Lanes Group plc
300 Lansdowne Rd,, Monton, Eccles, M30 9PJ
Tel. 0161 788 2222
cctvsurveys@lanesgroup.co.uk

WEB PROJECT
CLICK TO OPEN THIS PROJECT

Project

Project Name:	Amspec Limited - Lower Campfield - LSO0373827 - merged
Project Status:	Complete
Project Date:	27/06/2024
Lanes Division:	Manchester

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Amspec Limited - Lower Campfield - LSO0373827 - merged	27/06/2024

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Project Information

Project Name	Project Date
Amspec Limited - Lower Campfield - LSO0373827 - merged	27/06/2024

Client

Company: Amspec Limited
Street: 3 Kilshaw Street
Town or City: Wigan
Post Code: WN5 8EA

Site

Company: Lower Campfield
Street: Byrom Street
Town or City: Manchester
Post Code: M3 4PF

Contractor

Company: Lanes Group plc
Description: Manchester Depot
Contact: Paul Lynch
Department: Depot Manager
Street: 300 Lansdowne Rd,
Town or City: Monton, Eccles, M30 9PJ
County: Lancashire
Phone: 0161 788 2222
Email: Manchesterops@lanesgroup.co.uk

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Project Information

Project Name	Project Date
Amspec Limited - Lower Campfield - LSO0373827 - merged	27/06/2024

Project Summary

Dear Customer,

As requested, we have recently carried out a drainage CCTV survey at the site location and our full and detailed findings are contained in the attached CCTV report which you can review at your leisure.

We have identified the need for further works and will provide a quotation which will highlight the areas of concern, the most appropriate remedial technique and all associated costings.

We would like to take this opportunity to thank you for using Lanes Group plc and we hope we can be of service to you again soon. Please visit our website for full details of all services we can provide, follow us on social media or even share details of your customer experience with us:

www.lanesgroup.co.uk

If you require any technical assistance understanding the findings of the CCTV report then please contact us at:

cctvsurveys@lanesgroup.co.uk

Kind regards,
Lanes Group plc

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Project Information

Project Name	Project Date
Amspec Limited - Lower Campfield - LSO0373827 - merged	27/06/2024

Project Notes

Summary of issues highlighted by survey:

Section 2: Cracks, deposits coarse 10%, deposits fine 10%
Section 3: Deposits fine 10-20%, hole in drain, joint displaced medium
Section 4: Deposits fine 10%, deposits coarse 10%
Section 5: Deposits fine 10-20%, deposits coarse 10%
Section 6: Deposits coarse 10-20%
Section 7: Deposits fine 10-20%, cracks, deposits hard 30%
Section 8: Deposits fine 10%
Section 10: Deposits fine 10%
Section 11: Deposits fine 10-40%
Section 12: Deposits hard 10%, deposits fine 10-20%
Section 13: Deposits fine 10%, deposits hard 30%
Section 14: Deposits fine 10-50%, deposits hard 10%
Section 15: Crack longitudinal
Section 16: Fracture longitudinal
Section 17: Settled deposits 10%
Section 18: Settled deposits 10%
Section 19: Settled deposits up to 30%
Section 20: Settled deposits 10% and crack circumferential
Section 21: Settled deposits up to 50%
Section 22: Settled deposits 10%
Section 23: Settled deposits up to 40%

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Project Information

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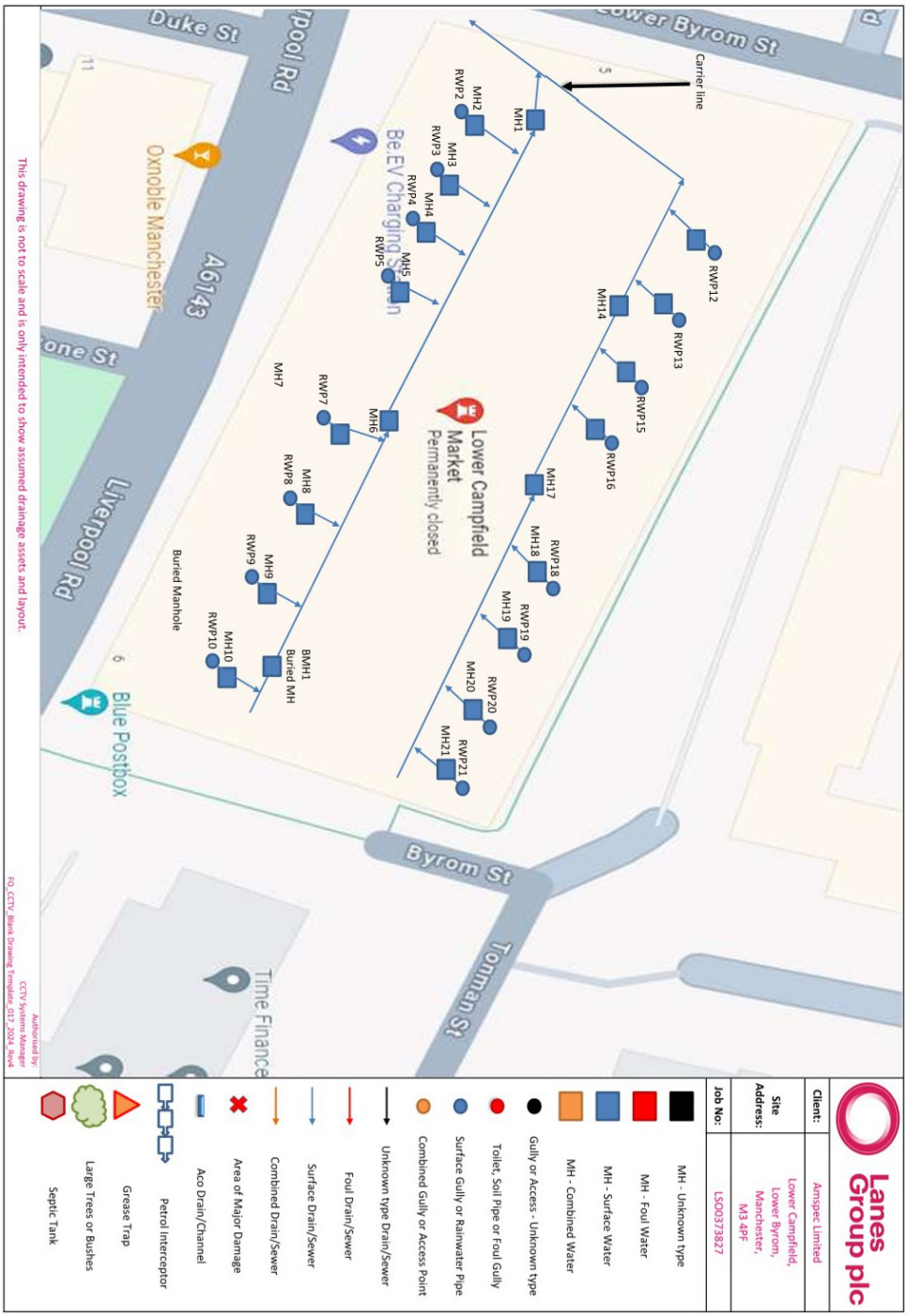
Amspec Limited - Lower Campfield - LSO0373827 - merged	27/06/2024

Project Drawing, Page 'Amspec Limited - Lower Campfield - LSO0373827'



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Project Pictures

Project Name	Project Date
Amspec Limited - Lower Campfield - LSO0373827 - merged	27/06/2024

Site picture (1)_1

Site picture (2)_1

Site picture (3)_1

Site picture (4)_1

Site picture (5)_1

Site picture (6)_1

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Project Pictures

Project Name	Project Date
Amspec Limited - Lower Campfield - LSO0373827 - merged	27/06/2024

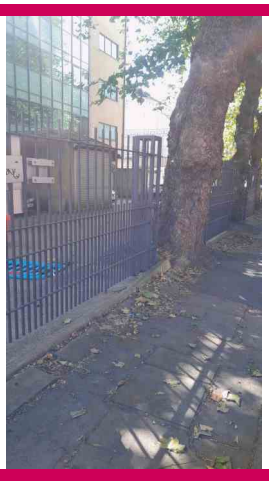
Site picture (3)

Site picture (5)

Site picture (7)

Site picture (6)

Site picture (4)



Site picture (2)

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Project Pictures

Project Name	Project Date
Amspec Limited - Lower Campfield - LSO0373827 - merged	27/06/2024

Site picture (1)

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Section Profile

Project Name	Project Date
Amspec Limited - Lower Campfield - LSO0373827 - merged	27/06/2024

Circular, 225 mm

Item No.	Upstream Node	Downstream Node	Date	Road	Asset Material	Total Length	Inspected Length
1	MH17	MH14	27/06/2024	Byrom Street	Concrete pipe	8.55 m	8.55 m
2	MH17	MH14	27/06/2024	Byrom Street	Concrete pipe	27.39 m	27.39 m
3	Unknown	MH17	27/06/2024	Byrom Street	Concrete pipe	34.16 m	**33.16 m**
4	MH14	Unknown	27/06/2024	Byrom Street	Concrete pipe	14.99 m	**14.69 m**
5	BMH1	MH6	27/06/2024	Byrom Street	Concrete pipe	24.83 m	24.83 m
6	MH6	MH1	27/06/2024	Byrom Street	Concrete pipe	19.79 m	**18.79 m**
7	MH6	MH1	27/06/2024	Byrom Street	Concrete pipe	24.90 m	**23.90 m**
8	MH1	Carrier	27/06/2024	Byrom Street	Concrete pipe	6.93 m	**6.91 m**
9	MH1	UMH1	26/06/2024	Byrom Street	Concrete pipe	11.68 m	11.68 m
10	MH6	MH1	26/06/2024	Byrom Street	Concrete pipe	30.34 m	**29.34 m**
11	MH6	MH1	26/06/2024	Byrom Street	Concrete pipe	23.92 m	**22.93 m**
12	MH17	MH11	26/06/2024	Byrom Street	Concrete pipe	25.46 m	**24.47 m**
13	MH21	MH17	26/06/2024	Byrom Street	Concrete pipe	24.28 m	**23.28 m**
14	MH10	MH6	26/06/2024	Byrom Street	Concrete pipe	23.17 m	23.17 m
15	MH1	UMMH1	04/07/2024	Lower Byrom Street	Vitrified clay	7.09 m	7.09 m
16	MH6	MH1	04/07/2024	Lower Byrom Street	Vitrified clay	38.75 m	38.75 m
17	BMH1	MH6	04/07/2024	Lower Byrom Street	Vitrified clay	24.78 m	24.78 m
18	UMRWP1	BMH1	04/07/2024	Lower Byrom Street	Vitrified clay	1.76 m	1.76 m
19	MH21	MH17	26/06/2024	Byrom Street	Concrete pipe	24.28 m	**23.28 m**
20	MH17	MH11	26/06/2024	Byrom Street	Concrete pipe	25.46 m	**24.46 m**
21	MH10	MH6	26/06/2024	Byrom Street	Concrete pipe	23.17 m	23.17 m
22	MH6	MH1	26/06/2024	Byrom Street	Concrete pipe	30.34 m	**29.34 m**
23	MH6	MH1	26/06/2024	Byrom Street	Concrete pipe	23.93 m	**22.93 m**
24	MH1	UMH1	26/06/2024	Byrom Street	Concrete pipe	11.68 m	11.68 m

Total: 24 Inspections x Circular 225 mm = 511.63 m Total Length and 500.33 m Inspected Length

Total: 24 Inspections = 511.63 m Total Length and 500.33 m Inspected Length

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Section Inspection - 27/06/2024 - MH17X

WEB PROJECT
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Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
1	1	27/06/24	10:17	LSO0373827	Dry	Yes	MH17X

Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Small Crawler	Not Specified	Private Drain	Not Specified

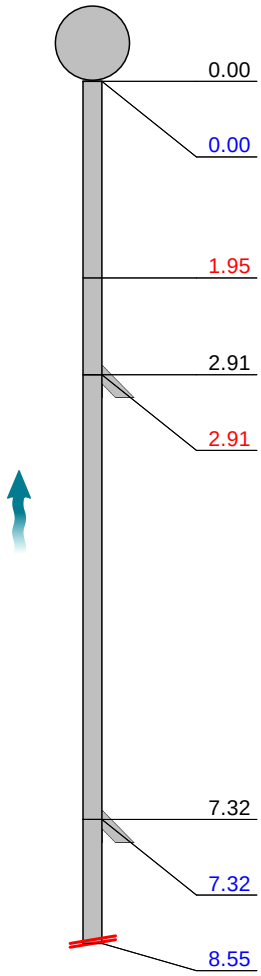
Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	MH17
Road:	Byrom Street	**Inspected Length:**	8.55 m	**Upstream Pipe Depth:**	2.36
Post Code:	M3 4PF	**Total Length:**	8.55 m	**Downstream Node:**	MH14
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	2.10

Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Concrete pipe
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:75

Depth: 2.10 m
MH14



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: MH14	
0.00	WL	Water level, 5% of the vertical dimension	
1.95	SS	Surface damage, spalling from 8 o'clock to 9 o'clock	2
2.91	JN	Junction at 9 o'clock, diameter: 150mm	
2.91	CLJ	Crack, longitudinal at joint at 8 o'clock	2
7.32	JN	Junction at 9 o'clock, diameter: 150mm	
7.32	WL	Water level, 10% of the vertical dimension	
8.55	SA	Survey abandoned: Unable to survey past connection dropping debris while jetting. No access into line to flush or jet.	

MH - 0.00

SS - 1.95

CLJ - 2.91

SA - 8.55

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
2	20.0	3.5	30.0	2.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 27/06/2024 - MH17X

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
1	Upstream	MH17X	1	LSO0373827

1, 00:00:00, 0.00 m
Start node, manhole, reference: MH14

2, 00:00:16, 1.95 m
Surface damage, spalling from 8 o'clock to 9 o'clock

3, 00:00:23, 2.91 m
Crack, longitudinal at joint at 8 o'clock

4, 00:00:47, 8.55 m
Survey abandoned, Unable to survey past connection dropping debris while jetting. No access into line to flush or jet.

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Section Inspection - 27/06/2024 - MH17Y

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
2	1	27/06/24	10:40	LSO0373827	Dry	Yes	MH17Y

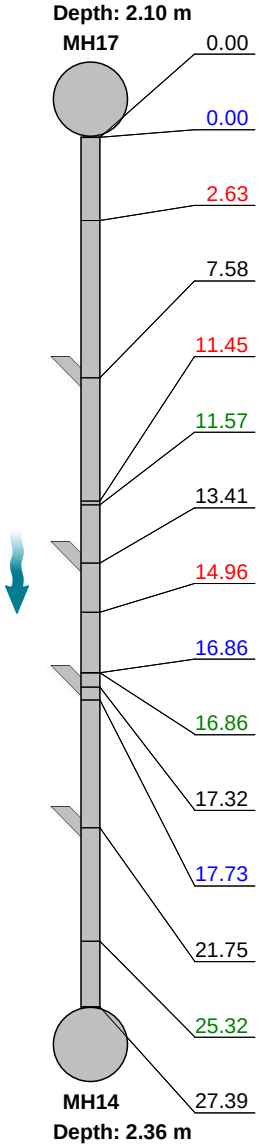
Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Small Crawler	Not Specified	Private Drain	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH17
Road:	Byrom Street	**Inspected Length:**	27.39 m	**Upstream Pipe Depth:**	2.10
Post Code:	M3 4PF	**Total Length:**	27.39 m	**Downstream Node:**	MH14
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	2.36

Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Concrete pipe
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:238



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: MH17	
0.00	WL	Water level, 5% of the vertical dimension	
2.63	CCJ	Crack, circumferential at joint from 7 o'clock to 9 o'clock	2
7.58	JN	Junction at 3 o'clock, diameter: 150mm	
11.45	D	Deformed drain or sewer, 5%	2
11.57	DER	Settled deposits, coarse, 5% cross-sectional area loss	2
13.41	JN	Junction at 3 o'clock, diameter: 150mm	
14.96	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock	2
16.86	WL	Water level, 10% of the vertical dimension	
16.86	DER	Settled deposits, coarse, 10% cross-sectional area loss	3
17.32	JN	Junction at 3 o'clock, diameter: 150mm	
17.73	WL	Water level, 5% of the vertical dimension	
21.75	JN	Junction at 3 o'clock, diameter: 150mm	
25.32	DES	Settled deposits, fine, 10% cross-sectional area loss	3
27.39	MHF	Finish node, manhole, reference: MH14	

MH - 0.00

D - 11.45

DER - 11.57

CCJ - 14.96

DER - 16.86

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Section Inspection - 27/06/2024 - MH17Y

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
2	1	27/06/24	10:40	LSO0373827	Dry	Yes	MH17Y

Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Small Crawler	Not Specified	Private Drain	Not Specified

DES - 25.32

MHF - 27.39

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
3	20.0	1.5	40.0	2.0	3	2.0	0.2	5.0	3.0

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Section Pictures - 27/06/2024 - MH17Y

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
2	Downstream	MH17Y	2	LSO0373827

1, 00:00:00, 0.00 m
Start node, manhole, reference: MH17

2, 00:00:53, 11.45 m
Deformed drain or sewer, 5%

3, 00:00:54, 11.57 m
Settled deposits, coarse, 5% cross-sectional area loss

4, 00:01:11, 14.96 m
Crack, circumferential at joint from 12 o'clock to 12 o'clock

5, 00:01:19, 16.86 m
Settled deposits, coarse, 10% cross-sectional area loss

6, 00:01:58, 25.32 m
Settled deposits, fine, 10% cross-sectional area loss

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Section Pictures - 27/06/2024 - MH17Y

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
2	Downstream	MH17Y	2	LSO0373827

7, 00:02:06, 27.39 m
Finish node, manhole, reference: MH14

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Section Inspection - 27/06/2024 - UnknownX

WEB PROJECT
CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
3	1	27/06/24	11:18	LSO0373827	Dry	Yes	UNKNOWNX

Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Small Crawler	Not Specified	Private Drain	Not Specified

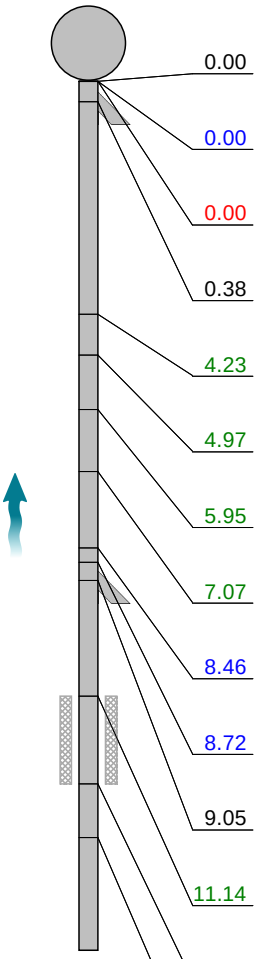
Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	UNKNOWN
Road:	Byrom Street	**Inspected Length:**	33.16 m	**Upstream Pipe Depth:**	0
Post Code:	M3 4PF	**Total Length:**	34.16 m	**Downstream Node:**	MH17
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	2.10

Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Concrete pipe
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:137

Depth: 2.10 m
MH17



Position [m]		Code	Observation	Grade
0.00		MH	Start node, manhole, reference: MH17	
0.00		WL	Water level, 5% of the vertical dimension	
0.00		SS	Surface damage, spalling at 12 o'clock	2
0.38		JN	Junction at 9 o'clock, diameter: 150mm	
4.23		DES	Settled deposits, fine, 5% cross-sectional area loss	2
4.97		DES	Settled deposits, fine, 10% cross-sectional area loss	3
5.95		DES	Settled deposits, fine, 10% cross-sectional area loss	3
7.07		DES	Settled deposits, fine, 20% cross-sectional area loss	3
8.46		WL	Water level, 15% of the vertical dimension	
8.72		REM	General remark: Steam in line	
9.05		JN	Junction at 9 o'clock, diameter: 150mm	
11.14	S01	DES	Settled deposits, fine, 15% cross-sectional area loss, start	
12.73	F01	DES	Settled deposits, fine, 15% cross-sectional area loss, finish	3
13.71		WL	Water level, 5% of the vertical dimension	

MH - 0.00

SS - 0.00

DES - 5.95

DES - 7.07

DES - 11.14

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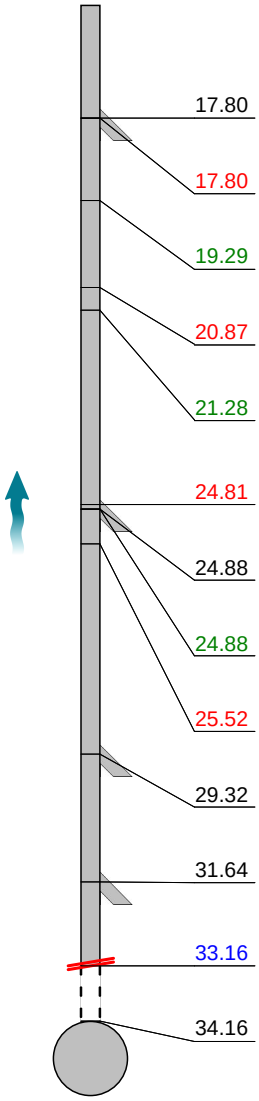
Section Inspection - 27/06/2024 - UnknownX

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
3	1	27/06/24	11:18	LSO0373827	Dry	Yes	UNKNOWNX

Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Small Crawler	Not Specified	Private Drain	Not Specified

Scale: 1:137



Position [m]	Code	Observation	Grade
17.80	JN	Junction at 9 o'clock, diameter: 150mm	
17.80	H	Hole in drain or sewer from 10 o'clock to 11 o'clock	4
19.29	DES	Settled deposits, fine, 5% cross-sectional area loss	2
20.87	SS	Surface damage, spalling from 12 o'clock to 2 o'clock	2
21.28	DES	Settled deposits, fine, 5% cross-sectional area loss	2
24.81	JDM	Joint displaced, medium	1
24.88	JN	Junction at 9 o'clock, diameter: 150mm	
24.88	DER	Settled deposits, coarse, 5% cross-sectional area loss	2
25.52	JDM	Joint displaced, medium	1
29.32	JN	Junction at 8 o'clock, diameter: 150mm	
31.64	JN	Junction at 9 o'clock, diameter: 150mm	
33.16	SA	Survey abandoned: Extent of survey	
34.16		End of pipe	

SS - 20.87

JDM - 24.81

JDM - 25.52

SA - 33.16

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
5	80.0	3.6	122.0	4.0	8	2.0	0.4	14.0	3.0

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Section Pictures - 27/06/2024 - UnknownX

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
3	Upstream	UNKNOWNX	3	LSO0373827

1, 00:00:00, 0.00 m
Start node, manhole, reference: MH17

2, 00:00:02, 0.00 m
Surface damage, spalling at 12 o'clock

3, 00:00:33, 5.95 m
Settled deposits, fine, 10% cross-sectional area loss

4, 00:00:36, 7.07 m
Settled deposits, fine, 20% cross-sectional area loss

5, 00:00:47, 11.14 m
Settled deposits, fine, 15% cross-sectional area loss, start

6, 00:01:36, 20.87 m
Surface damage, spalling from 12 o'clock to 2 o'clock

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Section Pictures - 27/06/2024 - UnknownX

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
3	Upstream	UNKNOWNX	3	LSO0373827

7, 00:02:00, 24.81 m
Joint displaced, medium

8, 00:02:10, 25.52 m
Joint displaced, medium

9, 00:03:13, 33.16 m
Survey abandoned, Extent of survey

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Section Inspection - 27/06/2024 - MH14X

WEB PROJECT
CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
4	1	27/06/24	11:46	LSO0373827	Dry	Yes	MH14X

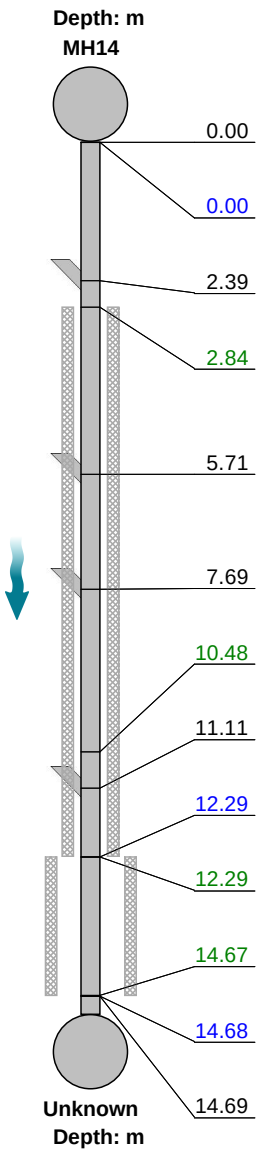
Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Small Crawler	Not Specified	Private Drain	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH14
Road:	Byrom Street	**Inspected Length:**	14.69 m	**Upstream Pipe Depth:**	0
Post Code:	M3 4PF	**Total Length:**	14.99 m	**Downstream Node:**	UNKNOWN
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	0

Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Concrete pipe
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:130



Position [m]		Code	Observation	Grade
0.00		MH	Start node, manhole, reference: MH14	
0.00		WL	Water level, 5% of the vertical dimension	
2.39		JN	Junction at 3 o'clock, diameter: 150mm	
2.84	S01	DES	Settled deposits, fine, 10% cross-sectional area loss, start	
5.71		JN	Junction at 3 o'clock, diameter: 150mm	
7.69		JN	Junction at 3 o'clock, diameter: 150mm	
10.48		DER	Settled deposits, coarse, 10% cross-sectional area loss	3
11.11		JN	Junction at 3 o'clock, diameter: 150mm	
12.29	S02	CUS	Loss of vision, steam, start	
12.29	F01	DES	Settled deposits, fine, 10% cross-sectional area loss, finish	3
14.67		LL	Line deviates left	
14.68	F02	CUS	Loss of vision, steam, finish	
14.69		OCF	Finish node, other special chamber, reference: Unknown: Line goes left into carrier	

MH - 0.00

DES - 2.84

DER - 10.48

DES - 12.29

OCF - 14.69

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	2	4.0	1.5	22.0	3.0

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Section Pictures - 27/06/2024 - MH14X

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
4	Downstream	MH14X	4	LSO0373827

1, 00:00:00, 0.00 m
Start node, manhole, reference: MH14

2, 00:00:16, 2.84 m
Settled deposits, fine, 10% cross-sectional area loss, start

3, 00:00:46, 10.48 m
Settled deposits, coarse, 10% cross-sectional area loss

4, 00:00:55, 12.29 m
Settled deposits, fine, 10% cross-sectional area loss, finish

5, 00:01:09, 14.69 m
Finish node, other special chamber, reference: Unknown, Line goes left into carrier

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Section Inspection - 27/06/2024 - BMH1X

WEB PROJECT
CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
5	1	27/06/24	13:26	LSO0373827	Dry	Yes	BMH1X

Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Small Crawler	Not Specified	Private Drain	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	BMH1
Road:	Byrom Street	**Inspected Length:**	24.83 m	**Upstream Pipe Depth:**	0
Post Code:	M3 4PF	**Total Length:**	24.83 m	**Downstream Node:**	MH6
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	0

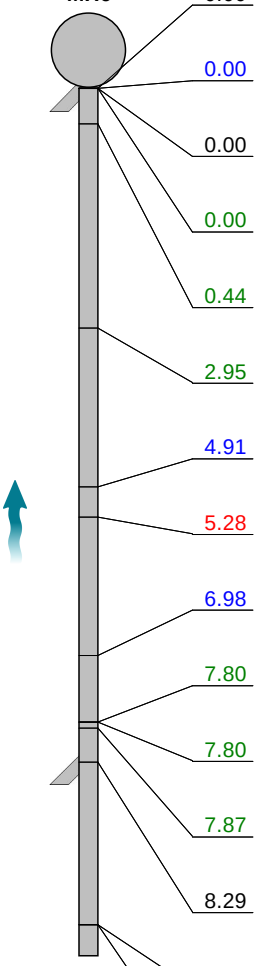
Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Concrete pipe
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:93

Depth: m

MH6



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: MH6	
0.00	WL	Water level, 5% of the vertical dimension	
0.00	JN	Junction at 3 o'clock, diameter: 150mm	
0.00	DES	Settled deposits, fine, 10% cross-sectional area loss	3
0.44	DES	Settled deposits, fine, 10% cross-sectional area loss	3
2.95	DES	Settled deposits, fine, 20% cross-sectional area loss	3
4.91	WL	Water level, 15% of the vertical dimension	
5.28	SS	Surface damage, spalling from 2 o'clock to 3 o'clock	2
6.98	WL	Water level, 5% of the vertical dimension	
7.80	DES	Settled deposits, fine, 5% cross-sectional area loss	2
7.80	DERJ	Settled deposits, coarse at joint, 5% cross-sectional area loss	2
7.87	DERJ	Settled deposits, coarse at joint, 10% cross-sectional area loss	3
8.29	JN	Junction at 3 o'clock, diameter: 150mm	
10.29	DER	Settled deposits, coarse, 10% cross-sectional area loss	3
10.29	DESJ	Settled deposits, fine at joint, 5% cross-sectional area loss	2

MH - 0.00

DES - 0.00

DES - 0.44

DES - 2.95

SS - 5.28

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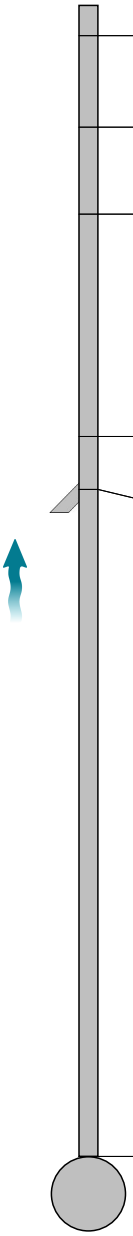
Section Inspection - 27/06/2024 - BMH1X

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
5	1	27/06/24	13:26	LSO0373827	Dry	Yes	BMH1X

Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Small Crawler	Not Specified	Private Drain	Not Specified

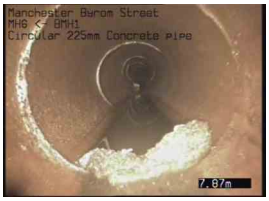
Scale: 1:93



Position [m]	Code	Observation	Grade
11.05	DES	Settled deposits, fine, 5% cross-sectional area loss	2
12.17	DES	Settled deposits, fine, 10% cross-sectional area loss	3
13.24	DES	Settled deposits, fine, 5% cross-sectional area loss	2
15.98	DER	Settled deposits, coarse, 5% cross-sectional area loss	2
16.63	JN	Junction at 3 o'clock, diameter: 150mm	
24.83	MHF	Finish node, manhole, reference: BMH1	

DES - 7.80

DERJ - 7.80



DERJ - 7.87

DER - 10.29

DESJ - 10.29

DES - 11.05

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Section Inspection - 27/06/2024 - BMH1X

WEB PROJECT
CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
5	1	27/06/24	13:26	LSO0373827	Dry	Yes	BMH1X

Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Small Crawler	Not Specified	Private Drain	Not Specified

DES - 12.17

DES - 13.24

DER - 15.98

MHF - 24.83

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	20.0	0.8	20.0	2.0	12	3.0	0.7	18.0	3.0

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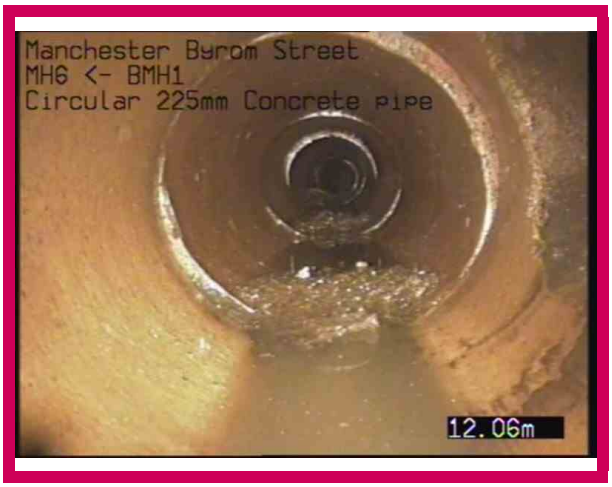
Section Pictures - 27/06/2024 - BMH1X

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
5	Upstream	BMH1X	5	LSO0373827

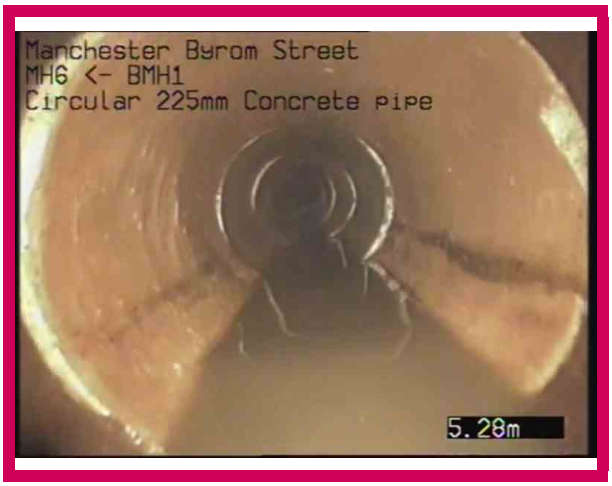


1, 00:00:00, 0.00 m
Start node, manhole, reference: MH6

2, 00:00:04, 0.00 m
Settled deposits, fine, 10% cross-sectional area loss

3, 00:00:06, 0.44 m
Settled deposits, fine, 10% cross-sectional area loss

4, 00:00:13, 2.95 m
Settled deposits, fine, 20% cross-sectional area loss



5, 00:00:20, 5.28 m
Surface damage, spalling from 2 o'clock to 3 o'clock

6, 00:00:30, 7.80 m
Settled deposits, fine, 5% cross-sectional area loss

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Section Pictures - 27/06/2024 - BMH1X

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
5	Upstream	BMH1X	5	LSO0373827

7, 00:00:30, 7.80 m
Settled deposits, coarse at joint, 5% cross-sectional area loss

8, 00:00:33, 7.87 m
Settled deposits, coarse at joint, 10% cross-sectional area loss

9, 00:00:41, 10.29 m
Settled deposits, coarse, 10% cross-sectional area loss

10, 00:00:49, 10.29 m
Settled deposits, fine at joint, 5% cross-sectional area loss

11, 00:00:53, 11.05 m
Settled deposits, fine, 5% cross-sectional area loss

12, 00:00:59, 12.17 m
Settled deposits, fine, 10% cross-sectional area loss

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Section Pictures - 27/06/2024 - BMH1X

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
5	Upstream	BMH1X	5	LSO0373827

13, 00:01:03, 13.24 m
Settled deposits, fine, 5% cross-sectional area loss

14, 00:01:16, 15.98 m
Settled deposits, coarse, 5% cross-sectional area loss

15, 00:01:54, 24.83 m
Finish node, manhole, reference: BMH1

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Section Inspection - 27/06/2024 - MH6X

WEB PROJECT
CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
6	1	27/06/24	13:59	LSO0373827	Dry	Yes	MH6X

Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Small Crawler	Not Specified	Private Drain	Not Specified

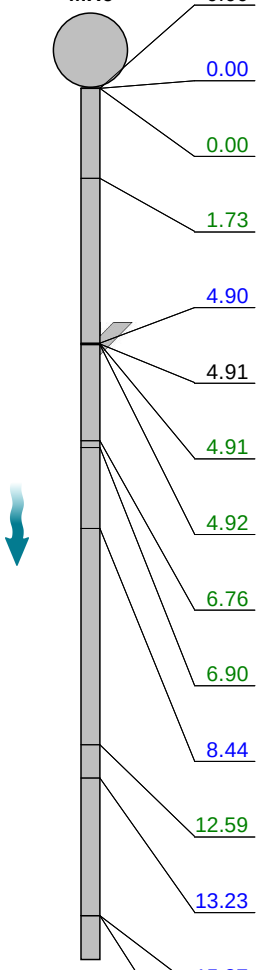
Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH6
Road:	Byrom Street	**Inspected Length:**	18.79 m	**Upstream Pipe Depth:**	0
Post Code:	M3 4PF	**Total Length:**	19.79 m	**Downstream Node:**	MH1
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	0

Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Concrete pipe
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:145

Depth: m



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: MH6	
0.00	WL	Water level, 5% of the vertical dimension	
0.00	DES	Settled deposits, fine, 5% cross-sectional area loss	2
1.73	DER	Settled deposits, coarse, 5% cross-sectional area loss	2
4.90	WL	Water level, 10% of the vertical dimension	
4.91	JN	Junction at 9 o'clock, diameter: 150mm	
4.91	DER	Settled deposits, coarse, 5% cross-sectional area loss	2
4.92	DES	Settled deposits, fine, 5% cross-sectional area loss	2
6.76	DES	Settled deposits, fine, 5% cross-sectional area loss	2
6.90	DERJ	Settled deposits, coarse at joint, 10% cross-sectional area loss	3
8.44	WL	Water level, 5% of the vertical dimension	
12.59	DER	Settled deposits, coarse, 5% cross-sectional area loss	2
13.23	WL	Water level, 10% of the vertical dimension	
15.87	WL	Water level, 15% of the vertical dimension	
15.87	DER	Settled deposits, coarse, 15% cross-sectional area loss	3

MH - 0.00

DES - 0.00

DER - 1.73

DER - 4.91

DES - 4.92

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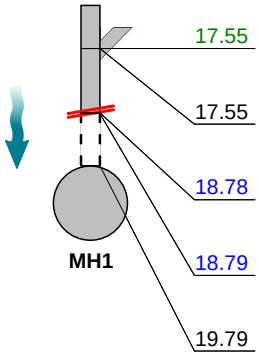
Section Inspection - 27/06/2024 - MH6X

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
6	1	27/06/24	13:59	LSO0373827	Dry	Yes	MH6X

Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Small Crawler	Not Specified	Private Drain	Not Specified

Scale: 1:145



Position [m]	Code	Observation	Grade
17.55	DER	Settled deposits, coarse, 20% cross-sectional area loss	3
17.55	JN	Junction at 9 o'clock, diameter: 150mm	
18.78	WL	Water level, 20% of the vertical dimension	
18.79	SA	Survey abandoned: Due to debris	
19.79		End of pipe	

DES - 6.76

DERJ - 6.90

DER - 12.59

DER - 15.87

DER - 17.55

SA - 18.79

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	9	2.0	0.6	12.0	3.0

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Section Pictures - 27/06/2024 - MH6X

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
6	Downstream	MH6X	6	LSO0373827

1, 00:00:00, 0.00 m
Start node, manhole, reference: MH6

2, 00:00:05, 0.00 m
Settled deposits, fine, 5% cross-sectional area loss

3, 00:00:13, 1.73 m
Settled deposits, coarse, 5% cross-sectional area loss

4, 00:00:26, 4.91 m
Settled deposits, coarse, 5% cross-sectional area loss

5, 00:00:25, 4.92 m
Settled deposits, fine, 5% cross-sectional area loss

6, 00:00:33, 6.76 m
Settled deposits, fine, 5% cross-sectional area loss

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Section Pictures - 27/06/2024 - MH6X

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
6	Downstream	MH6X	6	LSO0373827

7, 00:00:35, 6.90 m
Settled deposits, coarse at joint, 10% cross-sectional area loss

8, 00:00:56, 12.59 m
Settled deposits, coarse, 5% cross-sectional area loss

9, 00:01:11, 15.87 m
Settled deposits, coarse, 15% cross-sectional area loss

10, 00:01:15, 17.55 m
Settled deposits, coarse, 20% cross-sectional area loss

11, 00:01:19, 18.79 m
Survey abandoned, Due to debris

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Section Inspection - 27/06/2024 - MH6Y

WEB PROJECT
CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
7	1	27/06/24	14:17	LSO0373827	Dry	Yes	MH6Y

Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Small Crawler	Not Specified	Private Drain	Not Specified

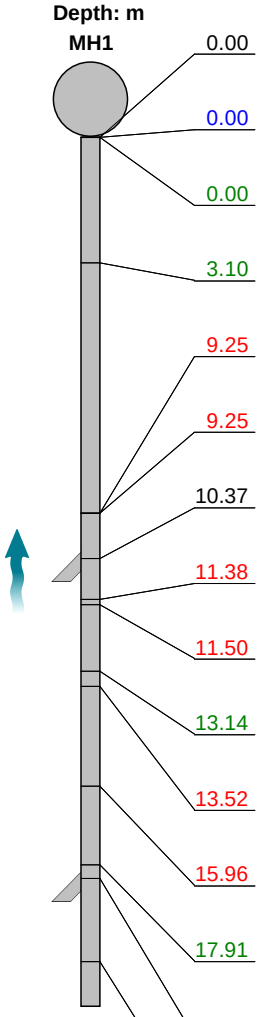
Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	MH6
Road:	Byrom Street	**Inspected Length:**	23.90 m	**Upstream Pipe Depth:**	0
Post Code:	M3 4PF	**Total Length:**	24.90 m	**Downstream Node:**	MH1
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	0

Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Concrete pipe
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:186

Depth: m



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: MH1	
0.00	WL	Water level, 5% of the vertical dimension	
0.00	DES	Settled deposits, fine, 20% cross-sectional area loss	3
3.10	DER	Settled deposits, coarse, 5% cross-sectional area loss	2
9.25	CLJ	Crack, longitudinal at joint at 9 o'clock	2
9.25	CLJ	Crack, longitudinal at joint at 3 o'clock	2
10.37	JN	Junction at 3 o'clock, diameter: 150mm	
11.38	CLJ	Crack, longitudinal at joint at 2 o'clock	2
11.50	CM	Cracks, multiple from 12 o'clock to 12 o'clock	3
13.14	DERJ	Settled deposits, coarse at joint, 5% cross-sectional area loss	2
13.52	SS	Surface damage, spalling at 2 o'clock	2
15.96	SS	Surface damage, spalling from 2 o'clock to 4 o'clock	2
17.91	DES	Settled deposits, fine, 5% cross-sectional area loss	2
18.23	JN	Junction at 3 o'clock, diameter: 150mm	
20.29	DER	Settled deposits, coarse, 5% cross-sectional area loss	2

MH - 0.00

DES - 0.00

DER - 3.10

CLJ - 9.25

CLJ - 9.25

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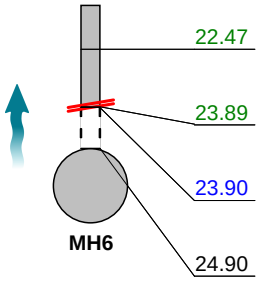
Section Inspection - 27/06/2024 - MH6Y

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
7	1	27/06/24	14:17	LSO0373827	Dry	Yes	MH6Y

Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Small Crawler	Not Specified	Private Drain	Not Specified

Scale: 1:186



Position [m]	Code	Observation	Grade
22.47	DES	Settled deposits, fine, 10% cross-sectional area loss	3
23.89	DECJ	Settled deposits, hard or compacted at joint, 30% cross-sectional area loss	4
23.90	SA	Survey abandoned: Due to debris	
24.90		End of pipe	

Depth: m

CLJ - 11.38

CM - 11.50

DERJ - 13.14

SS - 13.52

SS - 15.96

DES - 17.91

DER - 20.29

DES - 22.47

DECJ - 23.89

SA - 23.90

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
6	50.0	4.4	110.0	3.0	7	5.0	0.5	13.0	4.0

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Section Pictures - 27/06/2024 - MH6Y

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
7	Upstream	MH6Y	7	LSO0373827

1, 00:00:00, 0.00 m
Start node, manhole, reference: MH1

2, 00:00:06, 0.00 m
Settled deposits, fine, 20% cross-sectional area loss

3, 00:00:22, 3.10 m
Settled deposits, coarse, 5% cross-sectional area loss

4, 00:00:45, 9.25 m
Crack, longitudinal at joint at 9 o'clock

5, 00:00:45, 9.25 m
Crack, longitudinal at joint at 3 o'clock

6, 00:00:52, 11.38 m
Crack, longitudinal at joint at 2 o'clock

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Section Pictures - 27/06/2024 - MH6Y

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
7	Upstream	MH6Y	7	LSO0373827

7, 00:00:52, 11.50 m
Cracks, multiple from 12 o'clock to 12 o'clock

8, 00:00:57, 13.14 m
Settled deposits, coarse at joint, 5% cross-sectional area loss

9, 00:01:03, 13.52 m
Surface damage, spalling at 2 o'clock

10, 00:01:16, 15.96 m
Surface damage, spalling from 2 o'clock to 4 o'clock

11, 00:01:23, 17.91 m
Settled deposits, fine, 5% cross-sectional area loss

12, 00:01:34, 20.29 m
Settled deposits, coarse, 5% cross-sectional area loss

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Section Pictures - 27/06/2024 - MH6Y

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
7	Upstream	MH6Y	7	LSO0373827

13, 00:01:45, 22.47 m
Settled deposits, fine, 10% cross-sectional area loss

14, 00:01:55, 23.89 m
Settled deposits, hard or compacted at joint, 30% cross-sectional area loss

15, 00:02:16, 23.90 m
Survey abandoned, Due to debris

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Section Inspection - 27/06/2024 - MH1X

WEB PROJECT
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Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
8	1	27/06/24	14:25	LSO0373827	Dry	Yes	MH1X

Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Small Crawler	Not Specified	Private Drain	Not Specified

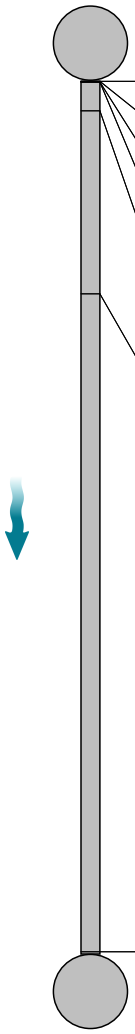
Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH1
Road:	Byrom Street	**Inspected Length:**	6.91 m	**Upstream Pipe Depth:**	0
Post Code:	M3 4PF	**Total Length:**	6.93 m	**Downstream Node:**	CARRIER
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	0

Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Concrete pipe
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:60

Depth: m
MH1



Carrier
Depth: m

Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: MH1	
0.00	WL	Water level, 5% of the vertical dimension	
0.01	DERJ	Settled deposits, coarse at joint, 5% cross-sectional area loss	2
0.01	CLJ	Crack, longitudinal at joint at 9 o'clock	2
0.24	LR	Line deviates right	
1.69	DES	Settled deposits, fine, 10% cross-sectional area loss	3
6.91	OCF	Finish node, other special chamber, reference: Carrier: Line drops into carrier	

MH - 0.00

DERJ - 0.01

CLJ - 0.01

DES - 1.69

OCF - 6.91

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	10.0	1.4	10.0	2.0	2	2.0	0.4	3.0	3.0

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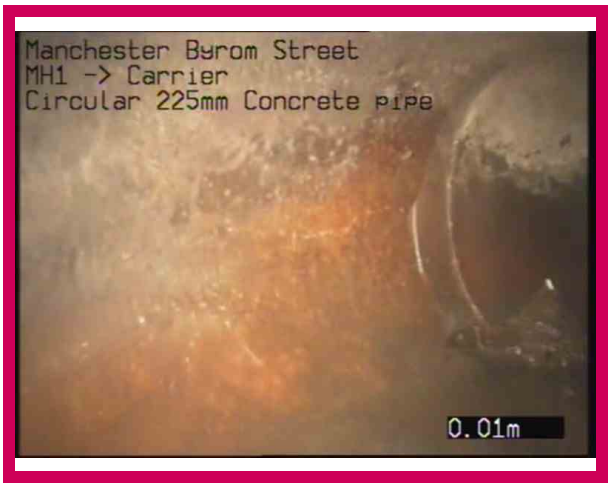
Section Pictures - 27/06/2024 - MH1X

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
8	Downstream	MH1X	8	LSO0373827

1, 00:00:00, 0.00 m
Start node, manhole, reference: MH1



2, 00:00:07, 0.01 m
Settled deposits, coarse at joint, 5% cross-sectional area loss

3, 00:00:07, 0.01 m
Crack, longitudinal at joint at 9 o'clock

4, 00:00:15, 1.69 m
Settled deposits, fine, 10% cross-sectional area loss

5, 00:00:48, 6.91 m
Finish node, other special chamber, reference: Carrier, Line drops into carrier

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Section Inspection - 26/06/2024 - MH1X

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
9	1	26/06/24	20:37	LSO0373827	Dry	No	MH1X

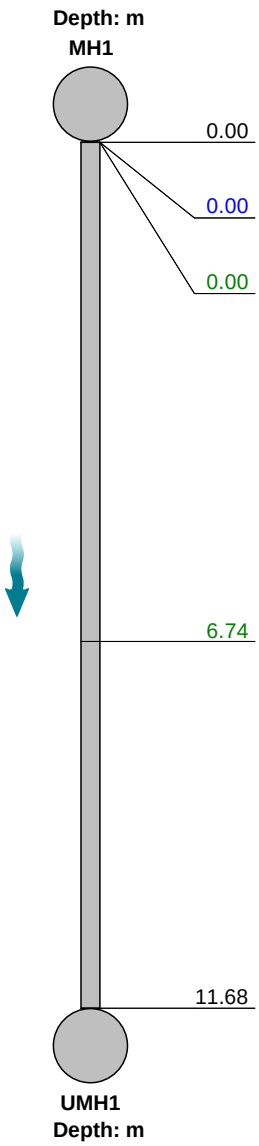
Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Push Rod	Not Specified	Highways Drainage	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH1
Road:	Byrom Street	**Inspected Length:**	11.68 m	**Upstream Pipe Depth:**	0
Post Code:	M3 4PF	**Total Length:**	11.68 m	**Downstream Node:**	UMH1
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	0

Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Concrete pipe
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments: Goes yo unmarked manhole, UMH1, not unknown as per screen.
Recommendations:

Scale: 1:102



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: MH1	
0.00	WL	Water level, 5% of the vertical dimension	
0.00	LR	Line deviates right	
6.74	LL	Line deviates left: Drops into main line	
11.68	OCF	Finish node, other special chamber, reference: UMH1: Unmarked manhole outside building	

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

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Section Inspection - 26/06/2024 - MH6X

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
10	1	26/06/24	20:37	LSO0373827	Dry	No	MH6X

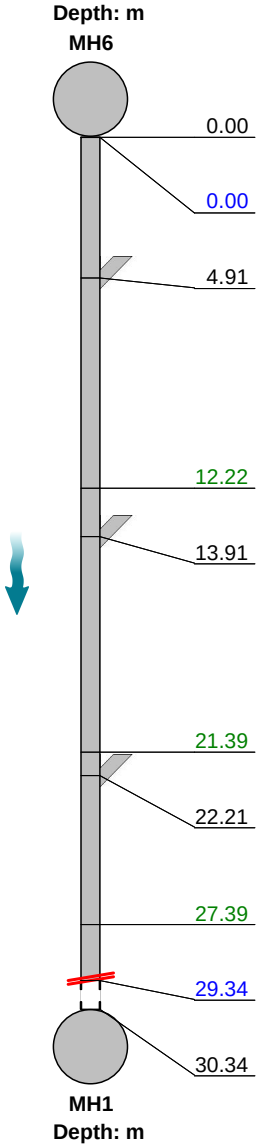
Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Push Rod	Not Specified	Highways Drainage	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH6
Road:	Byrom Street	**Inspected Length:**	29.34 m	**Upstream Pipe Depth:**	0
Post Code:	M3 4PF	**Total Length:**	30.34 m	**Downstream Node:**	MH1
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	0

Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Concrete pipe
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:263



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: MH6	
0.00	WL	Water level, 5% of the vertical dimension	
4.91	JN	Junction at 9 o'clock, diameter: 150mm	
12.22	DES	Settled deposits, fine, 10% cross-sectional area loss	3
13.91	JN	Junction at 9 o'clock, diameter: 150mm	
21.39	DES	Settled deposits, fine, 10% cross-sectional area loss	3
22.21	JN	Junction at 9 o'clock, diameter: 150mm	
27.39	DES	Settled deposits, fine, 5% cross-sectional area loss	2
29.34	SA	Survey abandoned: Unable to survey due to debris in line.	
30.34		End of pipe	

MH - 0.00

DES - 12.22

DES - 21.39

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	3	2.0	0.2	5.0	3.0

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Section Pictures - 26/06/2024 - MH6X

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
10	Downstream	MH6X	10	LSO0373827

1, 00:00:00, 0.00 m
Start node, manhole, reference: MH6

2, 00:01:14, 12.22 m
Settled deposits, fine, 10% cross-sectional area loss

3, 00:01:55, 21.39 m
Settled deposits, fine, 10% cross-sectional area loss

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Section Inspection - 26/06/2024 - MH6Y

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
11	1	26/06/24	20:37	LSO0373827	Dry	No	MH6Y

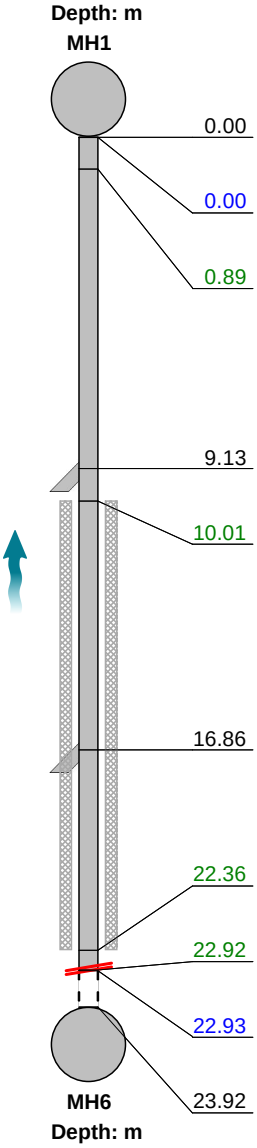
Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Push Rod	Not Specified	Highways Drainage	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	MH6
Road:	Byrom Street	**Inspected Length:**	22.93 m	**Upstream Pipe Depth:**	0
Post Code:	M3 4PF	**Total Length:**	23.92 m	**Downstream Node:**	MH1
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	0

Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Concrete pipe
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:208



Position [m]		Code	Observation	Grade
0.00		MH	Start node, manhole, reference: MH1	
0.00		WL	Water level, 5% of the vertical dimension	
0.89		DES	Settled deposits, fine, 10% cross-sectional area loss	3
9.13		JN	Junction at 3 o'clock, diameter: 150mm	
10.01	S01	DES	Settled deposits, fine, 5% cross-sectional area loss, start	
16.86		JN	Junction at 3 o'clock, diameter: 150mm	
22.36	F01	DES	Settled deposits, fine, 5% cross-sectional area loss, finish	2
22.92		DES	Settled deposits, fine, 40% cross-sectional area loss	4
22.93		SA	Survey abandoned: Unable to survey further.	
23.92			End of pipe	

MH - 0.00

DES - 0.89

DES - 22.92

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	3	6.0	0.8	20.0	4.0

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Section Pictures - 26/06/2024 - MH6Y

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
11	Upstream	MH6Y	11	LSO0373827

1, 00:00:00, 0.00 m
Start node, manhole, reference: MH1

2, 00:00:12, 0.89 m
Settled deposits, fine, 10% cross-sectional area loss

3, 00:01:16, 22.92 m
Settled deposits, fine, 40% cross-sectional area loss

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Section Inspection - 26/06/2024 - MH17X

WEB PROJECT
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Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
12	1	26/06/24	20:35	LSO0373827	Dry	No	MH17X

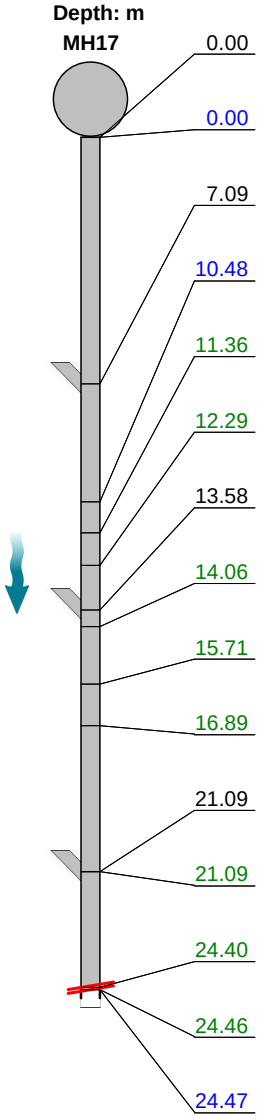
Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Push Rod	Not Specified	Highways Drainage	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH17
Road:	Byrom Street	**Inspected Length:**	24.47 m	**Upstream Pipe Depth:**	0
Post Code:	M3 4PF	**Total Length:**	25.46 m	**Downstream Node:**	MH11
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	0

Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Concrete pipe
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:217



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: MH17	
0.00	WL	Water level, 5% of the vertical dimension	
7.09	JN	Junction at 3 o'clock, diameter: 150mm	
10.48	REM	General remark: Cobwebs in line	
11.36	DEC	Settled deposits, hard or compacted, 10% cross-sectional area loss	3
12.29	DEC	Settled deposits, hard or compacted, 10% cross-sectional area loss	3
13.58	JN	Junction at 3 o'clock, diameter: 150mm	
14.06	DES	Settled deposits, fine, 5% cross-sectional area loss	2
15.71	DEEJ	Attached deposits, encrustation at joint from 7 o'clock to 8 o'clock, 5% cross-sectional area loss	2
16.89	DES	Settled deposits, fine, 10% cross-sectional area loss	3
21.09	JN	Junction at 3 o'clock, diameter: 150mm	
21.09	DES	Settled deposits, fine, 5% cross-sectional area loss	2
24.40	DES	Settled deposits, fine, 10% cross-sectional area loss	3
24.46	DES	Settled deposits, fine, 20% cross-sectional area loss	3
24.47	SA	Survey abandoned: Unable to survey further due to debris in line.	

MH - 0.00

DEC - 11.36

DES - 16.89

DES - 24.40

SA - 24.47

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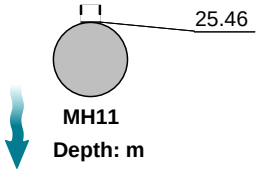
Section Inspection - 26/06/2024 - MH17X

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
12	1	26/06/24	20:35	LSO0373827	Dry	No	MH17X

Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Push Rod	Not Specified	Highways Drainage	Not Specified

Scale: 1:217	Position [m]	Code	Observation	Grade
	25.46		End of pipe	



Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	8	2.0	0.5	13.0	3.0

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Section Pictures - 26/06/2024 - MH17X

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
12	Downstream	MH17X	12	LSO0373827

1, 00:00:00, 0.00 m
Start node, manhole, reference: MH17

2, 00:00:35, 11.36 m
Settled deposits, hard or compacted, 10% cross-sectional area loss

3, 00:00:52, 16.89 m
Settled deposits, fine, 10% cross-sectional area loss

4, 00:02:02, 24.40 m
Settled deposits, fine, 10% cross-sectional area loss

5, 00:02:17, 24.47 m
Survey abandoned, Unable to survey further due to debris in line.

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Section Inspection - 26/06/2024 - MH21X

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
13	1	26/06/24	20:35	LSO0373827	Dry	No	MH21X

Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Push Rod	Not Specified	Highways Drainage	Not Specified

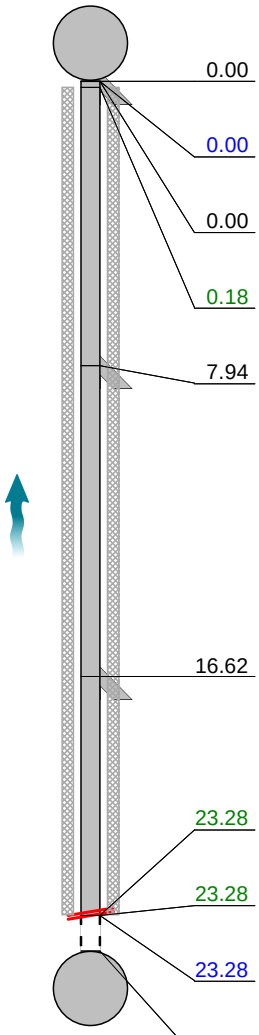
Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	MH21
Road:	Byrom Street	**Inspected Length:**	23.28 m	**Upstream Pipe Depth:**	0
Post Code:	M3 4PF	**Total Length:**	24.28 m	**Downstream Node:**	MH17
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	2.10

Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Concrete pipe
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:211

Depth: 2.10 m
MH17



Position [m]		Code	Observation	Grade
0.00		MH	Start node, manhole, reference: MH17	
0.00		WL	Water level, 5% of the vertical dimension	
0.00		JN	Junction at 9 o'clock, diameter: 150mm	
0.18	S01	DES	Settled deposits, fine, 10% cross-sectional area loss, start	
7.94		JN	Junction at 9 o'clock, diameter: 150mm	
16.62		JN	Junction at 9 o'clock, diameter: 150mm	
23.28	F01	DES	Settled deposits, fine, 10% cross-sectional area loss, finish	3
23.28		DEC	Settled deposits, hard or compacted, 30% cross-sectional area loss	4
23.28		SA	Survey abandoned: Unable to survey further due to debris in line.	
24.28			End of pipe	

MH21
Depth: m

MH - 0.00

DES - 0.18

DES - 23.28

DEC - 23.28

SA - 23.28

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	2	5.0	2.2	53.0	4.0

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Section Pictures - 26/06/2024 - MH21X

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
13	Upstream	MH21X	13	LSO0373827

1, 00:00:00, 0.00 m
Start node, manhole, reference: MH17

2, 00:00:09, 0.18 m
Settled deposits, fine, 10% cross-sectional area loss, start

3, 00:02:23, 23.28 m
Settled deposits, fine, 10% cross-sectional area loss, finish

4, 00:02:23, 23.28 m
Settled deposits, hard or compacted, 30% cross-sectional area loss

5, 00:02:29, 23.28 m
Survey abandoned, Unable to survey further due to debris in line.

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Section Inspection - 26/06/2024 - MH10X

WEB PROJECT
CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
14	1	26/06/24	20:36	LSO0373827	Dry	No	MH10X

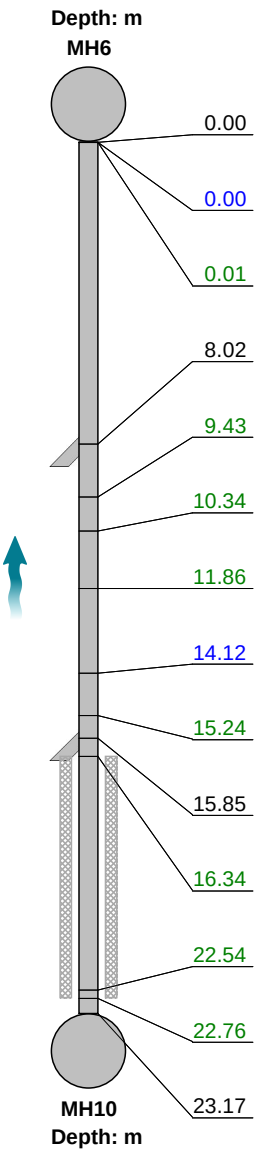
Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Push Rod	Not Specified	Highways Drainage	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	MH10
Road:	Byrom Street	**Inspected Length:**	23.17 m	**Upstream Pipe Depth:**	0
Post Code:	M3 4PF	**Total Length:**	23.17 m	**Downstream Node:**	MH6
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	0

Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Concrete pipe
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments: Line goes to BMH1, buried manhole.
Recommendations:

Scale: 1:201



Position [m]		Code	Observation	Grade
0.00		MH	Start node, manhole, reference: MH6	
0.00		WL	Water level, 5% of the vertical dimension	
0.01		DES	Settled deposits, fine, 5% cross-sectional area loss	2
8.02		JN	Junction at 3 o'clock, diameter: 150mm	
9.43		DES	Settled deposits, fine, 10% cross-sectional area loss	3
10.34		DES	Settled deposits, fine, 20% cross-sectional area loss	3
11.86		DES	Settled deposits, fine, 50% cross-sectional area loss	4
14.12		REM	General remark: Cobwebs in line	
15.24		DES	Settled deposits, fine, 5% cross-sectional area loss	2
15.85		JN	Junction at 3 o'clock, diameter: 150mm	
16.34	S01	DES	Settled deposits, fine, 10% cross-sectional area loss, start	
22.54		DEC	Settled deposits, hard or compacted, 10% cross-sectional area loss	3
22.76	F01	DES	Settled deposits, fine, 10% cross-sectional area loss, finish	3
23.17		OCF	Finish node, other special chamber, reference: MH10: BMH1, buried Manhole, not MH10.	

MH - 0.00

DES - 9.43

DES - 11.86

DEC - 22.54

OCF - 23.17

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	7	5.0	1.2	27.0	4.0

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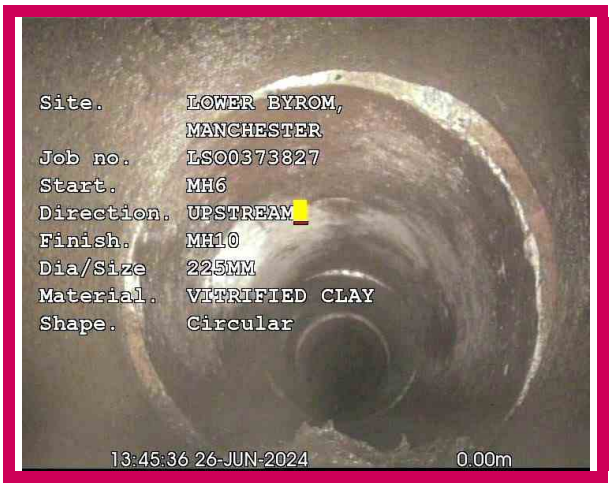
Section Pictures - 26/06/2024 - MH10X

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
14	Upstream	MH10X	14	LSO0373827



1, 00:00:00, 0.00 m
Start node, manhole, reference: MH6

2, 00:00:37, 9.43 m
Settled deposits, fine, 10% cross-sectional area loss

3, 00:01:03, 11.86 m
Settled deposits, fine, 50% cross-sectional area loss

4, 00:01:52, 22.54 m
Settled deposits, hard or compacted, 10% cross-sectional area loss

5, 00:05:19, 23.17 m
Finish node, other special chamber, reference: MH10, BMH1, buried Manhole, not MH10.

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Section Inspection - 04/07/2024 - MH1X

WEB PROJECT
CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
15	1	04/07/24	18:35	LSO0373827	Dry	Yes	MH1X

Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Small Crawler	Not Specified	Private Drain	Not Specified

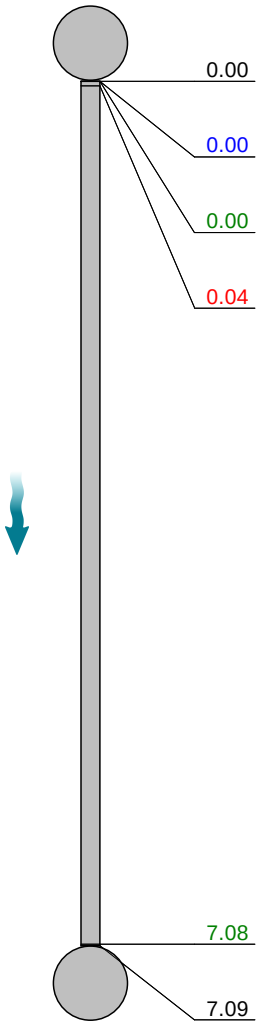
Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH1
Road:	Lower Byrom Street	**Inspected Length:**	7.09 m	**Upstream Pipe Depth:**	0
Post Code:	M3 4PF	**Total Length:**	7.09 m	**Downstream Node:**	UMMH1
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	0

Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Vitrified clay
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:62

Depth: m
MH1



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: MH1	
0.00	WL	Water level, 5% of the vertical dimension	
0.00	LR	Line deviates right	
0.04	CLJ	Crack, longitudinal at joint at 9 o'clock	2
7.08	LD	Line deviates down	
7.09	OCF	Finish node, other special chamber, reference: UMMH1: Carrier line to UMMH1.	

MH - 0.00

CLJ - 0.04

OCF - 7.09

UMMH1
Depth: m

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	10.0	1.4	10.0	2.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 04/07/2024 - MH1X

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
15	Downstream	MH1X	15	LSO0373827

1, 00:00:00, 0.00 m
Start node, manhole, reference: MH1

2, 00:00:05, 0.04 m
Crack, longitudinal at joint at 9 o'clock

3, 00:00:52, 7.09 m
Finish node, other special chamber, reference: UMMH1,
Carrier line to UMMH1.

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Section Inspection - 04/07/2024 - MH6X

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
16	1	04/07/24	18:36	LSO0373827	Dry	Yes	MH6X

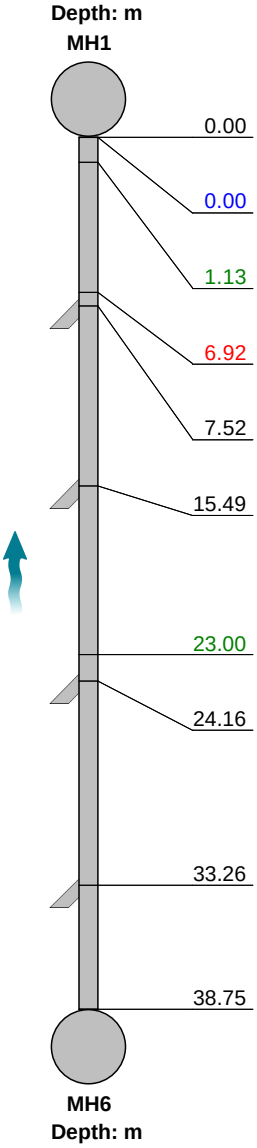
Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Small Crawler	Not Specified	Private Drain	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	MH6
Road:	Lower Byrom Street	**Inspected Length:**	38.75 m	**Upstream Pipe Depth:**	0
Post Code:	M3 4PF	**Total Length:**	38.75 m	**Downstream Node:**	MH1
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	0

Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Vitrified clay
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:336



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: MH1	
0.00	WL	Water level, 5% of the vertical dimension	
1.13	DEEJ	Attached deposits, encrustation at joint from 12 o'clock to 3 o'clock, 5% cross-sectional area loss	2
6.92	FL	Fracture, longitudinal at 9 o'clock	3
7.52	JN	Junction at 3 o'clock, diameter: 150mm	
15.49	JN	Junction at 3 o'clock, diameter: 150mm	
23.00	DES	Settled deposits, fine, 5% cross-sectional area loss	2
24.16	JN	Junction at 3 o'clock, diameter: 150mm	
33.26	JN	Junction at 3 o'clock, diameter: 150mm	
38.75	MHF	Finish node, manhole, reference: MH6	

MH - 0.00

FL - 6.92

DES - 23.00

MHF - 38.75

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	40.0	1.0	40.0	3.0	2	1.0	0.1	2.0	2.0

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Section Pictures - 04/07/2024 - MH6X

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
16	Upstream	MH6X	16	LSO0373827

1, 00:00:00, 0.00 m
Start node, manhole, reference: MH1

2, 00:00:47, 6.92 m
Fracture, longitudinal at 9 o'clock

3, 00:02:36, 23.00 m
Settled deposits, fine, 5% cross-sectional area loss

4, 00:04:50, 38.75 m
Finish node, manhole, reference: MH6

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Section Inspection - 04/07/2024 - BMH1X

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
17	1	04/07/24	18:36	LSO0373827	Dry	Yes	BMH1X

Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Small Crawler	Not Specified	Private Drain	Not Specified

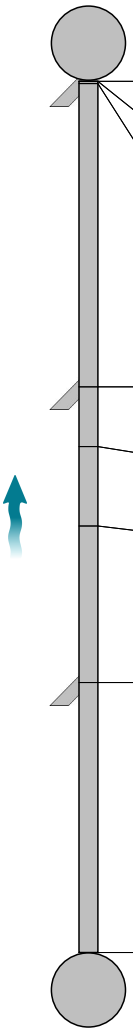
Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	BMH1
Road:	Lower Byrom Street	**Inspected Length:**	24.78 m	**Upstream Pipe Depth:**	0
Post Code:	M3 4PF	**Total Length:**	24.78 m	**Downstream Node:**	MH6
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	0

Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Vitrified clay
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:215

Depth: m
MH6



BMH1
Depth: m

Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: MH6	
0.00	WL	Water level, 5% of the vertical dimension	
0.07	JN	Junction at 3 o'clock, diameter: 150mm	
8.69	JN	Junction at 3 o'clock, diameter: 150mm	
10.39	DEC	Settled deposits, hard or compacted, 5% cross-sectional area loss	2
12.66	DES	Settled deposits, fine, 10% cross-sectional area loss	3
17.10	JN	Junction at 3 o'clock, diameter: 150mm	
24.78	MHF	Finish node, manhole, reference: BMH1	

MH - 0.00

MH - 0.00

JN - 8.69

DES - 12.66

MHF - 24.78

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
2	1.0	0.1	2.0	1.0	2	2.0	0.1	3.0	3.0

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Section Pictures - 04/07/2024 - BMH1X

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
17	Upstream	BMH1X	17	LSO0373827

1, 00:00:00, 0.00 m
Start node, manhole, reference: MH6

2, 00:00:00, 0.00 m
Start node, manhole, reference: MH6

3, 00:00:55, 8.69 m
Junction at 3 o'clock, diameter: 150mm

4, 00:01:23, 12.66 m
Settled deposits, fine, 10% cross-sectional area loss

5, 00:02:52, 24.78 m
Finish node, manhole, reference: BMH1

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Section Inspection - 04/07/2024 - UMRWP1X

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
18	1	04/07/24	18:36	LSO0373827	Dry	Yes	UMRWP1X

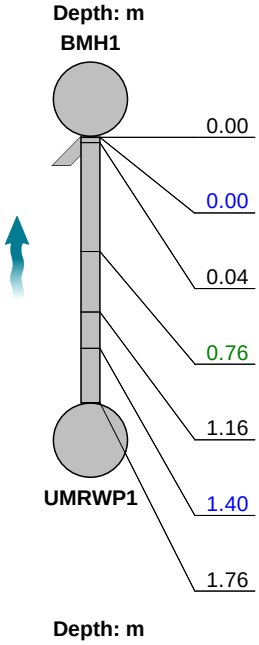
Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Small Crawler	Not Specified	Private Drain	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	UMRWP1
Road:	Lower Byrom Street	**Inspected Length:**	1.76 m	**Upstream Pipe Depth:**	0
Post Code:	M3 4PF	**Total Length:**	1.76 m	**Downstream Node:**	BMH1
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	0

Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Vitrified clay
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: BMH1	
0.00	WL	Water level, 10% of the vertical dimension	
0.04	JN	Junction at 3 o'clock, diameter: 150mm	
0.76	DES	Settled deposits, fine, 10% cross-sectional area loss	3
1.16	SC	Size changes, new size(s), 150mm high	
1.40	REM	General remark: Line reduces to 150mm, UMRWP1	
1.76	OCF	Finish node, other special chamber, reference: UMRWP1: Line reduces to UMRWP1, not BMH2 as stated on screen.	

MH - 0.00

DES - 0.76

OCF - 1.76

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	2.0	1.1	2.0	3.0

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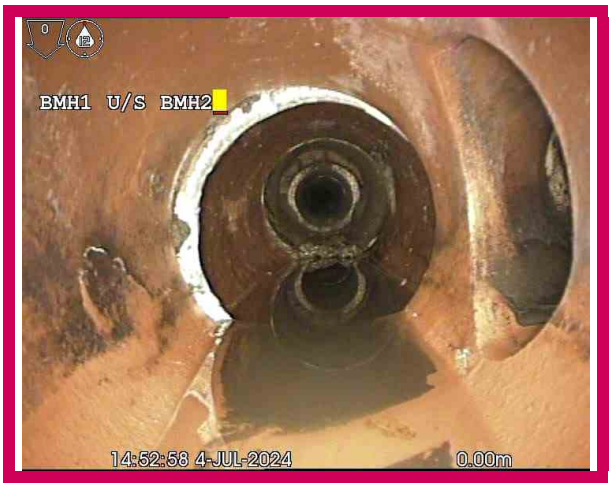
Section Pictures - 04/07/2024 - UMRWP1X

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
18	Upstream	UMRWP1X	18	LSO0373827



1, 00:00:00, 0.00 m
Start node, manhole, reference: BMH1

2, 00:00:07, 0.76 m
Settled deposits, fine, 10% cross-sectional area loss

3, 00:00:15, 1.76 m
Finish node, other special chamber, reference: UMRWP1, Line reduces to UMRWP1, not BMH2 as stated on screen.

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Section Inspection - 26/06/2024 - MH21X

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
19	1	26/06/24	20:35	LSO0373827	Dry	No	MH21X

Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Push Rod	Not Specified	Highways Drainage	Not Specified

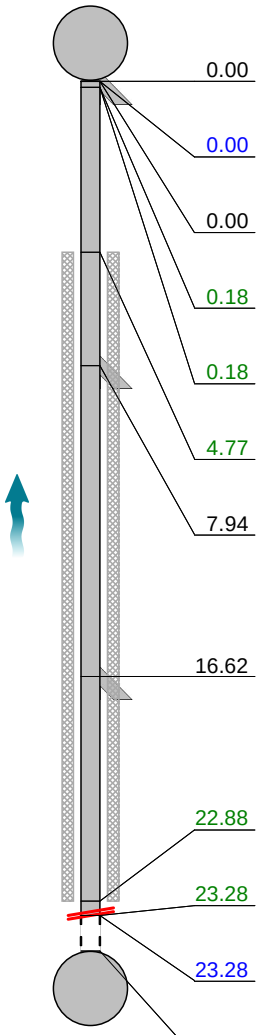
Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	MH21
Road:	Byrom Street	**Inspected Length:**	23.28 m	**Upstream Pipe Depth:**	0
Post Code:	M3 4PF	**Total Length:**	24.28 m	**Downstream Node:**	MH17
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	2.10

Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Concrete pipe
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:211

Depth: 2.10 m
MH17



Position [m]		Code	Observation	Grade
0.00		MH	Start node, manhole, reference: MH17	
0.00		WL	Water level, 5% of the vertical dimension	
0.00		JN	Junction at 9 o'clock, diameter: 150mm	
0.18		DES	Settled deposits, fine, 20% cross-sectional area loss	3
0.18		DES	Settled deposits, fine, 10% cross-sectional area loss	3
4.77	S01	DES	Settled deposits, fine, 10% cross-sectional area loss, start	
7.94		JN	Junction at 9 o'clock, diameter: 150mm	
16.62		JN	Junction at 9 o'clock, diameter: 150mm	
22.88	F01	DES	Settled deposits, fine, 10% cross-sectional area loss, finish	3
23.28		DES	Settled deposits, fine, 30% cross-sectional area loss	4
23.28		SA	Survey abandoned: Unable to survey further due to debris in line.	
24.28			End of pipe	

MH21
Depth: m

MH - 0.00

SA - 23.28

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	4	5.0	1.9	47.0	4.0

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Section Pictures - 26/06/2024 - MH21X

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
19	Upstream	MH21X	19	LSO0373827

1, 00:00:00, 0.00 m
Start node, manhole, reference: MH17

2, 00:02:29, 23.28 m
Survey abandoned, Unable to survey further due to debris in line.

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Section Inspection - 26/06/2024 - MH17X

WEB PROJECT
CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
20	1	26/06/24	20:35	LSO0373827	Dry	No	MH17X

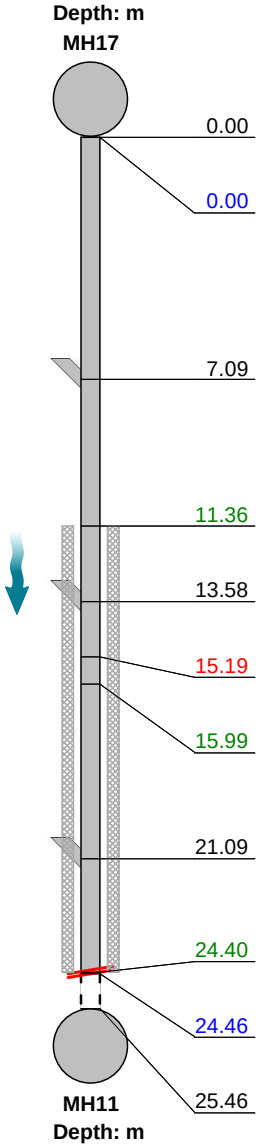
Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Push Rod	Not Specified	Highways Drainage	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH17
Road:	Byrom Street	**Inspected Length:**	24.46 m	**Upstream Pipe Depth:**	0
Post Code:	M3 4PF	**Total Length:**	25.46 m	**Downstream Node:**	MH11
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	0

Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Concrete pipe
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:221



Position [m]		Code	Observation	Grade
0.00		MH	Start node, manhole, reference: MH17	
0.00		WL	Water level, 5% of the vertical dimension	
7.09		JN	Junction at 3 o'clock, diameter: 150mm	
11.36	S01	DES	Settled deposits, fine, 10% cross-sectional area loss, start	
13.58		JN	Junction at 3 o'clock, diameter: 150mm	
15.19		CC	Crack, circumferential from 6 o'clock to 9 o'clock	2
15.99		DEEJ	Attached deposits, encrustation at joint from 6 o'clock to 8 o'clock, 5% cross-sectional area loss	2
21.09		JN	Junction at 3 o'clock, diameter: 150mm	
24.40	F01	DES	Settled deposits, fine, 10% cross-sectional area loss, finish	3
24.46		SA	Survey abandoned: Unable to survey further due to debris in line.	
25.46			End of pipe	

MH - 0.00

DEEJ - 15.99

SA - 24.46

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	10.0	0.4	10.0	2.0	2	3.0	1.1	29.0	3.0

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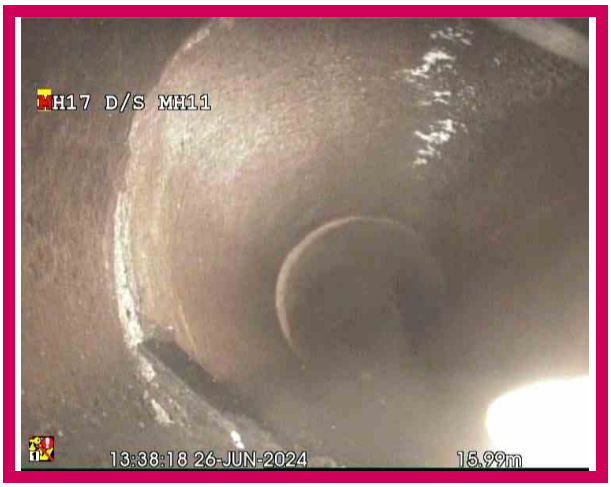
Section Pictures - 26/06/2024 - MH17X

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
20	Downstream	MH17X	20	LSO0373827

1, 00:00:00, 0.00 m
Start node, manhole, reference: MH17



2, 00:00:48, 15.99 m
Attached deposits, encrustation at joint from 6 o'clock to 8 o'clock, 5% cross-sectional area loss

3, 00:02:17, 24.46 m
Survey abandoned, Unable to survey further due to debris in line.

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Section Inspection - 26/06/2024 - MH10X

WEB PROJECT
CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
21	1	26/06/24	20:36	LSO0373827	Dry	No	MH10X

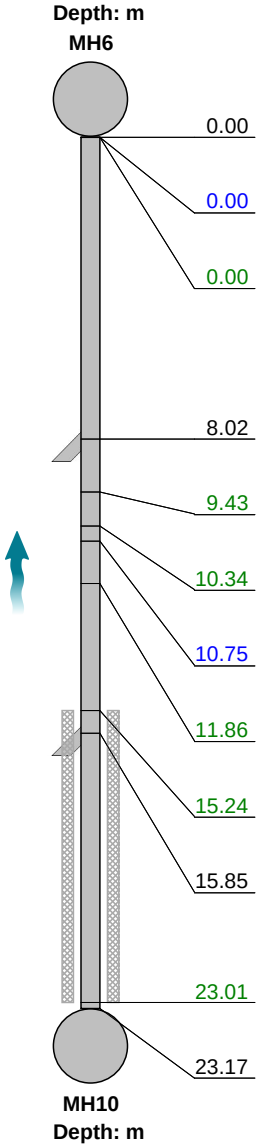
Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Push Rod	Not Specified	Highways Drainage	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	MH10
Road:	Byrom Street	**Inspected Length:**	23.17 m	**Upstream Pipe Depth:**	0
Post Code:	M3 4PF	**Total Length:**	23.17 m	**Downstream Node:**	MH6
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	0

Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Concrete pipe
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments: Line goes to BMH1, buried manhole.
Recommendations:

Scale: 1:201



Position [m]		Code	Observation	Grade
0.00		MH	Start node, manhole, reference: MH6	
0.00		WL	Water level, 5% of the vertical dimension	
0.00		DES	Settled deposits, fine, 5% cross-sectional area loss	2
8.02		JN	Junction at 3 o'clock, diameter: 150mm	
9.43		DES	Settled deposits, fine, 10% cross-sectional area loss	3
10.34		DES	Settled deposits, fine, 20% cross-sectional area loss	3
10.75		CUD	Loss of vision, silt	
11.86		DES	Settled deposits, fine, 50% cross-sectional area loss	4
15.24	S01	DES	Settled deposits, fine, 5% cross-sectional area loss, start	
15.85		JN	Junction at 3 o'clock, diameter: 150mm	
23.01	F01	DES	Settled deposits, fine, 5% cross-sectional area loss, finish	2
23.17		OCF	Finish node, other special chamber, reference: MH10: BMH1, buried Manhole, not MH10.	

MH - 0.00

OCF - 23.17

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	5	5.0	0.8	18.0	4.0

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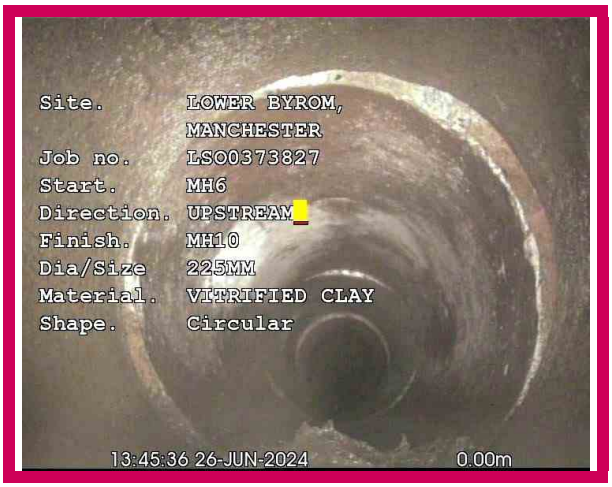
Section Pictures - 26/06/2024 - MH10X

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
21	Upstream	MH10X	21	LSO0373827



1, 00:00:00, 0.00 m
Start node, manhole, reference: MH6

2, 00:05:19, 23.17 m
Finish node, other special chamber, reference: MH10, BMH1, buried Manhole, not MH10.

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Section Inspection - 26/06/2024 - MH6X

WEB PROJECT
CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
22	1	26/06/24	20:37	LSO0373827	Dry	No	MH6X

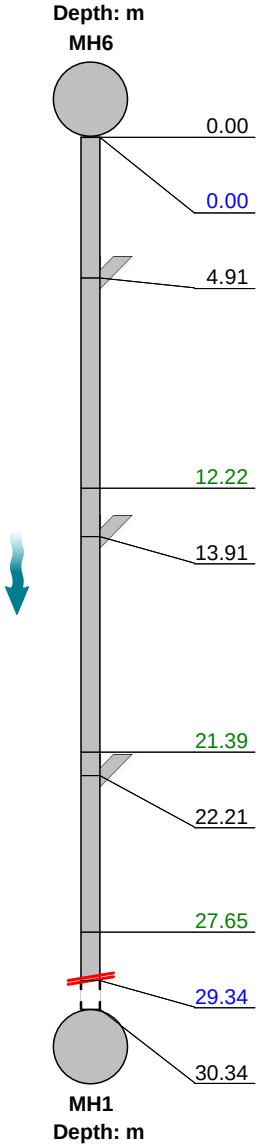
Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Push Rod	Not Specified	Highways Drainage	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH6
Road:	Byrom Street	**Inspected Length:**	29.34 m	**Upstream Pipe Depth:**	0
Post Code:	M3 4PF	**Total Length:**	30.34 m	**Downstream Node:**	MH1
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	0

Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Concrete pipe
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:263



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: MH6	
0.00	WL	Water level, 5% of the vertical dimension	
4.91	JN	Junction at 9 o'clock, diameter: 150mm	
12.22	DES	Settled deposits, fine, 10% cross-sectional area loss	3
13.91	JN	Junction at 9 o'clock, diameter: 150mm	
21.39	DES	Settled deposits, fine, 10% cross-sectional area loss	3
22.21	JN	Junction at 9 o'clock, diameter: 150mm	
27.65	DES	Settled deposits, fine, 5% cross-sectional area loss	2
29.34	SA	Survey abandoned: Unable to survey due to debris in line.	
30.34		End of pipe	

MH - 0.00

DES - 12.22

SA - 29.34

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	3	2.0	0.2	5.0	3.0

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Section Pictures - 26/06/2024 - MH6X

Item No.	Inspection Direction	PLR	Insp. No.	Lanes Job Number
22	Downstream	MH6X	22	LSO0373827

1, 00:00:00, 0.00 m
Start node, manhole, reference: MH6

2, 00:01:14, 12.22 m
Settled deposits, fine, 10% cross-sectional area loss

3, 00:05:53, 29.34 m
Survey abandoned, Unable to survey due to debris in line.

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Section Inspection - 26/06/2024 - MH6Y

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
23	1	26/06/24	20:37	LSO0373827	Dry	No	MH6Y

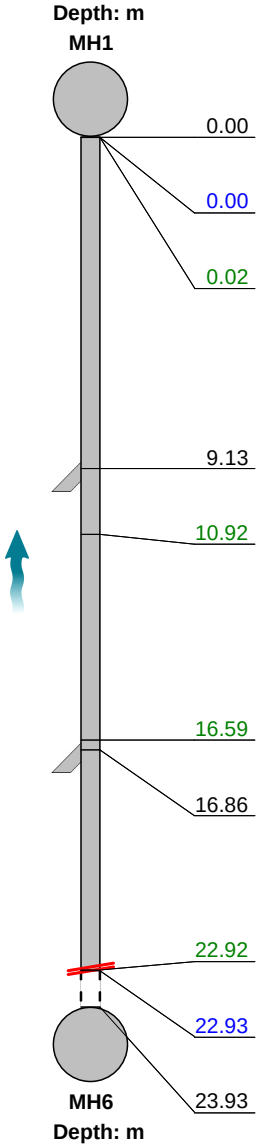
Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Push Rod	Not Specified	Highways Drainage	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	MH6
Road:	Byrom Street	**Inspected Length:**	22.93 m	**Upstream Pipe Depth:**	0
Post Code:	M3 4PF	**Total Length:**	23.93 m	**Downstream Node:**	MH1
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	0

Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Concrete pipe
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:208



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: MH1	
0.00	WL	Water level, 5% of the vertical dimension	
0.02	DES	Settled deposits, fine, 10% cross-sectional area loss	3
9.13	JN	Junction at 3 o'clock, diameter: 150mm	
10.92	DES	Settled deposits, fine, 10% cross-sectional area loss	3
16.59	DES	Settled deposits, fine, 10% cross-sectional area loss	3
16.86	JN	Junction at 3 o'clock, diameter: 150mm	
22.92	DES	Settled deposits, fine, 40% cross-sectional area loss	4
22.93	SA	Survey abandoned: Unable to survey further.	
23.93		End of pipe	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	4	5.0	0.5	11.0	4.0

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Section Inspection - 26/06/2024 - MH1X

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date:	Time:	Lanes Job Number	Weather	Pre Cleaned	PLR
24	1	26/06/24	20:37	LSO0373827	Dry	No	MH1X

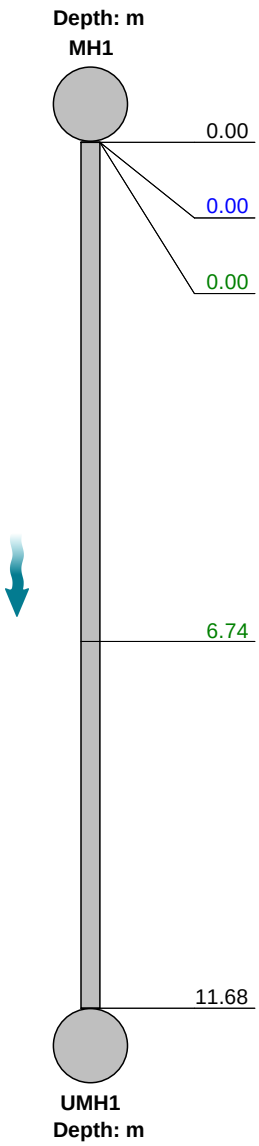
Operator	Asset Location:	Camera	Preset Length	Legal Status	Alternative ID
J. Paschke	Inside building	Push Rod	Not Specified	Highways Drainage	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH1
Road:	Byrom Street	**Inspected Length:**	11.68 m	**Upstream Pipe Depth:**	0
Post Code:	M3 4PF	**Total Length:**	11.68 m	**Downstream Node:**	UMH1
Surface Type:	Concrete Footway	**Joint Length:**	0.70 m	**Downstream Pipe Depth:**	0

Asset Use:	Surface waste	**Asset Shape:**	Circular
Asset Type:	Gravity drain/sewer	**Dia/Height:**	225 mm
Asset Owner:	Private	**Asset Material:**	Concrete pipe
Year Constructed:	Not Specified	**Asset Lining Type:**	No Lining
Inspection Purpose:	Condition survey	**Asset Lining Material:**	No Lining

Comments: Goes yo unmarked manhole, UMH1, not unknown as per screen.
Recommendations:

Scale: 1:102



Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: MH1	
0.00	WL	Water level, 5% of the vertical dimension	
0.00	LR	Line deviates right	
6.74	LL	Line deviates left: Drops into main line	
11.68	OCF	Finish node, other special chamber, reference: UMH1: Unmarked manhole outside building	

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