 / 3
4.73	LU	Line deviates up	00:00:56		
5.85	MHF	Finish node, manhole, reference: MH4	00:01:39		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	1.0	0.2	1.0	1.0	1	2.0	0.3	2.0	3.0

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Section Inspection - 13/10/2025 - Line FX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
6	1	13/10/25	9:28	Not Specified	Not Specified	Not Specified	LINE FX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified	[redacted]	Rodder	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	LINE F
Road:	Heaton Park Farm	**Inspected Length:**	3.00 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	3.00 m	**Downstream Node:**	MH1
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	150 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:		**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH1: Line F	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension	00:00:01		
0.49	LU	Line deviates up	00:00:08		
3.00	SA	Survey abandoned: due to too much debris in line, needs cleaning	00:00:54		
3.00		End of pipe			

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 - 13/10/2025 - Line GX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
7	1	13/10/25	9:34	Not Specified	Not Specified	Not Specified	LINE GX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified	[redacted]	Rodder	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	LINE G
Road:	Heaton Park Farm	**Inspected Length:**	28.03 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	28.03 m	**Downstream Node:**	MH1
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	150 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:		**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:243



Position [m]		Code	Observation	MPEG	Photo	Grade
0.00		MH	Start node, manhole, reference: MH1: Line G	00:00:00		
0.00		WL	Water level, 5% of the vertical dimension	00:00:01		
0.07		JDM	Joint displaced, medium	00:00:07		1 / 3
6.31		JDL	Joint displaced, large	00:00:43		1 / 4
9.35		CN	Connection other than junction at 12 o'clock, 100mm dia	00:01:01		
11.96		JDM	Joint displaced, medium	00:01:34		1 / 3
12.02		CN	Connection other than junction at 3 o'clock, 100mm dia	00:01:39		
12.02	S01	DES	Settled deposits, fine, 15% cross-sectional area loss, start	00:01:37		
23.02		CN	Connection other than junction at 12 o'clock, 100mm dia	00:02:43		
24.27		CN	Connection other than junction at 12 o'clock, 75mm dia	00:02:59		
24.39		CN	Connection other than junction at 12 o'clock, 100mm dia	00:03:02		
25.61		B	Broken pipe at 10 o'clock	00:03:18		4
26.07		CN	Connection other than junction at 11 o'clock, 100mm dia	00:03:28		
28.03	F01	DES	Settled deposits, fine, 15% cross-sectional area loss, finish	00:03:48		3
28.03		SA	Survey abandoned: due to too much silt and debris in line, needs jetting	00:03:50		

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Section Inspection - 13/10/2025 - Line GX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
7	1	13/10/25	9:34	Not Specified	Not Specified	Not Specified	LINE GX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified	[redacted]	Rodder	Not Specified	Not Specified	Not Specified

Scale:	Position [m]	Code	Observation	MPEG	Photo	Grade
	28.03		End of pipe			



Line G

Depth: m

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
4	80.0	3.0	84.0	4.0	4	5.0	1.5	43.0	4.0

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Section Inspection - 13/10/2025 - MH1X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
8	1	13/10/25	9:47	Not Specified	Not Specified	Not Specified	MH1X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified	[redacted]	Rodder	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH1
Road:	Heaton Park Farm	**Inspected Length:**	4.25 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	4.25 m	**Downstream Node:**	CARRIER
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	150 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:		**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH1	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension	00:00:01		
2.63	JDL	Joint displaced, large	00:00:30		1 / 4
3.61	JDL	Joint displaced, large	00:00:41		1 / 4
4.25	JDL	Joint displaced, large	00:00:56		1 / 4
4.25	SA	Survey abandoned: Due to pipe size change	00:00:58		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
3	2.0	1.4	6.0	1.0	3	5.0	3.5	15.0	4.0

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Section Inspection - 13/10/2025 - MH5X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
9	1	13/10/25	10:35	Not Specified	Not Specified	Not Specified	MH5X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified	[redacted]	Rodder	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	MH5
Road:	Heaton Park Farm	**Inspected Length:**	15.40 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	15.40 m	**Downstream Node:**	MH2
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	0.750 m

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:		**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:134



Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.75 m **MH2**					
0.00	MH	Start node, manhole, reference: MH2	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension	00:00:01		
5.10	CN	Connection other than junction at 9 o'clock, 100mm dia	00:00:32		
15.40	MHF	Finish node, manhole, reference: MH5: HEAD OF FOUL SYSTEM	00:01:27		
MH5 **Depth: m**					

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 13/10/2025 - MH6X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
10	1	13/10/25	10:40	Not Specified	Not Specified	Not Specified	MH6X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified	[redacted]	Rodder	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	MH6
Road:	Heaton Park Farm	**Inspected Length:**	5.60 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	5.60 m	**Downstream Node:**	MH2
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	0.750 m

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:		**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]		Code	Observation	MPEG	Photo	Grade
0.00		MH	Start node, manhole, reference: MH2: Line B	00:00:00		
0.00		WL	Water level, 5% of the vertical dimension	00:00:01		
0.97	S01	DEE	Attached deposits, encrustation from 5 o'clock to 7 o'clock, 5% cross-sectional area loss, start	00:00:09		
2.74		JDM	Joint displaced, medium	00:00:37		1 / 3
3.92		CN	Connection other than junction at 9 o'clock, 100mm dia, from .	00:00:46		
4.27		LR	Line deviates right	00:00:50		
4.87		LL	Line deviates left	00:00:55		
5.60	F01	DEE	Attached deposits, encrustation from 5 o'clock to 7 o'clock, 5% cross-sectional area loss, finish	00:01:12		3
5.60		MHF	Finish node, manhole, reference: MH6: Manhole needs cleaning out	00:01:14		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	1.0	0.2	1.0	1.0	2	4.0	2.1	12.0	3.0

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Section Inspection - 13/10/2025 - MH2X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
11	1	13/10/25	10:48	Not Specified	Not Specified	Not Specified	MH2X

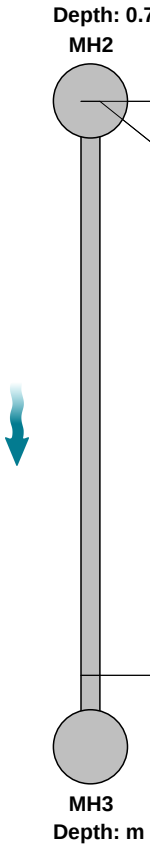
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified	[redacted]	Rodder	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH2
Road:	Heaton Park Farm	**Inspected Length:**	3.80 m	**Upstream Pipe Depth:**	0.750 m
Location:	Property or buildings	**Total Length:**	4.27 m	**Downstream Node:**	MH3
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	100 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:		**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH2	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
3.80	MHF	Finish node, manhole, reference: MH3: On a dropper	00:01:04		

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 - 13/10/2025 - MH7X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
12	1	13/10/25	11:15	Not Specified	Not Specified	Not Specified	MH7X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified	[redacted]	Rodder	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	MH7
Road:	Heaton Park Farm	**Inspected Length:**	11.63 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	11.63 m	**Downstream Node:**	MH3
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:		**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:101



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH3: Line A	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension	00:00:02		
9.68	LL	Line deviates left	00:01:04		
11.00	RFJ	Roots, fine at joint	00:01:16		2
11.63	MHF	Finish node, manhole, reference: MH7: Burried Manhole	00:01:25		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	1.0	0.1	1.0	2.0

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Section Inspection - 13/10/2025 - UnknownX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
13	1	13/10/25	11:18	Not Specified	Not Specified	Not Specified	UNKNOWNX

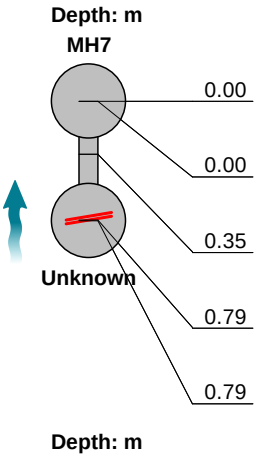
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified	[redacted]	Rodder	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	UNKNOWN
Road:	Heaton Park Farm	**Inspected Length:**	0.79 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	0.79 m	**Downstream Node:**	MH7
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:		**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH7	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension	00:00:00		
0.35	LU	Line deviates up	00:00:04		
0.79	SA	Survey abandoned: Unable to camera up bend	00:00:14		
0.79		End of pipe			

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 - 13/10/2025 - MH8X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
14	1	13/10/25	12:38	Not Specified	Not Specified	Not Specified	MH8X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified	[redacted]	Crawler	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	MH8
Road:	Heaton Park Farm	**Inspected Length:**	6.16 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	6.16 m	**Downstream Node:**	MH3
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:		**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:54

Position [m]	Code	Observation	MPEG	Photo	Grade
		Depth: m			
		MH3			
0.00	MH	Start node, manhole, reference: MH3	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension	00:00:00		
2.00	CN	Connection other than junction at 3 o'clock, 150mm dia	00:00:19		
4.42	CN	Connection other than junction at 12 o'clock, 150mm dia	00:00:53		
6.16	MHF	Finish node, manhole, reference: MH8: Under the astroturf	00:01:26		
		MH8			
		Depth: m			

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 13/10/2025 - MH10X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
15	1	13/10/25	12:42	Not Specified	Not Specified	Not Specified	MH10X

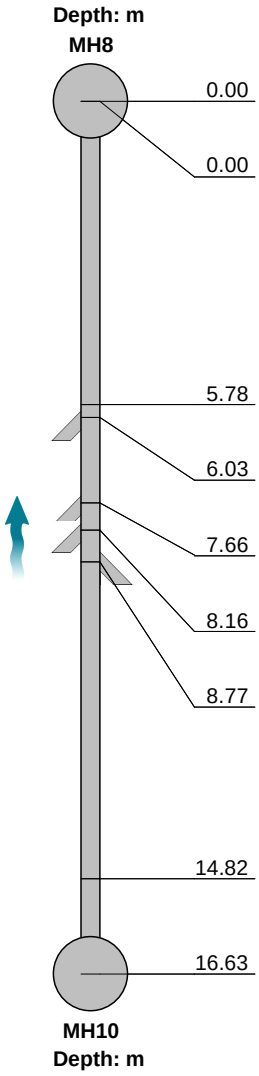
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified	[redacted]	Crawler	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	MH10
Road:	Heaton Park Farm	**Inspected Length:**	16.63 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	16.63 m	**Downstream Node:**	MH8
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:		**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:144



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH8: Burried under atroturf	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension	00:00:01		
5.78	JDM	Joint displaced, medium	00:00:36		1 / 3
6.03	CN	Connection other than junction at 3 o'clock, 100mm dia	00:00:40		
7.66	CN	Connection other than junction at 1 o'clock, 100mm dia	00:01:06		
8.16	CN	Connection other than junction at 3 o'clock, 150mm dia	00:01:26		
8.77	CN	Connection other than junction at 9 o'clock, 150mm dia	00:01:42		
14.82	B	Broken pipe at 12 o'clock	00:02:39		4
16.63	MHF	Finish node, manhole, reference: MH10: Burried Manhole	00:03:14		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
2	80.0	4.9	81.0	4.0	1	2.0	0.1	2.0	3.0

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Section Inspection - 13/10/2025 - MH3X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
16	1	13/10/25	13:13	Not Specified	Not Specified	Not Specified	MH3X

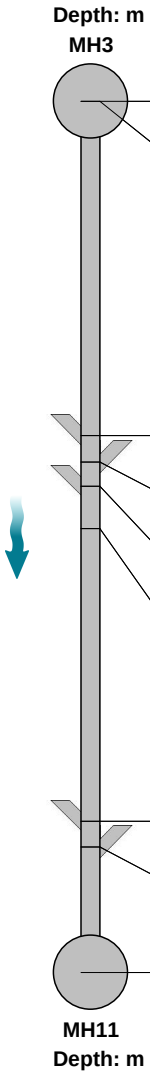
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified	[redacted]	Crawler	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH3
Road:	Heaton Park Farm	**Inspected Length:**	21.90 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	21.90 m	**Downstream Node:**	MH11
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:		**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:190



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH3	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
8.42	CN	Connection other than junction at 3 o'clock, 150mm dia	00:00:56		
9.08	CN	Connection other than junction at 9 o'clock, 150mm dia	00:01:15		
9.69	CN	Connection other than junction at 1 o'clock, 150mm dia	00:01:33		
10.75	JDM	Joint displaced, medium	00:01:47		1 / 3
18.10	CN	Connection other than junction at 2 o'clock, 150mm dia	00:02:43		
18.74	CN	Connection other than junction at 9 o'clock, 150mm dia	00:03:01		
21.90	MHF	Finish node, manhole, reference: MH11	00:03:43		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	1.0	0.0	1.0	1.0	1	2.0	0.1	2.0	3.0

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Section Inspection - 13/10/2025 - MH11X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
17	1	13/10/25	13:23	Not Specified	Not Specified	Not Specified	MH11X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified	[redacted]	Crawler	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH11
Road:	Heaton Park Farm	**Inspected Length:**	22.46 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	22.46 m	**Downstream Node:**	MH12
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:		**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:195



Position [m]		Code	Observation	MPEG	Photo	Grade
0.00		MH	Start node, manhole, reference: MH11: Under building	00:00:00		
0.00		WL	Water level, 5% of the vertical dimension	00:00:01		
1.00	S01	RF	Roots, fine, start: attached to line of pipe	00:00:15		
5.51		CN	Connection other than junction at 12 o'clock, 150mm dia	00:00:57		
8.87	F01	RF	Roots, fine, finish: attached to line of pipe	00:02:44		2
13.12		CN	Connection other than junction at 9 o'clock, 150mm dia	00:03:20		
20.77		CN	Connection other than junction at 12 o'clock, 150mm dia	00:04:29		
21.55		B	Broken pipe at 12 o'clock: Looks like a hole in the pipework	00:05:38		4
22.46		SA	Survey abandoned: due to encrustation at joint	00:08:09		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	80.0	3.7	80.0	4.0	1	1.0	0.4	8.0	2.0

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Section Inspection - 13/10/2025 - Line AX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
18	1	13/10/25	13:51	Not Specified	Not Specified	Not Specified	LINE AX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified	[redacted]	Rodder	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	LINE A
Road:	Heaton Park Farm	**Inspected Length:**	0.68 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	0.68 m	**Downstream Node:**	MH9
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	0.850 m

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:		**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:		**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50

Position [m]	Code	Observation	MPEG	Photo	Grade
		Depth: 0.85 m			
		MH9			
0.00	MH	Start node, manhole, reference: MH9: Line A	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension	00:00:01		
0.66	DEC	Settled deposits, hard or compacted, 100% cross-sectional area loss	00:00:17		5
0.68	SA	Survey abandoned: due to solid debris in line	00:00:18		
0.68		End of pipe			
		Line A			
		Depth: m			

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	10.0	14.7	10.0	5.0

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Section Inspection - 13/10/2025 - Line BX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
19	1	13/10/25	13:55	Not Specified	Not Specified	Not Specified	LINE BX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified	[redacted]	Rodder	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	LINE B
Road:	Heaton Park Farm	**Inspected Length:**	0.88 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	0.88 m	**Downstream Node:**	MH9
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:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:		**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH9: Line B	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension	00:00:01		
0.10	DES	Settled deposits, fine, 10% cross-sectional area loss	00:00:06		3
0.60	LD	Line deviates down	00:00:22		
0.88	SA	Survey abandoned: unable to get around bend, possible gully	00:00:31		
0.88		End of pipe			

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	2.0	2.3	2.0	3.0

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Section Inspection - 13/10/2025 - Line CX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
20	1	13/10/25	14:01	Not Specified	Not Specified	Not Specified	LINE CX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified	[redacted]	Rodder	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	LINE C
Road:	Heaton Park Farm	**Inspected Length:**	3.81 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	3.81 m	**Downstream Node:**	MH9
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:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:		**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH9: Line C	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension	00:00:01		
0.38	JDM	Joint displaced, medium	00:00:10		1 / 3
1.31	JDM	Joint displaced, medium	00:00:23		1 / 3
1.88	JDM	Joint displaced, medium	00:00:30		1 / 3
3.51	CN	Connection other than junction at 3 o'clock, 100mm dia	00:00:55		
3.76	JDL	Joint displaced, large	00:01:01		1 / 4
3.81	SA	Survey abandoned: unable to get passed displaced joint	00:01:17		
3.81		End of pipe			

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
4	2.0	1.3	5.0	1.0	4	5.0	2.9	11.0	4.0

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Section Inspection - 13/10/2025 - MH9X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
21	1	13/10/25	14:07	Not Specified	Not Specified	Not Specified	MH9X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified	[redacted]	Rodder	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH9
Road:	Heaton Park Farm	**Inspected Length:**	2.19 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	2.19 m	**Downstream Node:**	UNKNOWN
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:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:		**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH9	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension	00:00:00		
0.76	JDM	Joint displaced, medium	00:00:10		1 / 3
2.09	JDM	Joint displaced, medium	00:00:20		1 / 3
2.19	SA	Survey abandoned: due to stick in line	00:00:31		

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	0.9	2.0	1.0	2	2.0	1.8	4.0	3.0

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Section Inspection - 13/10/2025 - UnknownX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
22	1	13/10/25	14:14	Not Specified	Not Specified	Not Specified	UNKNOWNX

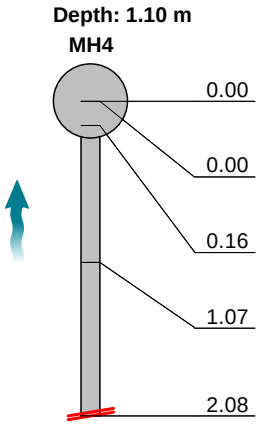
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified	[redacted]	Rodder	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	UNKNOWN
Road:	Heaton Park Farm	**Inspected Length:**	2.08 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	2.08 m	**Downstream Node:**	MH4
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	1.100 m

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:		**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH4	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension	00:00:02		
0.16	JDM	Joint displaced, medium	00:00:10		1 / 3
1.07	DEC	Settled deposits, hard or compacted, 20% cross-sectional area loss	00:00:22		4
2.08	SA	Survey abandoned: unable to get through. possible collapse	00:00:37		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	1.0	0.5	1.0	1.0	2	5.0	3.4	7.0	4.0

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Section Inspection - 10/11/2025 - MH9X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
23	1	10/11/25	10:25	Not Specified	No Rain Or Snow	Yes	MH9X

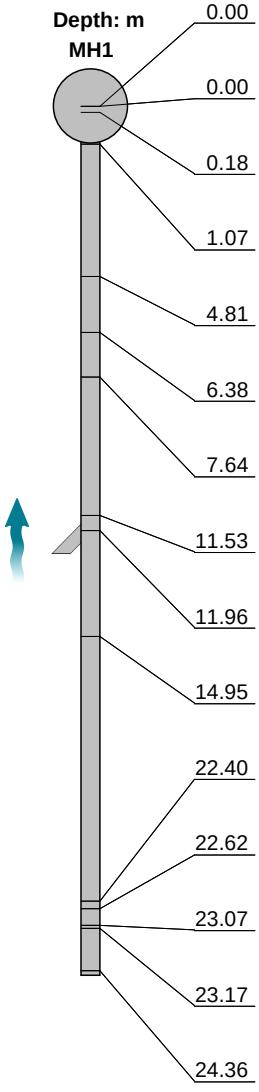
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
MIKE	[redacted]	Rodder	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	MH9
Road:	Heaton Park Farm	**Inspected Length:**	31.94 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	31.94 m	**Downstream Node:**	MH1
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:213



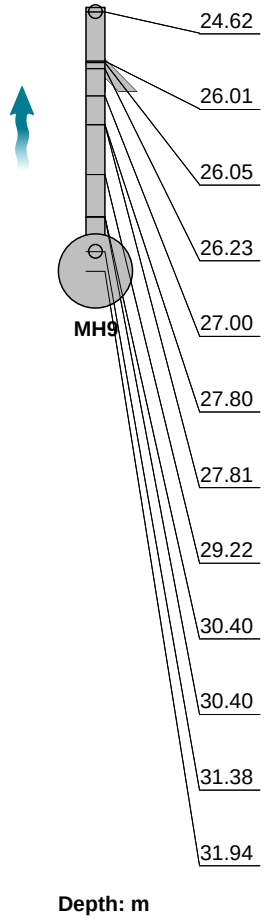
Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH1: US TO MH9	00:00:01		
0.00	WL	Water level, 5% of the vertical dimension	00:00:02	MH9X_5ed6a210-9c05-4eea-b	
0.18	BJ	Broken pipe at joint from 6 o'clock to 9 o'clock	00:00:14	MH9X_e2ecfa91-509d-43cb-9	4
1.07	LU	Line deviates up: SLIGHT	00:00:28	MH9X_92249836-1911-4faf-9d	
4.81	DES	Settled deposits, fine, 10% cross-sectional area loss	00:01:06	MH9X_c8cef73b-3216-4bc6-a9	3
6.38	JDL	Joint displaced, large	00:01:23	MH9X_8b1c8d31-ec6b-4041-b	1 / 4
7.64	DEZ	Attached deposits, other from 6 o'clock to 11 o'clock, 20% cross-sectional area loss: GROUT AT JOINT	00:01:48	MH9X_a1f25817-d118-4847-b4	3
11.53	JDL	Joint displaced, large	00:02:43	MH9X_aedd7e82-d549-4b46-b	1 / 4
11.96	JN	Junction at 2 o'clock, 100mm dia	00:02:53	MH9X_cb807e4e-8d08-4c28-a7	
14.95	JDM	Joint displaced, medium	00:03:20	MH9X_f8e1a26d-e93d-4f45-a1d	1 / 3
22.40	OJL	Open joint, large	00:04:20	MH9X_a29f2b7b-cfeb-4555-93	1
22.62	SS	Surface damage, spalling at 12 o'clock	00:04:30	MH9X_aa170d88-4a92-4501-8	2
23.07	LR	Line deviates right: SLIGHT	00:04:42	MH9X_53f1576c-f4d9-4926-91	
23.17	RPH	Point repair, hole repaired at 12 o'clock	00:04:49	MH9X_fbc01ca7-450e-4c08-96	
24.36	RPH	Point repair, hole repaired at 12 o'clock	00:05:12	MH9X_2c5683e6-9e05-4988-a7	

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Section Inspection - 10/11/2025 - MH9X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
23	1	10/11/25	10:25	Not Specified	No Rain Or Snow	Yes	MH9X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
MIKE	[redacted]	Rodder	Not Specified	Not Specified	Not Specified



Scale: 1:213 Position [m]	Code	Observation	MPEG	Photo	Grade
24.62	JN	Junction at 12 o'clock, 100mm dia	00:05:19	MH9X_22010e17-afa6-4974-9	
26.01	MCPVC	Pipe material changes to polyvinyl chloride at this point	00:05:37	MH9X_482a3339-f11c-48de-9	
26.05	CL	Crack, longitudinal at 11 o'clock	00:05:39	MH9X_03aad289-747d-4b36-b	2 / 2
26.23	CXI	Connection defective, connecting pipe is intruding at 11 o'clock, 100mm dia, intrusion: 15%, from 3: 3	00:05:47	MH9X_a897acee-f191-4d8b-9	3
27.00	MCVC	Pipe material changes to vitrified clay at this point	00:05:59	MH9X_861ec5fa-d2ec-4d7b-8	
27.80	CLJ	Crack, longitudinal at joint at 3 o'clock	00:06:12	MH9X_f888473d-fac0-434d-a9	2 / 2
27.81	CLJ	Crack, longitudinal at joint at 9 o'clock	00:06:21	MH9X_0819d3be-8c36-4f83-af	2 / 2
29.22	RPH	Point repair, hole repaired from 10 o'clock to 12 o'clock	00:06:41	MH9X_96b41881-c94a-4683-9f	
30.40	LL	Line deviates left	00:07:03	MH9X_4eaf8462-2684-4d16-8	
30.40	OBZ	Other obstacles from 5 o'clock to 6 o'clock, 15% cross-sectional area loss: UNKNOWN	00:07:07	MH9X_dc59cc95-78c0-404c-b8	5
31.38	JN	Junction at 12 o'clock, 100mm dia	00:07:23	MH9X_78a41e4d-3d9d-44ee-8	
31.94	OCF	Finish node, other special chamber, reference: MH9: CAPPED OFF	00:07:36	MH9X_d750ae51-1589-4b9a-b	

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
9	80.0	4.3	137.0	4.0	10	10.0	1.0	31.0	5.0

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Section Pictures - 10/11/2025 - MH9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
23	Upstream	MH9X		



MH9X_5ed6a210-9c05-4eea-b497-87bea65baeac_20251110_102547_295.jpg, 00:00:02, 0.00 m
Water level, 5% of the vertical dimension



MH9X_e2ecfa91-509d-43cb-914b-746af9b61e7d_20251110_102611_721.jpg, 00:00:14, 0.18 m
Broken pipe at joint from 6 o'clock to 9 o'clock

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Section Pictures - 10/11/2025 - MH9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
23	Upstream	MH9X		



MH9X_92249836-1911-4faf-9ddb-bcc6133bb7da_20251110_102639_455.jpg, 00:00:28, 1.07 m
Line deviates up



MH9X_c8cef73b-3216-4bc6-a9d4-40434f33d9bc_20251110_102715_905.jpg, 00:01:06, 4.81 m
Settled deposits, fine, 10% cross-sectional area loss

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Section Pictures - 10/11/2025 - MH9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
23	Upstream	MH9X		



MH9X_8b1c8d31-ec6b-4041-b492-226cc4937f75_20251110_102736_111.jpg, 00:01:23, 6.38 m
Joint displaced, large



MH9X_a1f25817-d118-4847-b492-ea8e3ccc1aee_20251110_102833_376.jpg, 00:01:48, 7.64 m
Attached deposits, other from 6 o'clock to 11 o'clock, 20% cross-sectional area loss

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Section Pictures - 10/11/2025 - MH9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
23	Upstream	MH9X		



MH9X_aedd7e82-d549-4b46-bee5-6048c58597f3_20251110_102926_522.jpg, 00:02:43, 11.53 m
Joint displaced, large



MH9X_cb807e4e-8d08-4c28-a7b7-28db865d21e0_20251110_102950_023.jpg, 00:02:53, 11.96 m
Junction at 2 o'clock, 100mm dia

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Section Pictures - 10/11/2025 - MH9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
23	Upstream	MH9X		



MH9X_f8e1a26d-e93d-4f45-a1d0-85ed86541ebd_20251110_103021_297.jpg, 00:03:20, 14.95 m
Joint displaced, medium



MH9X_a29f2b7b-cfeb-4555-9311-54b895e00672_20251110_103122_808.jpg, 00:04:20, 22.40 m
Open joint, large

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Section Pictures - 10/11/2025 - MH9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
23	Upstream	MH9X		



MH9X_aa170d88-4a92-4501-8406-a1993961c291_20251110_103148_521.jpg, 00:04:30, 22.62 m
Surface damage, spalling at 12 o'clock



MH9X_53f1576c-f4d9-4926-910b-a080c254fc46_20251110_103205_801.jpg, 00:04:42, 23.07 m
Line deviates right

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Section Pictures - 10/11/2025 - MH9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
23	Upstream	MH9X		



MH9X_fbc01ca7-450e-4c08-966b-6d3e3ae2ebae_20251110_103227_744.jpg, 00:04:49, 23.17 m
Point repair, hole repaired at 12 o'clock



MH9X_2c5683e6-9e05-4988-a733-dc27318525b7_20251110_103255_792.jpg, 00:05:12, 24.36 m
Point repair, hole repaired at 12 o'clock

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Section Pictures - 10/11/2025 - MH9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
23	Upstream	MH9X		



MH9X_22010e17-afa6-4974-97af-30141865eeca_20251110_103307_520.jpg, 00:05:19, 24.62 m
Junction at 12 o'clock, 100mm dia



MH9X_482a3339-f11c-48de-9b88-c2d41b1687d7_20251110_103330_097.jpg, 00:05:37, 26.01 m
Pipe material changes to polyvinyl chloride at this point

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Section Pictures - 10/11/2025 - MH9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
23	Upstream	MH9X		



MH9X_03aad289-747d-4b36-b072-ef63b22686be_20251110_103336_151.jpg, 00:05:39, 26.05 m
Crack, longitudinal at 11 o'clock



MH9X_a897acee-f191-4d8b-9cac-83bba7a233b6_20251110_103408_799.jpg, 00:05:47, 26.23 m
Connection defective, connecting pipe is intruding at 11 o'clock, 100mm dia, intrusion: 15%, from 3

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Section Pictures - 10/11/2025 - MH9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
23	Upstream	MH9X		



MH9X_861ec5fa-d2ec-4d7b-8b6e-0f89b05a80b8_20251110_103422_480.jpg, 00:05:59, 27.00 m
Pipe material changes to vitrified clay at this point



MH9X_f888473d-fac0-434d-a91f-487a5a612982_20251110_103447_535.jpg, 00:06:12, 27.80 m
Crack, longitudinal at joint at 3 o'clock

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Section Pictures - 10/11/2025 - MH9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
23	Upstream	MH9X		



MH9X_0819d3be-8c36-4f83-afa6-12748a6d4945_20251110_103458_177.jpg, 00:06:21, 27.81 m
Crack, longitudinal at joint at 9 o'clock



MH9X_96b41881-c94a-4683-9fdc-cf57ab83f56f_20251110_103526_891.jpg, 00:06:41, 29.22 m
Point repair, hole repaired from 10 o'clock to 12 o'clock

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Section Pictures - 10/11/2025 - MH9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
23	Upstream	MH9X		



MH9X_4eaf8462-2684-4d16-832f-167018c801bf_20251110_103556_778.jpg, 00:07:03, 30.40 m
Line deviates left



MH9X_dc59cc95-78c0-404c-b83c-8462d613f2e9_20251110_103631_711.jpg, 00:07:07, 30.40 m
Other obstacles from 5 o'clock to 6 o'clock, 15% cross-sectional area loss

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Section Pictures - 10/11/2025 - MH9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
23	Upstream	MH9X		



MH9X_78a41e4d-3d9d-44ee-81c9-c2ab194da559_20251110_103654_057.jpg, 00:07:23, 31.38 m
Junction at 12 o'clock, 100mm dia



MH9X_d750ae51-1589-4b9a-baf1-1c1473ca259c_20251110_103718_290.jpg, 00:07:36, 31.94 m
Finish node, other special chamber, reference: MH9

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Section Inspection - 10/11/2025 - MH9X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
24	1	10/11/25	13:30	Not Specified	No Rain Or Snow	Yes	MH9X

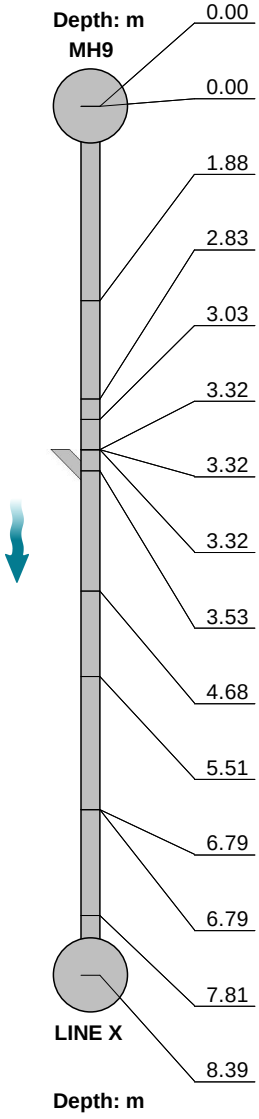
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
MIKE	[redacted]	Rodder	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH9
Road:	Heaton Park Farm	**Inspected Length:**	8.39 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	8.39 m	**Downstream Node:**	LINE X
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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:73



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	CP	Start node, catchpit, reference: MH9: DS LINE X	00:00:39		
0.00	WL	Water level, 5% of the vertical dimension	00:00:39	MH9X_ce09f9c7-3138-476d-ae	
1.88	LD	Line deviates down	00:01:00	MH9X_ec4d8933-035e-4216-b2	
2.83	CC	Crack, circumferential from 12 o'clock to 12 o'clock	00:01:13	MH9X_962bdcf3-1b21-475e-9	2 / 2
3.03	OJL	Open joint, large	00:01:21	MH9X_c62350f6-79fd-4251-844	1
3.32	REM	General remark: JOINS ANOTHER LINE	00:01:41	MH9X_25d05e43-c4ae-4f88-bd	
3.32	LL	Line deviates left	00:01:42	MH9X_dfce3149-098b-473b-a9	
3.32	SC	Pipe size changes, new size(s), 150mm high	00:03:21		
3.53	CXI	Connection defective, connecting pipe is intruding at 1 o'clock, 100mm dia, intrusion: 5%	00:01:53	MH9X_2cc5a654-8ca7-4b42-85	3
4.68	DES	Settled deposits, fine, 20% cross-sectional area loss	00:02:12	MH9X_fbb065dc-e84e-4e3d-91	4
5.51	DES	Settled deposits, fine, 35% cross-sectional area loss: DEBRIS	00:02:29	MH9X_6b2f655c-52f7-41e4-90	4
6.79	JDL	Joint displaced, large	00:02:49	MH9X_902904ba-1dbb-4fd5-83	1 / 4
6.79	OJL	Open joint, large	00:02:49	MH9X_d70cd6bb-39d6-4b30-8	1
7.81	LL	Line deviates left	00:03:07	MH9X_d3fe8ace-b314-4472-9d	
8.39	OCF	Finish node, other special chamber, reference: LINE X: JOINS LINE FROM MH1	00:03:16	MH9X_c7a7f612-b683-46a5-9c	

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
4	10.0	1.9	16.0	2.0	5	5.0	2.1	18.0	4.0

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Section Pictures - 10/11/2025 - MH9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
24	Downstream	MH9X		



MH9X_ce09f9c7-3138-476d-aebf-0b32301b1628_20251110_133035_883.jpg, 00:00:39, 0.00 m
Water level, 5% of the vertical dimension



MH9X_ec4d8933-035e-4216-b273-6c2cb2256198_20251110_133058_428.jpg, 00:01:00, 1.88 m
Line deviates down

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Section Pictures - 10/11/2025 - MH9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
24	Downstream	MH9X		



MH9X_962bdcf3-1b21-475e-9a1b-8e703f36727e_20251110_133115_875.jpg, 00:01:13, 2.83 m
Crack, circumferential from 12 o'clock to 12 o'clock



MH9X_c62350f6-79fd-4251-844b-d544121accd9_20251110_133128_643.jpg, 00:01:21, 3.03 m
Open joint, large

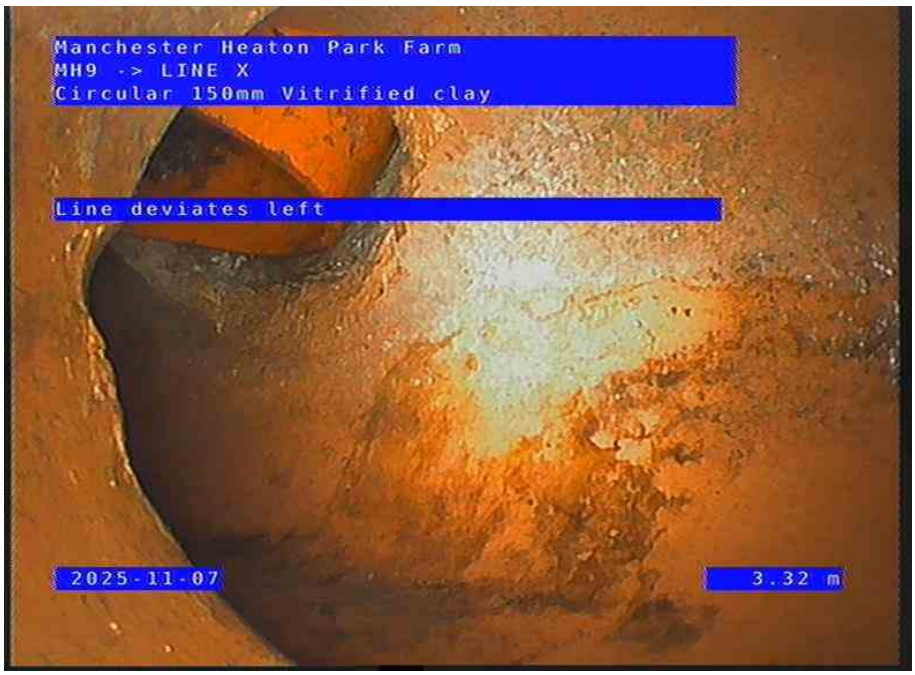
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Section Pictures - 10/11/2025 - MH9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
24	Downstream	MH9X		



MH9X_25d05e43-c4ae-4f88-bd8b-050a1c8cabd5_20251110_133208_050.jpg, 00:01:41, 3.32 m
General remark



MH9X_dfce3149-098b-473b-a95a-f653e07238f9_20251110_133208_925.jpg, 00:01:42, 3.32 m
Line deviates left

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Section Pictures - 10/11/2025 - MH9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
24	Downstream	MH9X		



MH9X_2cc5a654-8ca7-4b42-8537-46a8c86b3c22_20251110_133228_893.jpg, 00:01:53, 3.53 m
Connection defective, connecting pipe is intruding at 1 o'clock, 100mm dia, intrusion: 5%



MH9X_fbb065dc-e84e-4e3d-9138-cd73c0d22ef5_20251110_133252_686.jpg, 00:02:12, 4.68 m
Settled deposits, fine, 20% cross-sectional area loss

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Section Pictures - 10/11/2025 - MH9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
24	Downstream	MH9X		



MH9X_6b2f655c-52f7-41e4-9020-8cf97e90e6d6_20251110_133332_619.jpg, 00:02:29, 5.51 m
Settled deposits, fine, 35% cross-sectional area loss

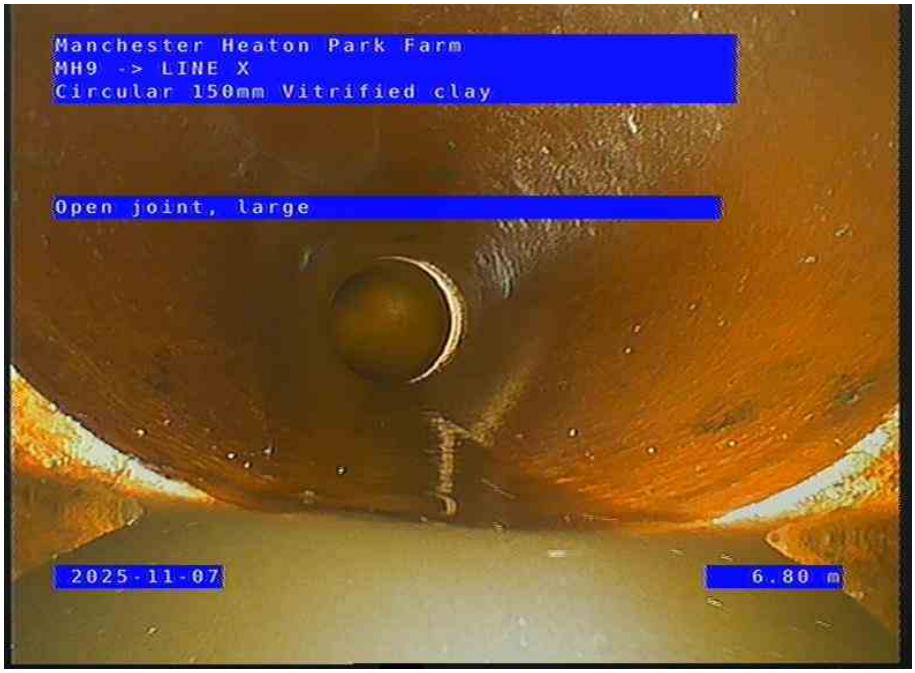


MH9X_902904ba-1dbb-4fd5-838e-df1f79e71f61_20251110_133358_738.jpg, 00:02:49, 6.79 m
Joint displaced, large

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Section Pictures - 10/11/2025 - MH9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
24	Downstream	MH9X		



MH9X_d70cd6bb-39d6-4b30-8b49-2824e9c191f0_20251110_133359_713.jpg, 00:02:49, 6.79 m
Open joint, large



MH9X_d3fe8ace-b314-4472-9de0-8ef44dee7a38_20251110_133418_036.jpg, 00:03:07, 7.81 m
Line deviates left

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Section Pictures - 10/11/2025 - MH9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
24	Downstream	MH9X		



MH9X_c7a7f612-b683-46a5-9ccd-63686bc92875_20251110_133454_825.jpg, 00:03:16, 8.39 m
Finish node, other special chamber, reference: LINE X

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Section Inspection - 10/11/2025 - LINE A X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
25	1	10/11/25	14:22	Not Specified	No Rain Or Snow	Yes	LINE A X

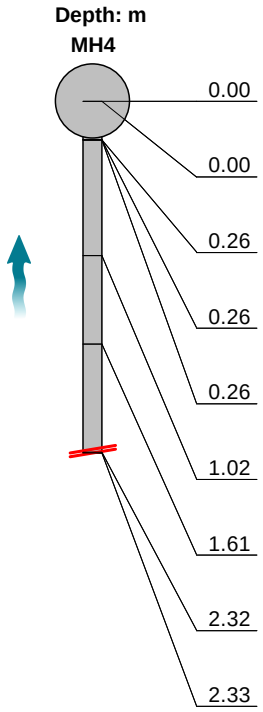
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
MIKE	[redacted]	Rodder	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	LINE A
Road:	Heaton Park Farm	**Inspected Length:**	2.33 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	2.33 m	**Downstream Node:**	MH4
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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	CP	Start node, catchpit, reference: MH4: US LINE A	00:00:01		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01	LINE A X_a56f75b1-9374-49	
0.26	DEZJ	Attached deposits, other at joint from 5 o'clock to 7 o'clock, 20% cross-sectional area loss: GROUT	00:00:14	LINE A X_32f2938e-fb73-4cb	3
0.26	LR	Line deviates right: SLIGHT	00:00:18	LINE A X_fc10e93f-5e0e-4ae	
0.26	LU	Line deviates up	00:00:19	LINE A X_b54513a7-9da9-4	
1.02	DEZJ	Attached deposits, other at joint from 4 o'clock to 8 o'clock, 35% cross-sectional area loss: GROUT	00:00:33	LINE A X_17ab4553-56d1-4	4
1.61	DEZJ	Attached deposits, other at joint from 5 o'clock to 7 o'clock, 20% cross-sectional area loss: GROUT	00:00:51	LINE A X_cc2f003c-77fa-4a8	3
2.32	XP	Collapsed drain or sewer: COLLAPSE	00:01:06	LINE A X_73e0841a-5909-4	5
2.33	SA	Survey abandoned: ON COLLAPSE	00:01:09	LINE A X_e00e61f7-b8d6-42	

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	165.0	70.9	165.0	5.0	3	5.0	3.9	9.0	4.0

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Section Pictures - 10/11/2025 - LINE A X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
25	Upstream	LINE A X		



LINE A X_a56f75b1-9374-49c3-af7c-215507d5886e_20251110_142230_326.jpg, 00:00:01, 0.00 m
Water level, 5% of the vertical dimension



LINE A X_32f2938e-fb73-4cbc-bb01-0abea1149fbd_20251110_142257_708.jpg, 00:00:14, 0.26 m
Attached deposits, other at joint from 5 o'clock to 7 o'clock, 20% cross-sectional area loss

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Section Pictures - 10/11/2025 - LINE A X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
25	Upstream	LINE A X		



LINE A X_fc10e93f-5e0e-4ae0-be96-441baa106c9d_20251110_142309_521.jpg, 00:00:18, 0.26 m
Line deviates right



LINE A X_b54513a7-9da9-4c99-8a8e-d99b4e7521d2_20251110_142310_303.jpg, 00:00:19, 0.26 m
Line deviates up

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Section Pictures - 10/11/2025 - LINE A X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
25	Upstream	LINE A X		



LINE A X_17ab4553-56d1-419f-b4ce-e35b7d55539c_20251110_142341_638.jpg, 00:00:33, 1.02 m
Attached deposits, other at joint from 4 o'clock to 8 o'clock, 35% cross-sectional area loss



LINE A X_cc2f003c-77fa-4a87-a2f0-783e26904a19_20251110_142409_850.jpg, 00:00:51, 1.61 m
Attached deposits, other at joint from 5 o'clock to 7 o'clock, 20% cross-sectional area loss

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Section Pictures - 10/11/2025 - LINE A X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
25	Upstream	LINE A X		



LINE A X_73e0841a-5909-4828-a33f-dde2fec8a1bd_20251110_142431_907.jpg, 00:01:06, 2.32 m
Collapsed drain or sewer



LINE A X_e00e61f7-b8d6-42d7-9230-95b5e7aa1d00_20251110_142441_802.jpg, 00:01:09, 2.33 m
Survey abandoned