

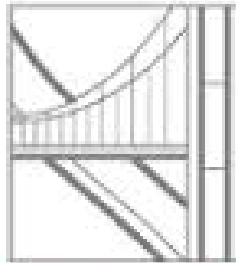
Project**Project Name:** 2024-06-30014 RG Parkins Queens Park Drive Millom**Project Date:** 09/07/2024**Inspection Standard:** MSCC5 Sewers & Drainage GB (SRM5 Scoring)**R. G. PARKINS & PARTNERS LTD**
CONSULTING CIVIL & STRUCTURAL ENGINEERS

Table of Contents

Project Name	Project Number	Project Date
2024-06-30014 RG Parkins Queens Park Drive Millom		09/07/2024

Project Information	P-1
Scoring Summary	P-2
Section Item 1: Gully > UUMH6102 (GullyX)	1
Section Item 2: UUMH6102 > UUMH6101 (UUMH6102X)	3
Section Item 3: UUMH6101 > UUMH6100 (UUMH6101X)	5
Section Item 4: UUMH6100 > UUMH5100 (UUMH6100X)	7
Section Item 5: UUMH5100 > UUMH5200 (UUMH5100X)	10
Section Item 6: UUMH6207 > UUMH5201 (UUMH6207X)	12
Section Item 7: UUMH6207 > UUMH5201 (UUMH6207X)	14
Section Item 8: UUMH7100 > UUMH5201 (UUMH7100X)	20
Section Item 9: UTP > UUMH5210 (UTPX)	22
Section Item 10: UUMH5210 > UUMH5211 (UUMH5210X)	24
Section Item 11: UUMH5211 > UUMH5212 (UUMH5211X)	26
Section Item 12: UUMH5213 > Main (UUMH5213X)	29
Section Item 13: UUMH5200 > UUMH4203 (UUMH5200X)	31
Section Item 14: UUMH4200 > UUMH4203 (UUMH4200X)	35
Section Item 15: UUMH4200 > UUMH4107 (UUMH4200X)	36
Section Item 16: UUMH4115 > Main (UUMH4115X)	38
Section Item 17: UUMH6104 > UUMH6105 (UUMH6104X)	40
Section Item 18: UUMH6105 > UUMH6106 (UUMH6105X)	42
Section Item 19: UUMH6106 > UUMH6107 (UUMH6106X)	45
Section Item 20: UUMH6107 > UTP (UUMH6107X)	47
Section Item 21: UUMH6107B > UUMH6107A (UUMH6107BX)	50
Section Item 22: UUMH6107A > UUMH6107C (UUMH6107AX)	54
Section Item 23: UUMH6107C > UUMH6107D (UUMH6107CX)	59
Section Item 24: UUMH6107D > UUMH7003 (UUMH6107DX)	61
Section Item 25: UUMH6103 > UUMH7100 (UUMH6103X)	63
Section Item 26: UUMH7100 > UUMH7003 (UUMH7100X)	65
Section Item 27: UUMH7003 > UUMH8006 (UUMH7003X)	67

Project Information

Project Name	Project Number	Project Date
2024-06-30014 RG Parkins Queens Park Drive Millom		09/07/2024

Client

Company: RG Parkins & Partners Ltd
Street: Meadowside
Town or City: Kendal
Post Code: LA9 6NY



Site

Company: RG Parkins & Partners Ltd
Street: Queens Park Drive
Town or City: Millom
Post Code: LA18 5EA



Contractor

Company: Drain Doctor NW
Street: Unit E1, Bradkirk Business Park, Weeton Road
Town or City: Wesham
Post Code: PR4 3FZ
Phone: 0800 026 6623
Email: sales@draindoctornw.co.uk



Scoring Summary

Project Name
2024-06-30014 RG Parkins Queens Park Drive Millom

Project Number

Project Date
09/07/2024

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	UU MH 6100X	4	Multiple defects
6	UU MH 6207X	3	Fracture, longitudinal at 12 o'clock
7	UU MH 6207X	3	Cracks, multiple from 9 o'clock to 3 o'clock
11	UU MH 5211X	3	Cracks, multiple at joint from 7 o'clock to 2 o'clock
13	UU MH 5200X	4	Multiple defects
18	UU MH 6105X	4	Hole in drain or sewer from 10 o'clock to 11 o'clock
19	UU MH 6106X	4	Broken pipe at joint from 12 o'clock to 4 o'clock
21	UU MH6107BX	4	Broken pipe from 7 o'clock to 4 o'clock
22	UU MH6107AX	4	Fractures, multiple at joint from 8 o'clock to 5 o'clock
25	UU MH 6103X	5	Hole in drain or sewer from 11 o'clock to 2 o'clock
27	UU MH 7003X	3	Cracks, multiple from 1 o'clock to 5 o'clock

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
1	GullyX	3	Joint displaced, medium
2	UU MH 6102X	3	Multiple defects
3	UU MH 6101X	3	Settled deposits, hard or compacted, 5% cross-sectional area loss
4	UU MH 6100X	3	Multiple defects
5	UU MH 5100X	3	Multiple defects
6	UU MH 6207X	4	Settled deposits, hard or compacted, 25% cross-sectional area loss
7	UU MH 6207X	4	Multiple defects
8	UU MH 7100X	4	Settled deposits, fine at joint, 20% cross-sectional area loss
9	UTPX	4	Settled deposits, other, 40% cross-sectional area loss
11	UU MH 5211X	5	Roots, mass, 40% cross-sectional area loss
12	UU MH 5213X	4	Joint displaced, large
13	UU MH 5200X	4	Settled deposits, other at joint, 20% cross-sectional area loss
16	UU MH 4115X	4	Joint displaced, large
17	UU MH 6104X	3	Settled deposits, other, 15% cross-sectional area loss
18	UU MH 6105X	4	Settled deposits, other, 20% cross-sectional area loss

Scoring Summary

Project Name	Project Number	Project Date
2024-06-30014 RG Parkins Queens Park Drive Millom		09/07/2024

Section	PLR	Grade	Description
19	UU MH 6106X	4	Settled deposits, hard or compacted, 25% cross-sectional area loss
20	UU MH 6107X	4	Multiple defects
21	UU MH6107BX	3	Settled deposits, other, 10% cross-sectional area loss
22	UU MH6107AX	3	Roots, mass, 10% cross-sectional area loss
25	UU MH 6103X	3	Attached deposits, encrustation at joint from 7 o'clock to 12 o'clock, 15% cross-sectional area loss
27	UU MH 7003X	4	Settled deposits, hard or compacted, 25% cross-sectional area loss

Abandoned Surveys

Section	PLR	Description
6	UU MH 6207X	Survey abandoned
7	UU MH 6207X	Survey abandoned
9	UTPX	Survey abandoned
17	UU MH 6104X	Survey abandoned
19	UU MH 6106X	Survey abandoned
20	UU MH 6107X	Survey abandoned
27	UU MH 7003X	Survey abandoned

Information

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

Section Pictures - 01/07/2024 - GullyX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Upstream	GULLYX		



GullyX_c0fb68e5-ac3c-4848-a10f-fa8c97e055ed_20240710_1
14921_945.jpg, 00:00:32, 0.11 m
Joint displaced, medium

Section Inspection - 01/07/2024 - UU MH 6102X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
2	1	01/07/24	9:39	Not Specified	Not Specified	No	UU MH 6102X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
Not Specified		Not Specified		Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Millom	Inspection Direction:	Downstream	Upstream Node:	UU MH 6102
Road:	Queens Park Drive	Inspected Length:	45.00 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	45.00 m	Downstream Node:	UU MH 6101
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	300 mm		
Flow Control:		Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:390	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m UU MH 6102							
		0.00	MH	Start node, manhole, reference: UU MH 6102	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension	00:00:15		
		1.41	JDM	Joint displaced, medium	00:00:23	UU MH 6102X_21 0052a5-ba	1 / 3
		30.80	JN	Junction at 10 o'clock, 150mm dia	00:02:15		
		31.03	DEC	Settled deposits, hard or compacted, 15% cross-sectional area loss	00:02:16	UU MH 6102X_05 4b9233-0e	3
		31.73	JN	Junction at 2 o'clock, 150mm dia	00:02:19		
		32.26	CCJ	Crack, circumferential at joint from 4 o'clock to 10 o'clock	00:02:22	UU MH 6102X_8a a0c46d-9a	2 / 2
		43.55	CC	Crack, circumferential from 9 o'clock to 3 o'clock	00:03:06	UU MH 6102X_5fa 5dfff-6f48-	2 / 2
		45.00	MHF	Finish node, manhole, reference: UU MH 6101	00:03:13		
UU MH 6101 Depth: m							

Construction Features

Structural Defects

Miscellaneous Features

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	10.0	0.5	21.0	2.0	4	2.0	0.1	6.0	3.0

Section Pictures - 01/07/2024 - UU MH 6102X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Downstream	UU MH 6102X		



UU MH
 6102X_210052a5-baf9-4066-87cf-7e52002475c0_20240710_114315_826.jpg, 00:00:23, 1.41 m
 Joint displaced, medium



UU MH
 6102X_054b9233-0eb6-4d59-b32b-33d4f6c33e59_20240710_114500_483.jpg, 00:02:16, 31.03 m
 Settled deposits, hard or compacted, 15% cross-sectional area loss



UU MH
 6102X_8aa0c46d-9a96-4dd7-baeb-a9c16474a47f_20240710_114547_387.jpg, 00:02:22, 32.26 m
 Crack, circumferential at joint from 4 o'clock to 10 o'clock



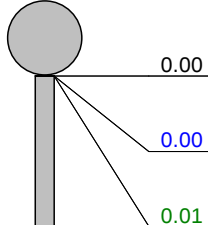
UU MH
 6102X_5fa5dfff-6f48-417e-b0eb-d9ced27bb390_20240710_114839_437.jpg, 00:03:06, 43.55 m
 Crack, circumferential from 9 o'clock to 3 o'clock

Section Inspection - 01/07/2024 - UU MH 6101X

Item No. 3	Insp. No. 1	Date 01/07/24	Time 10:11	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned No	PLR UU MH 6101X
Operator Not Specified		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Millom	Inspection Direction:	Upstream	Upstream Node:	UU MH 6101
Road:	Queens Park Drive	Inspected Length:	18.90 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	18.90 m	Downstream Node:	UU MH 6100
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	225 mm		
Flow Control:		Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:164	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m UU MH 6100  18.90 UU MH 6101 Depth: m						
	0.00	MH	Start node, manhole, reference: UU MH 6100	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension	00:00:09		
	0.01	DEC	Settled deposits, hard or compacted, 5% cross-sectional area loss	00:00:09	UU MH 6101X_18 696ca0-ac	3
	18.90	MHF	Finish node, manhole, reference: UU MH 6101	00:01:35		

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	0.1	2.0	3.0

Section Pictures - 01/07/2024 - UU MH 6101X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
3	Upstream	UU MH 6101X		



UU MH

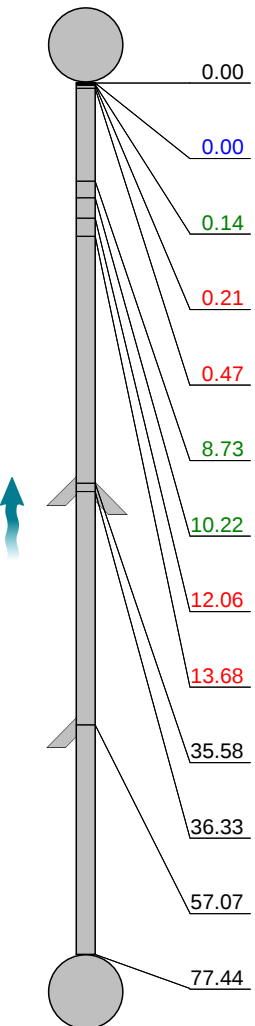
6101X_18696ca0-ac4b-427f-a879-3084d0501363_20240710_113731_112.jpg, 00:00:09, 0.01 m
Settled deposits, hard or compacted, 5% cross-sectional area loss

Section Inspection - 01/07/2024 - UU MH 6100X

Item No. 4	Insp. No. 1	Date 01/07/24	Time 10:08	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned No	PLR UU MH 6100X
Operator Not Specified		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Millom	Inspection Direction:	Upstream	Upstream Node:	UU MH 6100
Road:	Queens Park Drive	Inspected Length:	77.44 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	77.44 m	Downstream Node:	UU MH 5100
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	225 mm		
Flow Control:		Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:671	Position [m]	Code	Observation	MPEG	Photo	Grade																																																																														
Depth: m UU MH 5100  0.00 0.00 0.14 0.21 0.47 8.73 10.22 12.06 13.68 35.58 36.33 57.07 77.44 UU MH 6100 Depth: m <table><tr><td>MH</td><td>Start node, manhole, reference: UU MH 5100</td><td>00:00:00</td><td></td><td></td><td></td></tr><tr><td>WL</td><td>Water level, 0% of the vertical dimension</td><td>00:00:13</td><td></td><td></td><td></td></tr><tr><td>LL</td><td>Line deviates left</td><td>00:00:13</td><td></td><td></td><td></td></tr><tr><td>JDM</td><td>Joint displaced, medium</td><td>00:00:15</td><td>UU MH 6100X_c2 b53817-6b</td><td>1 / 3</td><td></td></tr><tr><td>JDM</td><td>Joint displaced, medium</td><td>00:00:19</td><td>UU MH 6100X_06f 56600-acb</td><td>1 / 3</td><td></td></tr><tr><td>DER</td><td>Settled deposits, coarse, 10% cross-sectional area loss</td><td>00:00:52</td><td>UU MH 6100X_ce 0da5d5-01</td><td>3</td><td></td></tr><tr><td>DEC</td><td>Settled deposits, hard or compacted, 10% cross-sectional area loss</td><td>00:00:58</td><td>UU MH 6100X_75 dea4a6-2f</td><td>3</td><td></td></tr><tr><td>BJ</td><td>Broken pipe at joint from 5 o'clock to 12 o'clock</td><td>00:01:05</td><td>UU MH 6100X_1f1 a0399-e9c</td><td>4</td><td></td></tr><tr><td>B</td><td>Broken pipe from 5 o'clock to 1 o'clock</td><td>00:01:12</td><td>UU MH 6100X_14 517ef8-5c</td><td>4</td><td></td></tr><tr><td>JN</td><td>Junction at 2 o'clock, 150mm dia</td><td>00:02:40</td><td></td><td></td><td></td></tr><tr><td>JN</td><td>Junction at 10 o'clock, 150mm dia</td><td>00:02:43</td><td></td><td></td><td></td></tr><tr><td>JN</td><td>Junction at 2 o'clock, 100mm dia</td><td>00:04:08</td><td></td><td></td><td></td></tr><tr><td>MHF</td><td>Finish node, manhole, reference: UU MH 6100</td><td>00:05:36</td><td></td><td></td><td></td></tr></table>								MH	Start node, manhole, reference: UU MH 5100	00:00:00				WL	Water level, 0% of the vertical dimension	00:00:13				LL	Line deviates left	00:00:13				JDM	Joint displaced, medium	00:00:15	UU MH 6100X_c2 b53817-6b	1 / 3		JDM	Joint displaced, medium	00:00:19	UU MH 6100X_06f 56600-acb	1 / 3		DER	Settled deposits, coarse, 10% cross-sectional area loss	00:00:52	UU MH 6100X_ce 0da5d5-01	3		DEC	Settled deposits, hard or compacted, 10% cross-sectional area loss	00:00:58	UU MH 6100X_75 dea4a6-2f	3		BJ	Broken pipe at joint from 5 o'clock to 12 o'clock	00:01:05	UU MH 6100X_1f1 a0399-e9c	4		B	Broken pipe from 5 o'clock to 1 o'clock	00:01:12	UU MH 6100X_14 517ef8-5c	4		JN	Junction at 2 o'clock, 150mm dia	00:02:40				JN	Junction at 10 o'clock, 150mm dia	00:02:43				JN	Junction at 2 o'clock, 100mm dia	00:04:08				MHF	Finish node, manhole, reference: UU MH 6100	00:05:36			
MH	Start node, manhole, reference: UU MH 5100	00:00:00																																																																																			
WL	Water level, 0% of the vertical dimension	00:00:13																																																																																			
LL	Line deviates left	00:00:13																																																																																			
JDM	Joint displaced, medium	00:00:15	UU MH 6100X_c2 b53817-6b	1 / 3																																																																																	
JDM	Joint displaced, medium	00:00:19	UU MH 6100X_06f 56600-acb	1 / 3																																																																																	
DER	Settled deposits, coarse, 10% cross-sectional area loss	00:00:52	UU MH 6100X_ce 0da5d5-01	3																																																																																	
DEC	Settled deposits, hard or compacted, 10% cross-sectional area loss	00:00:58	UU MH 6100X_75 dea4a6-2f	3																																																																																	
BJ	Broken pipe at joint from 5 o'clock to 12 o'clock	00:01:05	UU MH 6100X_1f1 a0399-e9c	4																																																																																	
B	Broken pipe from 5 o'clock to 1 o'clock	00:01:12	UU MH 6100X_14 517ef8-5c	4																																																																																	
JN	Junction at 2 o'clock, 150mm dia	00:02:40																																																																																			
JN	Junction at 10 o'clock, 150mm dia	00:02:43																																																																																			
JN	Junction at 2 o'clock, 100mm dia	00:04:08																																																																																			
MHF	Finish node, manhole, reference: UU MH 6100	00:05:36																																																																																			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
4	80.0	2.1	162.0	4.0	4	2.0	0.1	8.0	3.0

Section Pictures - 01/07/2024 - UU MH 6100X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Upstream	UU MH 6100X		



UU MH
 6100X_c2b53817-6b05-4afb-a3ce-e00b3135a098_20240709_161749_557.jpg, 00:00:15, 0.21 m
 Joint displaced, medium



UU MH
 6100X_06f56600-acb1-4600-853b-23f0074acdaa_20240709_161808_803.jpg, 00:00:19, 0.47 m
 Joint displaced, medium



UU MH
 6100X_ce0da5d5-0174-49a1-bf84-31fe08bb20a0_20240709_161858_455.jpg, 00:00:52, 8.73 m
 Settled deposits, coarse, 10% cross-sectional area loss



UU MH
 6100X_75dea4a6-2fd7-41bb-95b7-5ea55af680c4_20240709_161919_149.jpg, 00:00:58, 10.22 m
 Settled deposits, hard or compacted, 10% cross-sectional area loss

Section Pictures - 01/07/2024 - UU MH 6100X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Upstream	UU MH 6100X		



UU MH
 6100X_1f1a0399-e9c0-4ff8-963c-9b5585b60a92_20240709_1
 61947_196.jpg, 00:01:05, 12.06 m
 Broken pipe at joint from 5 o'clock to 12 o'clock



UU MH
 6100X_a692a75b-395e-47d1-98bd-1d2c88121c61_20240709
 _161949_595.jpg, 00:01:05, 12.06 m
 Broken pipe at joint from 5 o'clock to 12 o'clock



UU MH
 6100X_14517ef8-5c0a-41a8-a929-72107e33c6fc_20240709_
 162107_885.jpg, 00:01:12, 13.68 m
 Broken pipe from 5 o'clock to 1 o'clock



UU MH
 6100X_98c78042-5e67-4379-a07d-c180488df7fa_20240709_
 162110_829.jpg, 00:01:12, 13.68 m
 Broken pipe from 5 o'clock to 1 o'clock

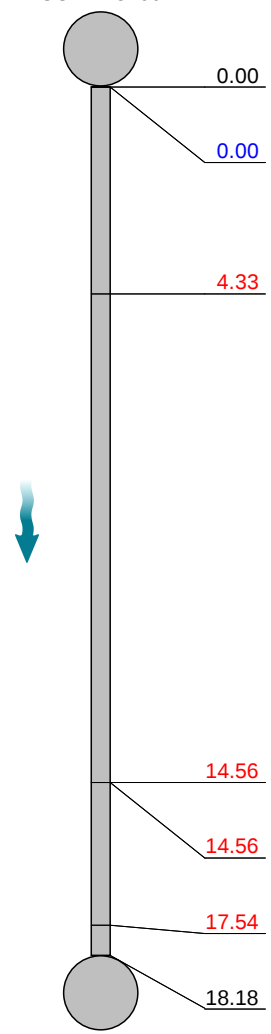
Section Inspection - 01/07/2024 - UU MH 5100X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
5	1	01/07/24	10:21	Not Specified	Not Specified	No	UU MH 5100X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
Not Specified		Not Specified		Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Millom	Inspection Direction:	Downstream	Upstream Node:	UU MH 5100
Road:	Queens Park Drive	Inspected Length:	18.18 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	18.18 m	Downstream Node:	UU MH 5200
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	225 mm		
Flow Control:		Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale: 1:158	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m UU MH 5100						
						
	0.00	MH	Start node, manhole, reference: UU MH 5100	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension	00:00:15		
	4.33	JDM	Joint displaced, medium	00:00:50	UU MH 5100X_da bed396-69	1 / 3
	14.56	CLJ	Crack, longitudinal at joint at 10 o'clock	00:01:30		2 / 2
	14.56	CLJ	Crack, longitudinal at joint at 1 o'clock	00:01:30	UU MH 5100X_aaf 636f2-577	2 / 2
	17.54	JDM	Joint displaced, medium	00:01:41	UU MH 5100X_c7 85e845-9a	1 / 3
	18.18	MHF	Finish node, manhole, reference: UU MH 5200	00:01:47		
UU MH 5200 Depth: m						

Construction Features

Structural Defects

Miscellaneous Features

Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
4	20.0	1.2	22.0	2.0	4	2.0	0.3	6.0	3.0

Section Pictures - 01/07/2024 - UU MH 5100X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
5	Downstream	UU MH 5100X		



UU MH
 5100X_dabed396-6958-49cf-9c10-f389e09b3ef0_20240709_1
 61444_292.jpg, 00:00:50, 4.33 m
 Joint displaced, medium



UU MH
 5100X_aaf636f2-5770-42cd-81d5-3cd541612f48_20240709_1
 61535_640.jpg, 00:01:30, 14.56 m
 Crack, longitudinal at joint at 1 o'clock



UU MH
 5100X_c785e845-9a03-41d0-b460-df0419c3a2c5_20240709_
 161610_181.jpg, 00:01:41, 17.54 m
 Joint displaced, medium

Section Inspection - 01/07/2024 - UU MH 6207X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
6	1	01/07/24	10:39	Not Specified	Not Specified	No	UU MH 6207X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
Not Specified		Not Specified		Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Millom	Inspection Direction:	Downstream	Upstream Node:	UU MH 6207
Road:	Queens Park Drive	Inspected Length:	8.26 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	8.26 m	Downstream Node:	UU MH 5201
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:72	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m UU MH 6207							
		0.00	MH	Start node, manhole, reference: UU MH 6207	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension	00:00:15		
		5.84	WL	Water level, 10% of the vertical dimension	00:00:40		
		7.12	WL	Water level, 20% of the vertical dimension	00:00:44		
		7.63	DEC	Settled deposits, hard or compacted, 25% cross-sectional area loss	00:00:46	UU MH 6207X_06 3d7feb-b4	4
		8.00	CC	Crack, circumferential from 8 o'clock to 4 o'clock	00:00:48		2 / 2
		8.00	FL	Fracture, longitudinal at 12 o'clock	00:00:48	UU MH 6207X_3a 821584-15	3 / 2
		8.26	SA	Survey abandoned: Unable to pass, needs jetting	00:00:54		

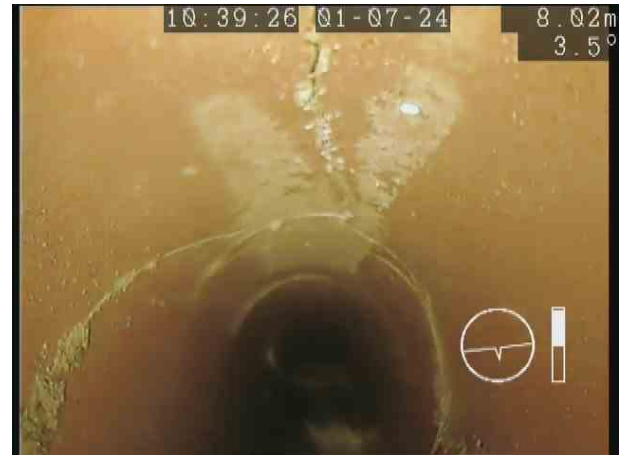
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
2	50.0	6.1	50.0	3.0	3	6.0	0.8	7.0	4.0

Section Pictures - 01/07/2024 - UU MH 6207X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
6	Downstream	UU MH 6207X		



UU MH
 6207X_063d7feb-b4c6-43bc-8059-3273d38f87fd_20240710_130802_697.jpg, 00:00:46, 7.63 m
 Settled deposits, hard or compacted, 25% cross-sectional area loss



UU MH
 6207X_3a821584-1566-4f41-872c-9b977f35cb0d_20240710_130722_547.jpg, 00:00:48, 8.00 m
 Fracture, longitudinal at 12 o'clock

Section Inspection - 02/07/2024 - UU MH 6207X

Item No. 7	Insp. No. 1	Date 02/07/24	Time 10:13	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned No	PLR UU MH 6207X
Operator Not Specified		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Millom	Inspection Direction:	Upstream	Upstream Node:	UU MH 6207
Road:	Queens Park Drive	Inspected Length:	68.25 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	68.25 m	Downstream Node:	UU MH 5201
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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:	Routine inspection	Lining Material:	No Lining		

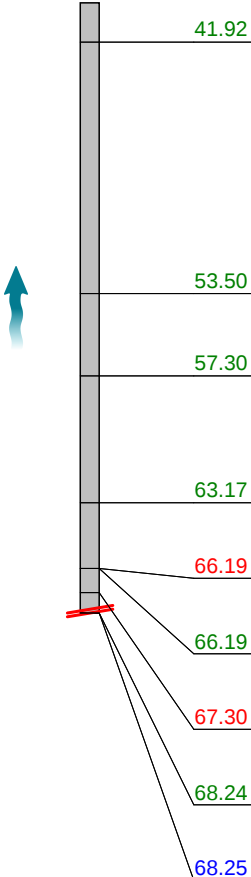
Comments:

Recommendations:

Scale: 1:348	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m UU MH 5201						
0.00		MH	Start node, manhole, reference: UU MH 5201	00:00:00		
0.00		WL	Water level, 0% of the vertical dimension	00:00:17		
0.05		DER	Settled deposits, coarse, 5% cross-sectional area loss	00:00:18	UU MH 6207X_bb 3f1c9c-5d	3
0.30		JDM	Joint displaced, medium	00:00:20	UU MH 6207X_6a c81526-0c	1 / 3
4.60		DER	Settled deposits, coarse, 25% cross-sectional area loss	00:00:41	UU MH 6207X_0c a55fe8-7b	4
17.74		JN	Junction at 11 o'clock, 100mm dia	00:01:33		
27.14		DER	Settled deposits, coarse, 20% cross-sectional area loss	00:02:27	UU MH 6207X_b5 834c25-c6	4
27.65		WL	Water level, 15% of the vertical dimension	00:02:29		
29.03		WL	Water level, 25% of the vertical dimension	00:02:35		
30.00		WL	Water level, 10% of the vertical dimension	00:02:39		
31.44		CC	Crack, circumferential from 10 o'clock to 4 o'clock	00:02:45	UU MH 6207X_27 a63495-2b	2 / 2
32.65		WL	Water level, 0% of the vertical dimension	00:02:51		
33.69		JN	Junction at 11 o'clock, 150mm dia	00:02:56		
34.14		JN	Junction at 2 o'clock, 150mm dia	00:03:49		
38.28		JDM	Joint displaced, medium	00:04:33	UU MH 6207X_50 d6488d-61	1 / 3

Section Inspection - 02/07/2024 - UU MH 6207X

Item No. 7	Insp. No. 1	Date 02/07/24	Time 10:13	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned No	PLR UU MH 6207X
Operator Not Specified		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Scale:	1:348	Position [m]	Code	Observation	MPEG	Photo	Grade		
	41.92	DERJ	Settled deposits, coarse at joint, 10% cross-sectional area loss	00:04:49	UU MH 6207X_57 088977-9e	3			
	53.50	DER	Settled deposits, coarse, 10% cross-sectional area loss	00:05:39	UU MH 6207X_b7 cfd917-8e	3			
	57.30	DER	Settled deposits, coarse, 10% cross-sectional area loss	00:05:55	UU MH 6207X_2b e9c668-7d	3			
	63.17	DER	Settled deposits, coarse, 10% cross-sectional area loss	00:06:20	UU MH 6207X_f92 1eaf1-a96	3			
	66.19	CLJ	Crack, longitudinal at joint at 1 o'clock	00:06:33		2 / 2			
	66.19	DERJ	Settled deposits, coarse at joint, 25% cross-sectional area loss	00:06:33	UU MH 6207X_b3f 5de73-a7a	4			
	67.30	CM	Cracks, multiple from 9 o'clock to 3 o'clock	00:06:37	UU MH 6207X_a5f aa638-d1e	3 / 2			
	68.24	DECJ	Settled deposits, hard or compacted at joint, 20% cross-sectional area loss	00:06:59	UU MH 6207X_84 e34e0f-8c	4			
	68.25	SA	Survey abandoned: Unable to pass	00:07:05					
Construction Features				Miscellaneous Features					
Structural Defects				Service & Operational Observations					
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
5	40.0	0.9	62.0	3.0	14	6.0	0.5	37.0	4.0

Section Pictures - 02/07/2024 - UU MH 6207X

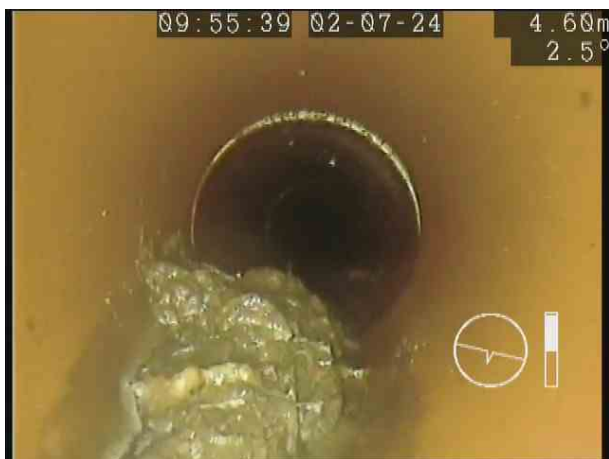
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
7	Upstream	UU MH 6207X		



UU MH
 6207X_bb3f1c9c-5d26-4bc6-9104-c0a514c6bf04_20240710_102232_924.jpg, 00:00:18, 0.05 m
 Settled deposits, coarse, 5% cross-sectional area loss



UU MH
 6207X_6ac81526-0cc3-4058-9d79-e8525e6cf71f_20240710_102242_608.jpg, 00:00:20, 0.30 m
 Joint displaced, medium



UU MH
 6207X_0ca55fe8-7b9b-461f-ba8d-3337b7ac9473_20240710_102324_261.jpg, 00:00:41, 4.60 m
 Settled deposits, coarse, 25% cross-sectional area loss



UU MH
 6207X_b5834c25-c68b-4485-9ecc-4058e51648b0_20240710_102518_980.jpg, 00:02:27, 27.14 m
 Settled deposits, coarse, 20% cross-sectional area loss

Section Pictures - 02/07/2024 - UU MH 6207X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
7	Upstream	UU MH 6207X		



UU MH
 6207X_27a63495-2bd2-4348-95e8-6975caa3cb4f_20240710_102819_692.jpg, 00:02:45, 31.44 m
 Crack, circumferential from 10 o'clock to 4 o'clock



UU MH
 6207X_50d6488d-6145-42a9-90f6-950ad5a2d924_20240710_103033_058.jpg, 00:04:33, 38.28 m
 Joint displaced, medium



UU MH
 6207X_57088977-9eb4-45b4-9e67-b9a661a7ae5f_20240710_103102_897.jpg, 00:04:49, 41.92 m
 Settled deposits, coarse at joint, 10% cross-sectional area loss



UU MH
 6207X_b7cfd917-8e21-465a-ba94-a7a49212c62d_20240710_103154_292.jpg, 00:05:39, 53.50 m
 Settled deposits, coarse, 10% cross-sectional area loss

Section Pictures - 02/07/2024 - UU MH 6207X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
7	Upstream	UU MH 6207X		



UU MH
 6207X_2be9c668-7d39-435e-a14b-870aaf0c4e49_20240710_103223_137.jpg, 00:05:55, 57.30 m
 Settled deposits, coarse, 10% cross-sectional area loss



UU MH
 6207X_f921eaf1-a966-4dae-b781-45c95009adb5_20240710_103554_089.jpg, 00:06:20, 63.17 m
 Settled deposits, coarse, 10% cross-sectional area loss



UU MH
 6207X_b3f5de73-a7ab-4c17-94dd-ee1b554ca530_20240710_103633_998.jpg, 00:06:33, 66.19 m
 Settled deposits, coarse at joint, 25% cross-sectional area loss



UU MH
 6207X_a5faa638-d1eb-480c-9e4c-966253962b1d_20240710_103655_804.jpg, 00:06:37, 67.30 m
 Cracks, multiple from 9 o'clock to 3 o'clock

Section Pictures - 02/07/2024 - UU MH 6207X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
7	Upstream	UU MH 6207X		



UU MH
 6207X_84e34e0f-8c01-41cf-8055-c24d84b8368d_20240710_
 103925_793.jpg, 00:06:59, 68.24 m
 Settled deposits, hard or compacted at joint, 20%
 cross-sectional area loss

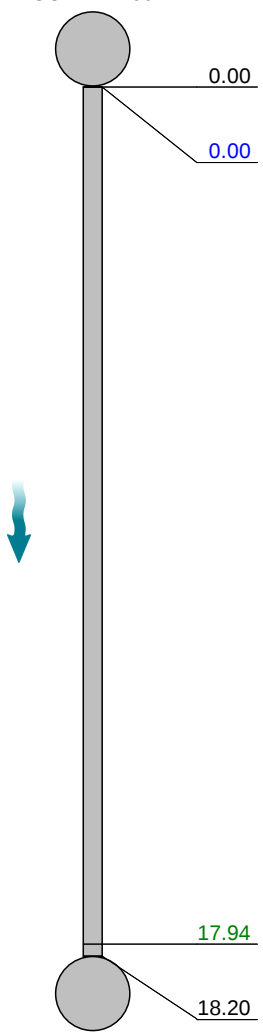
Section Inspection - 02/07/2024 - UU MH 7100X

Item No. 8	Insp. No. 1	Date 02/07/24	Time 10:23	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned No	PLR UU MH 7100X
Operator Not Specified		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Millom	Inspection Direction:	Downstream	Upstream Node:	UU MH 7100
Road:	Queens Park Drive	Inspected Length:	18.20 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	18.20 m	Downstream Node:	UU MH 5201
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale: 1:158	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m UU MH 7100						
						
0.00	MH	Start node, manhole, reference: UU MH 5201	00:00:00			
0.00	WL	Water level, 0% of the vertical dimension	00:00:10			
17.94	DESJ	Settled deposits, fine at joint, 20% cross-sectional area loss	00:01:36			
18.20	MHF	Finish node, manhole, reference: UU MH 7100	00:01:46			
UU MH 5201 Depth: m						

Construction Features

Miscellaneous Features

Structural Defects

Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	5.0	0.3	5.0	4.0

Section Pictures - 02/07/2024 - UU MH 7100X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Downstream	UU MH 7100X		



UU MH

5201X_e92996fc-b409-4ba5-8fa1-3aefeeba53a_20240709_1
 65601_706.jpg, 00:01:36, 17.94 m
 Settled deposits, fine at joint, 20% cross-sectional area loss

Section Inspection - 02/07/2024 - UTPX

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
9	1	02/07/24	13:35	Not Specified	Not Specified	No	UTPX
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
Not Specified		Not Specified		Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Millom	Inspection Direction:	Upstream	Upstream Node:	UTP
Road:	Queens Park Drive	Inspected Length:	4.61 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	4.61 m	Downstream Node:	UU MH 5210
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m UU MH 5210							
		0.00	MH	Start node, manhole, reference: UU MH 5210	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension	00:00:09		
		1.30	CCJ	Crack, circumferential at joint from 2 o'clock to 6 o'clock	00:00:17	UTPX_4f8e55af-1345-4262-96	2 / 2
		2.95	CCJ	Crack, circumferential at joint from 3 o'clock to 6 o'clock	00:00:24	UTPX_49d29612-f96e-424b-bc	2 / 2
		3.78	DEX	Settled deposits, other, 40% cross-sectional area loss: Debris	00:00:27	UTPX_bee d247e-ce6b-4a78-a9	4
		4.61	SA	Survey abandoned: Unable to pass debris, needs jetting	00:00:39		

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
2	10.0	4.3	20.0	2.0	3	5.0	1.5	7.0	4.0

Section Pictures - 02/07/2024 - UTPX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
9	Upstream	UTPX		



UTPX_4f8e55af-1345-4262-9642-64bc344ad2c4_20240710_105337_545.jpg, 00:00:17, 1.30 m
 Crack, circumferential at joint from 2 o'clock to 6 o'clock



UTPX_49d29612-f96e-424b-bc3e-f3279f944a80_20240710_105417_702.jpg, 00:00:24, 2.95 m
 Crack, circumferential at joint from 3 o'clock to 6 o'clock



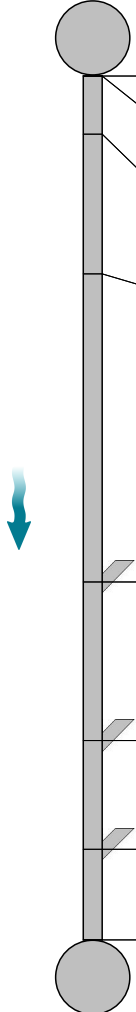
UTPX_beed247e-ce6b-4a78-a922-51fea32361c1_20240710_105441_123.jpg, 00:00:27, 3.78 m
 Settled deposits, other, 40% cross-sectional area loss, Debris

Section Inspection - 02/07/2024 - UU MH 5210X

Item No. 10	Insp. No. 1	Date 02/07/24	Time 13:37	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned No	PLR UU MH 5210X
Operator Not Specified		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Millom	Inspection Direction:	Downstream	Upstream Node:	UU MH 5210
Road:	Queens Park Drive	Inspected Length:	10.30 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	10.30 m	Downstream Node:	UU MH 5211
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:90	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m UU MH 5210						
	0.00	MH	Start node, manhole, reference: UU MH 5210	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension	00:00:08		
	0.70	LL	Line deviates left	00:00:12		
	2.36	CC	Crack, circumferential from 7 o'clock to 10 o'clock	00:00:18	UU MH 5210X_3f1 6972f-491	2 / 2
	6.03	JN	Junction at 10 o'clock, 100mm dia	00:00:32		
	7.92	JN	Junction at 10 o'clock, 100mm dia	00:00:38		
	9.22	JN	Junction at 10 o'clock, 100mm dia	00:00:42		
	10.30	MHF	Finish node, manhole, reference: UU MH 5211	00:00:54		
	UU MH 5211 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	1.0	10.0	2.0	1	1.0	0.1	1.0	2.0

Section Pictures - 02/07/2024 - UU MH 5210X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
10	Downstream	UU MH 5210X		



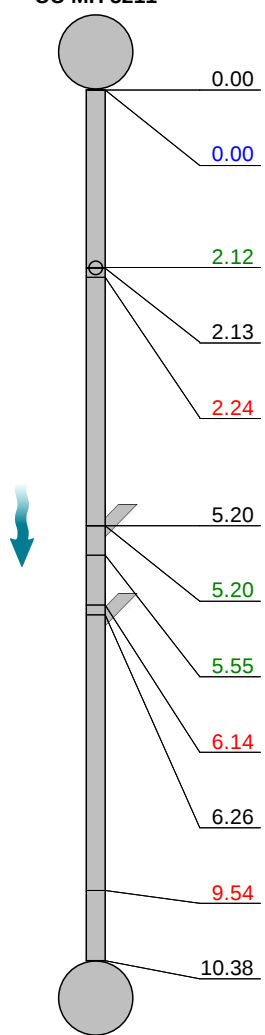
UU MH
5210X_3f16972f-4912-46c5-8064-85a6e59f52ba_20240710_1
05133_216.jpg, 00:00:18, 2.36 m
Crack, circumferential from 7 o'clock to 10 o'clock

Section Inspection - 02/07/2024 - UU MH 5211X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
11	1	02/07/24	13:39	Not Specified	Not Specified	No	UU MH 5211X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
Not Specified		Not Specified		Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Millom	Inspection Direction:	Downstream	Upstream Node:	UU MH 5211
Road:	Queens Park Drive	Inspected Length:	10.38 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	10.38 m	Downstream Node:	UU MH 5212
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:90	Position [m]	Code	Observation	MPEG	Photo	Grade																																																																								
Depth: m UU MH 5211  UU MH 5212 Depth: m <table><tr><td>0.00</td><td>MH</td><td>Start node, manhole, reference: UU MH 5211</td><td>00:00:00</td><td></td><td></td></tr><tr><td>0.00</td><td>WL</td><td>Water level, 0% of the vertical dimension</td><td>00:00:06</td><td></td><td></td></tr><tr><td>2.12</td><td>RM</td><td>Roots, mass, 40% cross-sectional area loss</td><td>00:00:20</td><td>UU MH 5211X_6b 865c67-66</td><td>5</td></tr><tr><td>2.13</td><td>JN</td><td>Junction at 12 o'clock, 100mm dia</td><td>00:00:21</td><td></td><td></td></tr><tr><td>2.24</td><td>CC</td><td>Crack, circumferential from 2 o'clock to 7 o'clock</td><td>00:00:21</td><td>UU MH 5211X_37 e35f33-62</td><td>2 / 2</td></tr><tr><td>5.20</td><td>JN</td><td>Junction at 10 o'clock, 100mm dia</td><td>00:00:30</td><td></td><td></td></tr><tr><td>5.20</td><td>RF</td><td>Roots, fine</td><td>00:00:30</td><td>UU MH 5211X_cd e71070-dc</td><td>2</td></tr><tr><td>5.55</td><td>DEX</td><td>Settled deposits, other, 5% cross-sectional area loss: Wipe</td><td>00:00:32</td><td>UU MH 5211X_3ef 15740-ad7</td><td>3</td></tr><tr><td>6.14</td><td>CMJ</td><td>Cracks, multiple at joint from 7 o'clock to 2 o'clock</td><td>00:00:34</td><td>UU MH 5211X_9e 05bcb6-a4</td><td>3 / 2</td></tr><tr><td>6.26</td><td>JN</td><td>Junction at 10 o'clock, 100mm dia</td><td>00:00:35</td><td></td><td></td></tr><tr><td>9.54</td><td>OJM</td><td>Open joint, medium</td><td>00:00:44</td><td>UU MH 5211X_7b 511660-2d</td><td>1</td></tr><tr><td>10.38</td><td>MHF</td><td>Finish node, manhole, reference: UU MH 5212</td><td>00:00:51</td><td></td><td></td></tr></table>								0.00	MH	Start node, manhole, reference: UU MH 5211	00:00:00			0.00	WL	Water level, 0% of the vertical dimension	00:00:06			2.12	RM	Roots, mass, 40% cross-sectional area loss	00:00:20	UU MH 5211X_6b 865c67-66	5	2.13	JN	Junction at 12 o'clock, 100mm dia	00:00:21			2.24	CC	Crack, circumferential from 2 o'clock to 7 o'clock	00:00:21	UU MH 5211X_37 e35f33-62	2 / 2	5.20	JN	Junction at 10 o'clock, 100mm dia	00:00:30			5.20	RF	Roots, fine	00:00:30	UU MH 5211X_cd e71070-dc	2	5.55	DEX	Settled deposits, other, 5% cross-sectional area loss: Wipe	00:00:32	UU MH 5211X_3ef 15740-ad7	3	6.14	CMJ	Cracks, multiple at joint from 7 o'clock to 2 o'clock	00:00:34	UU MH 5211X_9e 05bcb6-a4	3 / 2	6.26	JN	Junction at 10 o'clock, 100mm dia	00:00:35			9.54	OJM	Open joint, medium	00:00:44	UU MH 5211X_7b 511660-2d	1	10.38	MHF	Finish node, manhole, reference: UU MH 5212	00:00:51		
0.00	MH	Start node, manhole, reference: UU MH 5211	00:00:00																																																																												
0.00	WL	Water level, 0% of the vertical dimension	00:00:06																																																																												
2.12	RM	Roots, mass, 40% cross-sectional area loss	00:00:20	UU MH 5211X_6b 865c67-66	5																																																																										
2.13	JN	Junction at 12 o'clock, 100mm dia	00:00:21																																																																												
2.24	CC	Crack, circumferential from 2 o'clock to 7 o'clock	00:00:21	UU MH 5211X_37 e35f33-62	2 / 2																																																																										
5.20	JN	Junction at 10 o'clock, 100mm dia	00:00:30																																																																												
5.20	RF	Roots, fine	00:00:30	UU MH 5211X_cd e71070-dc	2																																																																										
5.55	DEX	Settled deposits, other, 5% cross-sectional area loss: Wipe	00:00:32	UU MH 5211X_3ef 15740-ad7	3																																																																										
6.14	CMJ	Cracks, multiple at joint from 7 o'clock to 2 o'clock	00:00:34	UU MH 5211X_9e 05bcb6-a4	3 / 2																																																																										
6.26	JN	Junction at 10 o'clock, 100mm dia	00:00:35																																																																												
9.54	OJM	Open joint, medium	00:00:44	UU MH 5211X_7b 511660-2d	1																																																																										
10.38	MHF	Finish node, manhole, reference: UU MH 5212	00:00:51																																																																												

Construction Features

Miscellaneous Features

Structural Defects

Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
3	40.0	4.9	51.0	3.0	5	10.0	1.4	15.0	5.0

Section Pictures - 02/07/2024 - UU MH 5211X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
11	Downstream	UU MH 5211X		



UU MH
 5211X_6b865c67-66ec-4510-aacd-cbd0aedc6223_20240710_105654_642.jpg, 00:00:20, 2.12 m
 Roots, mass, 40% cross-sectional area loss



UU MH
 5211X_37e35f33-624f-4214-946f-d6d48fcd2c6a_20240710_105726_327.jpg, 00:00:21, 2.24 m
 Crack, circumferential from 2 o'clock to 7 o'clock



UU MH
 5211X_cde71070-dc8f-49d5-b3b3-1298bfbe0920_20240710_105757_292.jpg, 00:00:30, 5.20 m
 Roots, fine



UU MH
 5211X_3ef15740-ad7b-4ea4-bd8b-1a8d4dc86e17_20240710_111813_767.jpg, 00:00:32, 5.55 m
 Settled deposits, other, 5% cross-sectional area loss, Wipe

Section Pictures - 02/07/2024 - UU MH 5211X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
11	Downstream	UU MH 5211X		



UU MH
 5211X_9e05bcb6-a4fe-41b7-afef-8320a649b797_20240710_1
 11844_421.jpg, 00:00:34, 6.14 m
 Cracks, multiple at joint from 7 o'clock to 2 o'clock



UU MH
 5211X_7b511660-2d8d-4962-9f5b-bf9645c94f94_20240710_1
 12129_465.jpg, 00:00:44, 9.54 m
 Open joint, medium

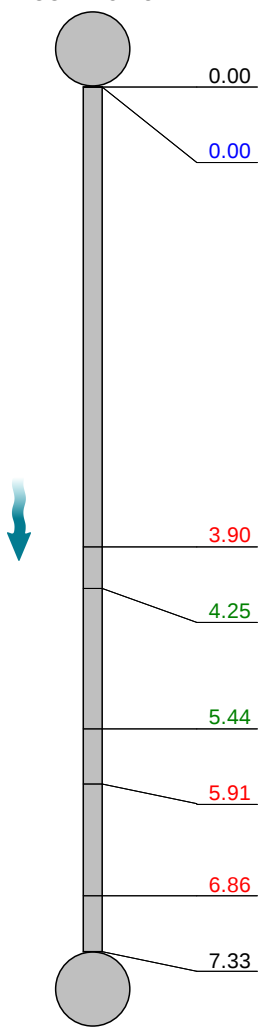
Section Inspection - 02/07/2024 - UU MH 5213X

Item No. 12	Insp. No. 1	Date 02/07/24	Time 13:55	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned No	PLR UU MH 5213X
Operator Not Specified		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Millom	Inspection Direction:	Downstream	Upstream Node:	UU MH 5213
Road:	Queens Park Drive	Inspected Length:	7.33 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	7.33 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:64	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m UU MH 5213							
		0.00	MH	Start node, manhole, reference: UU MH 5213	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension	00:00:08		
		3.90	OJM	Open joint, medium	00:00:29	UU MH 5213X_64 931727-b7	1
		4.25	LR	Line deviates right	00:00:31		
		5.44	LD	Line deviates down	00:00:38		
		5.91	OJM	Open joint, medium	00:00:40	UU MH 5213X_22 8e18da-f2	1
		6.86	JDL	Joint displaced, large	00:00:44	UU MH 5213X_58 70cb10-39	1 / 4
		7.33	OCF	Finish node, other special chamber, reference: Main	00:00:55		
		Main Depth: m					

Construction Features

Structural Defects

Miscellaneous Features

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	2.0	0.5	4.0	1.0	1	5.0	0.7	5.0	4.0

Section Pictures - 02/07/2024 - UU MH 5213X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
12	Downstream	UU MH 5213X		



UU MH
 5213X_64931727-b749-4265-b018-498b5aff5b9e_20240710_113559_729.jpg, 00:00:29, 3.90 m
 Open joint, medium



UU MH
 5213X_228e18da-f298-4bd3-8efa-29967bba6145_20240710_113639_796.jpg, 00:00:40, 5.91 m
 Open joint, medium



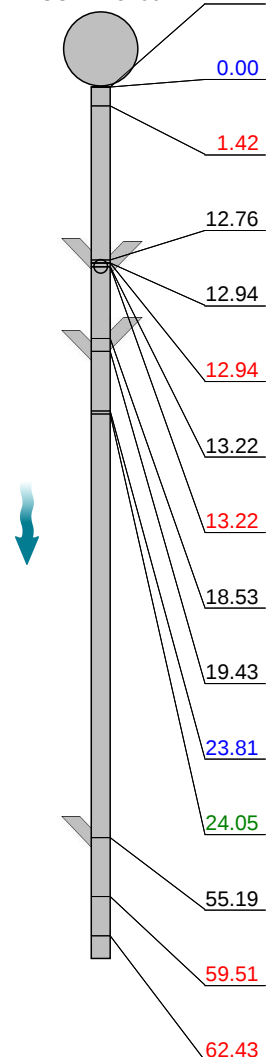
UU MH
 5213X_5870cb10-39e8-4fdb-86cd-f072cebb836a_20240710_113657_427.jpg, 00:00:44, 6.86 m
 Joint displaced, large

Section Inspection - 02/07/2024 - UU MH 5200X

Item No. 13	Insp. No. 1	Date 02/07/24	Time 10:59	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned No	PLR UU MH 5200X
Operator Not Specified		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

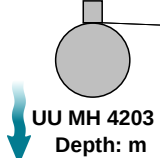
Town or Village:	Millom	Inspection Direction:	Downstream	Upstream Node:	UU MH 5200
Road:	Queens Park Drive	Inspected Length:	65.71 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	65.71 m	Downstream Node:	UU MH 4203
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	225 mm		
Flow Control:		Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:555	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m UU MH 5200 						
	0.00	MH	Start node, manhole, reference: UU MH 5200	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension	00:00:10		
	1.42	CLJ	Crack, longitudinal at joint at 3 o'clock	00:00:24	UU MH 5200X_12 29c7db-bf	2 / 2
	12.76	JN	Junction at 1 o'clock, 100mm dia	00:01:09		
	12.94	CX	Connection defective at 10 o'clock, 225mm dia	00:01:10		
	12.94	H	Hole in drain or sewer from 11 o'clock to 12 o'clock	00:01:10	UU MH 5200X_6ef c9d5e-2a4	4
	13.22	CN	Connection other than junction at 12 o'clock, 225mm dia	00:01:11		
	13.22	H	Hole in drain or sewer from 12 o'clock to 1 o'clock	00:01:11	UU MH 5200X_de 6db484-6e	4
	18.53	JN	Junction at 10 o'clock, 150mm dia	00:01:32		
	19.43	JN	Junction at 1 o'clock, 150mm dia	00:01:35		
	23.81	WL	Water level, 15% of the vertical dimension	00:01:52		
	24.05	DEXJ	Settled deposits, other at joint, 20% cross-sectional area loss: Build of silt/ tissues	00:01:54	UU MH 5200X_6f4 34d05-9c1	4
	55.19	JN	Junction at 2 o'clock, 100mm dia	00:03:59		
	59.51	CCJ	Crack, circumferential at joint from 11 o'clock to 4 o'clock	00:04:18	UU MH 5200X_96 9b0da7-90	2 / 2
	62.43	JDM	Joint displaced, medium	00:04:30	UU MH 5200X_4d 6e345a-ce	1 / 3

Section Inspection - 02/07/2024 - UU MH 5200X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
13	1	02/07/24	10:59	Not Specified	Not Specified	No	UU MH 5200X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
Not Specified		Not Specified		Not Specified	Not Specified	Not Specified	Not Specified

Scale:	1:555	Position [m]	Code	Observation	MPEG	Photo	Grade
		65.71	MHF	Finish node, manhole, reference: UU MH 4203	00:04:47		
							

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	2.8	181.0	4.0	4	5.0	0.1	9.0	4.0

Section Pictures - 02/07/2024 - UU MH 5200X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
13	Downstream	UU MH 5200X		



UU MH
 5200X_1229c7db-bf6d-4902-bab0-a17b022407d6_20240709_162809_308.jpg, 00:00:24, 1.42 m
 Crack, longitudinal at joint at 3 o'clock



UU MH
 5200X_6efc9d5e-2a46-4cac-9093-989770bcc7cf_20240709_164319_582.jpg, 00:01:10, 12.94 m
 Hole in drain or sewer from 11 o'clock to 12 o'clock



UU MH
 5200X_de6db484-6ea8-407a-97d5-1480165ec123_20240709_164347_141.jpg, 00:01:11, 13.22 m
 Hole in drain or sewer from 12 o'clock to 1 o'clock



UU MH
 5200X_6f434d05-9c17-40f0-8d80-bfeef4df2417_20240709_164854_279.jpg, 00:01:54, 24.05 m
 Settled deposits, other at joint, 20% cross-sectional area loss,
 Build of silt/ tissues

Section Pictures - 02/07/2024 - UU MH 5200X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
13	Downstream	UU MH 5200X		



UU MH
 5200X_969b0da7-9035-4c91-a55d-c4febf79c8eb_20240709_165040_872.jpg, 00:04:18, 59.51 m
 Crack, circumferential at joint from 11 o'clock to 4 o'clock



UU MH
 5200X_4d6e345a-ce44-4e67-bf9e-cc2b71976528_20240709_165056_494.jpg, 00:04:30, 62.43 m
 Joint displaced, medium

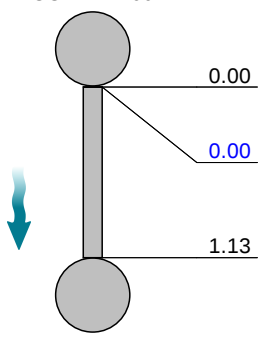
Section Inspection - 01/07/2024 - UU MH 4200X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
14	1	01/07/24	12:05	Not Specified	Not Specified	No	UU MH 4200X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
Not Specified		Not Specified		Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Millom	Inspection Direction:	Downstream	Upstream Node:	UU MH 4200
Road:	Queens Park Drive	Inspected Length:	1.13 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	1.13 m	Downstream Node:	UU MH 4203
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	375 mm		
Flow Control:		Material:	Concrete		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m UU MH 4200  UU MH 4203 Depth: m							
		0.00	MH	Start node, manhole, reference: UU MH 4200	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension	00:00:15		
		1.13	MHF	Finish node, manhole, reference: UU MH 4203	00:00:31		

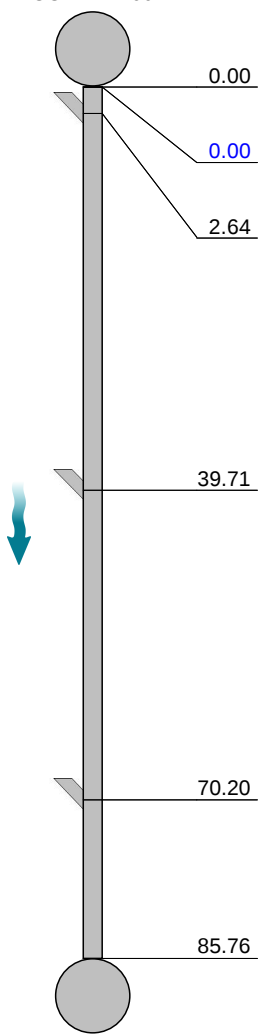
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 01/07/2024 - UU MH 4200X

Item No. 15	Insp. No. 1	Date 01/07/24	Time 11:47	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned No	PLR UU MH 4200X
Operator Not Specified		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Millom	Inspection Direction:	Downstream	Upstream Node:	UU MH 4200
Road:	Queens Park Drive	Inspected Length:	85.76 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	85.76 m	Downstream Node:	UU MH 4107
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	600 mm		
Flow Control:		Material:	Concrete		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:743	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m UU MH 4200						
	0.00	MH	Start node, manhole, reference: UU MH 4200	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:09		
	2.64	CN	Connection other than junction at 1 o'clock, 150mm dia	00:00:25	UU MH 4200X_b3 b71925-36	
	39.71	CN	Connection other than junction at 3 o'clock, 450mm dia	00:02:38	UU MH 4200X_35 40daf9-82	
	70.20	CN	Connection other than junction at 2 o'clock, 375mm dia	00:04:28	UU MH 4200X_8e 400569-45	
	85.76	MHF	Finish node, manhole, reference: UU MH 4107	00:05:30		
UU MH 4107 Depth: m						

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

Section Pictures - 01/07/2024 - UU MH 4200X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
15	Downstream	UU MH 4200X		



UU MH
 4200X_b3b71925-36fc-4632-8215-aaa0aa7d2fc7_20240709_151857_279.jpg, 00:00:25, 2.64 m
 Connection other than junction at 1 o'clock, 150mm dia



UU MH
 4200X_3540daf9-82a2-40d2-940f-2395e0dfdf0f_20240709_152007_796.jpg, 00:02:38, 39.71 m
 Connection other than junction at 3 o'clock, 450mm dia



UU MH
 4200X_8e400569-45f9-4cf2-a3c7-bf77e5e22eec_20240709_152144_127.jpg, 00:04:28, 70.20 m
 Connection other than junction at 2 o'clock, 375mm dia

Section Inspection - 02/07/2024 - UU MH 4115X

Item No. 16	Insp. No. 1	Date 02/07/24	Time 13:21	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned No	PLR UU MH 4115X
Operator Not Specified		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Millom	Inspection Direction:	Downstream	Upstream Node:	UU MH 4115
Road:	Queens Park Drive	Inspected Length:	7.92 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	7.92 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:69	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m UU MH 4115							

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
2	2.0	0.4	3.0	1.0	1	5.0	0.6	5.0	4.0

Section Pictures - 02/07/2024 - UU MH 4115X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
16	Downstream	UU MH 4115X		



UU MH
4115X_21c7e9cd-9f85-408f-919a-1b3d42e95a3f_20240709_1
50532_358.jpg, 00:00:28, 4.73 m
Open joint, medium



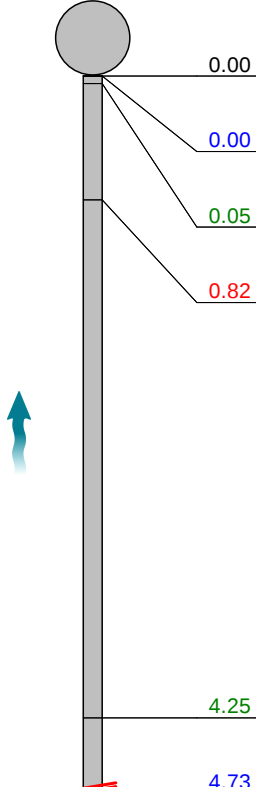
UU MH
4115X_fe222fd2-3392-42d1-b9a6-f58d2eb831c8_20240709_1
50559_290.jpg, 00:00:37, 7.21 m
Joint displaced, large

Section Inspection - 02/07/2024 - UU MH 6104X

Item No. 17	Insp. No. 1	Date 02/07/24	Time 14:14	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned No	PLR UU MH 6104X
Operator Not Specified		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Millom	Inspection Direction:	Upstream	Upstream Node:	UU MH 6104
Road:	Queens Park Drive	Inspected Length:	4.73 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	4.73 m	Downstream Node:	UU MH 6105
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m UU MH 6105							
		0.00	MH	Start node, manhole, reference: UU MH 6105	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension	00:00:08		
		0.05	RFJ	Roots, fine at joint	00:00:10	UU MH 6104X_e5 7cd18b-47	2
		0.82	CCJ	Crack, circumferential at joint from 3 o'clock to 6 o'clock	00:00:15	UU MH 6104X_76 0edf22-03	2 / 2
		4.25	DEX	Settled deposits, other, 15% cross-sectional area loss: Debris	00:00:36	UU MH 6104X_8f3 93437-a3a	3
		4.73	SA	Survey abandoned: Unable to pass, needs jetting	00:00:42		

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	2.1	10.0	2.0	3	2.0	0.8	4.0	3.0

Section Pictures - 02/07/2024 - UU MH 6104X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
17	Upstream	UU MH 6104X		



UU MH
 6104X_e57cd18b-47aa-4901-9340-26b7bb8bac69_20240710_120853_392.jpg, 00:00:10, 0.05 m
 Roots, fine at joint



UU MH
 6104X_760edf22-034b-4db0-be04-d189a115e6e9_20240710_120912_063.jpg, 00:00:15, 0.82 m
 Crack, circumferential at joint from 3 o'clock to 6 o'clock



UU MH
 6104X_8f393437-a3a7-421d-8605-f4f3c697f217_20240710_120952_541.jpg, 00:00:36, 4.25 m
 Settled deposits, other, 15% cross-sectional area loss, Debris

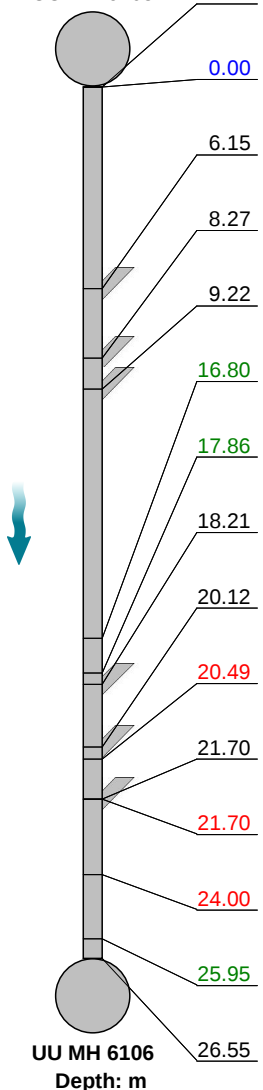
Section Inspection - 02/07/2024 - UU MH 6105X

Item No. 18	Insp. No. 1	Date 02/07/24	Time 14:19	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned No	PLR UU MH 6105X
Operator Not Specified		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Millom	Inspection Direction:	Downstream	Upstream Node:	UU MH 6105
Road:	Queens Park Drive	Inspected Length:	26.55 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	26.55 m	Downstream Node:	UU MH 6106
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale: 1:230	Position [m]	Code	Observation	MPEG	Photo	Grade
	0.00	MH	Start node, manhole, reference: UU MH 6105	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension	00:00:06		
	6.15	CXP	Connection defective, position incorrect at 10 o'clock, 100mm dia	00:00:35	UU MH 6105X_4d1f5dd7-85	
	8.27	JN	Junction at 10 o'clock, 100mm dia	00:00:43		
	9.22	JN	Junction at 10 o'clock, 100mm dia	00:00:47		
	16.80	RM	Roots, mass, 10% cross-sectional area loss	00:01:22	UU MH 6105X_2910cbd9-8a	3
	17.86	DER	Settled deposits, coarse, 10% cross-sectional area loss	00:01:26	UU MH 6105X_5a17e7c7-ee	3
	18.21	JN	Junction at 10 o'clock, 100mm dia	00:01:27		
	20.12	JN	Junction at 10 o'clock, 100mm dia	00:01:33		
	20.49	JDM	Joint displaced, medium	00:01:35	UU MH 6105X_af3257f3-f8b8	1 / 3
	21.70	CXP	Connection defective, position incorrect at 11 o'clock, 100mm dia	00:01:39		
	21.70	H	Hole in drain or sewer from 10 o'clock to 11 o'clock	00:01:39	UU MH 6105X_f235f7a2-17e	4
	24.00	JDM	Joint displaced, medium	00:01:50	UU MH 6105X_af66cf54-510	1 / 3
	25.95	DEX	Settled deposits, other, 20% cross-sectional area loss: Foul waste	00:01:58	UU MH 6105X_73e42c3a-37	4
	26.55	MHF	Finish node, manhole, reference: UU MH 6106	00:02:10		

Construction Features

Structural Defects

Miscellaneous Features

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	80.0	3.1	82.0	4.0	5	5.0	0.6	15.0	4.0

Section Pictures - 02/07/2024 - UU MH 6105X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
18	Downstream	UU MH 6105X		



UU MH
 6105X_4d1f5dd7-8515-40d9-8cd8-5f252977e062_20240710_120258_758.jpg, 00:00:35, 6.15 m
 Connection defective, position incorrect at 10 o'clock, 100mm dia



UU MH
 6105X_2910cbd9-8aaf-44f8-8c9c-7335619211cf_20240710_120500_273.jpg, 00:01:22, 16.80 m
 Roots, mass, 10% cross-sectional area loss



UU MH
 6105X_5a17e7c7-ee1c-44d1-ba17-b30ec715055a_20240710_120514_998.jpg, 00:01:26, 17.86 m
 Settled deposits, coarse, 10% cross-sectional area loss



UU MH
 6105X_af3257f3-f8b8-428f-b884-add7e31acfee_20240710_120621_025.jpg, 00:01:35, 20.49 m
 Joint displaced, medium

Section Pictures - 02/07/2024 - UU MH 6105X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
18	Downstream	UU MH 6105X		



UU MH
 6105X_f235f7a2-17e9-461d-b9db-a8749b1bfd16_20240710_120715_846.jpg, 00:01:39, 21.70 m
 Hole in drain or sewer from 10 o'clock to 11 o'clock



UU MH
 6105X_af66cf54-5101-4743-a9e5-3f663224a474_20240710_120736_173.jpg, 00:01:50, 24.00 m
 Joint displaced, medium



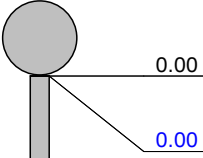
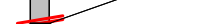
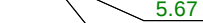
UU MH
 6105X_73e42c3a-37ce-435b-846a-90e6df6e0417_20240710_120829_194.jpg, 00:01:58, 25.95 m
 Settled deposits, other, 20% cross-sectional area loss, Foul waste

Section Inspection - 02/07/2024 - UU MH 6106X

Item No. 19	Insp. No. 1	Date 02/07/24	Time 14:35	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned No	PLR UU MH 6106X
Operator Not Specified		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Millom	Inspection Direction:	Upstream	Upstream Node:	UU MH 6106
Road:	Queens Park Drive	Inspected Length:	5.67 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	5.67 m	Downstream Node:	UU MH 6107
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m UU MH 6107							
		0.00	MH	Start node, manhole, reference: UU MH 6107	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension	00:00:09		
		1.90	JDM	Joint displaced, medium	00:00:21	UU MH 6106X_1fe cc75b-945	1 / 3
		3.90	JDM	Joint displaced, medium	00:00:31	UU MH 6106X_d6 ad702c-0b	1 / 3
		5.67	BJ	Broken pipe at joint from 12 o'clock to 4 o'clock	00:00:43	UU MH 6106X_57 b8d791-92	4
		5.67	DEC	Settled deposits, hard or compacted, 25% cross-sectional area loss	00:00:43		4
		5.67	SA	Survey abandoned: Unable to pass, needs jetting	00:00:43		

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	80.0	14.5	82.0	4.0	3	5.0	1.6	9.0	4.0

Section Pictures - 02/07/2024 - UU MH 6106X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
19	Upstream	UU MH 6106X		



UU MH
 6106X_1fecc75b-9457-45b5-87be-956a8c22c349_20240710_121652_147.jpg, 00:00:21, 1.90 m
 Joint displaced, medium



UU MH
 6106X_d6ad702c-0bcb-4aa7-8963-6140e1f2550a_20240710_121719_714.jpg, 00:00:31, 3.90 m
 Joint displaced, medium



UU MH
 6106X_57b8d791-92cf-455c-ada4-c0295a4073fb_20240710_121757_623.jpg, 00:00:43, 5.67 m
 Broken pipe at joint from 12 o'clock to 4 o'clock

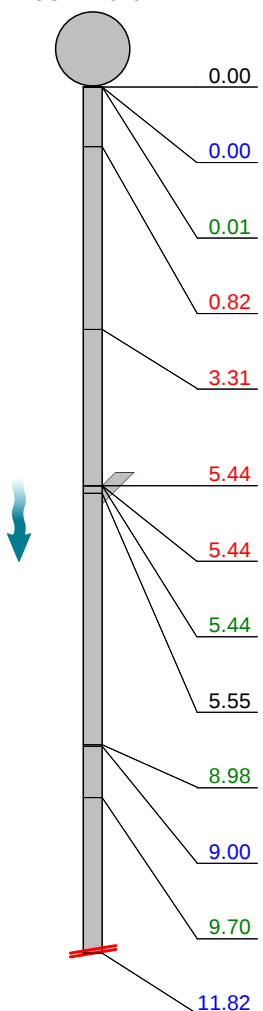
Section Inspection - 02/07/2024 - UU MH 6107X

Item No. 20	Insp. No. 1	Date 02/07/24	Time 14:38	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned No	PLR UU MH 6107X
Operator Not Specified		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Millom	Inspection Direction:	Downstream	Upstream Node:	UU MH 6107
Road:	Queens Park Drive	Inspected Length:	11.82 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	11.82 m	Downstream Node:	UTP
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale: 1:103	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m UU MH 6107						
						
	0.00	MH	Start node, manhole, reference: UU MH 6107	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension	00:00:10		
	0.01	RT	Roots, tap	00:00:10	UU MH 6107X_fd70e5fa-89cf	4
	0.82	JDM	Joint displaced, medium	00:00:18	UU MH 6107X_019db6a9-27	1 / 3
	3.31	JDM	Joint displaced, medium	00:00:30	UU MH 6107X_a3c12a4f-2a	1 / 3
	5.44	CCJ	Crack, circumferential at joint from 10 o'clock to 2 o'clock	00:00:39		2 / 2
	5.44	JDM	Joint displaced, medium	00:00:39	UU MH 6107X_43ef54ee-64	1 / 3
	5.44	RFJ	Roots, fine at joint	00:00:39		2
	5.55	JN	Junction at 10 o'clock, 100mm dia	00:00:40		
	8.98	DEX	Settled deposits, other, 20% cross-sectional area loss: Debris, being pushed down line by camera	00:00:50	UU MH 6107X_e9d9c869-a0	4
	9.00	CUZ	Loss of vision, other: Debris	00:01:00		
	9.70	RFJ	Roots, fine at joint	00:01:09	UU MH 6107X_83a80ebc-aa	2
	11.82	SA	Survey abandoned: Unable to pass debris, needs jetting	00:01:38		

Construction Features

Structural Defects

Miscellaneous Features

Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
4	11.0	1.1	13.0	2.0	8	5.0	1.6	19.0	4.0

Section Pictures - 02/07/2024 - UU MH 6107X

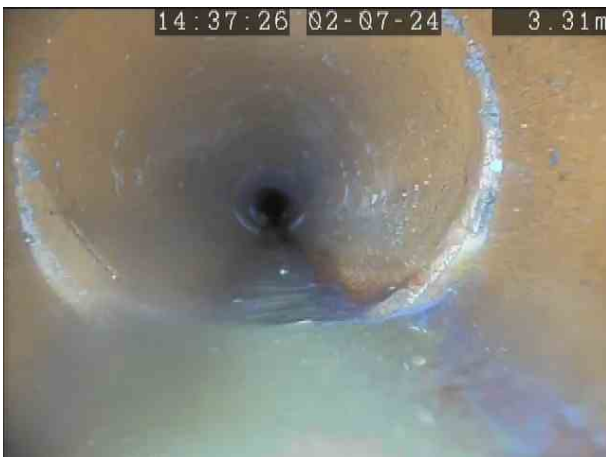
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
20	Downstream	UU MH 6107X		



UU MH
 6107X_fd70e5fa-89cf-406f-92d8-bbf87f1bf373_20240710_12128_447.jpg, 00:00:10, 0.01 m
 Roots, tap



UU MH
 6107X_019db6a9-27da-4002-916a-c08b45844871_20240710_121142_782.jpg, 00:00:18, 0.82 m
 Joint displaced, medium



UU MH
 6107X_a3c12a4f-2a9f-4a6a-8ec4-60f7d860ce35_20240710_121218_676.jpg, 00:00:30, 3.31 m
 Joint displaced, medium



UU MH
 6107X_43ef54ee-6462-4dd3-9629-f2ae5a6e2ad0_20240710_121301_321.jpg, 00:00:39, 5.44 m
 Joint displaced, medium

Section Pictures - 02/07/2024 - UU MH 6107X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
20	Downstream	UU MH 6107X		



UU MH
 6107X_e9d9c869-a0fd-4339-8594-b4829b612499_20240710_121508_481.jpg, 00:00:50, 8.98 m
 Settled deposits, other, 20% cross-sectional area loss, Debris, being pushed down line by camera



UU MH
 6107X_83a80ebc-aa1a-4e04-a946-016255bec334_20240710_121539_392.jpg, 00:01:09, 9.70 m
 Roots, fine at joint

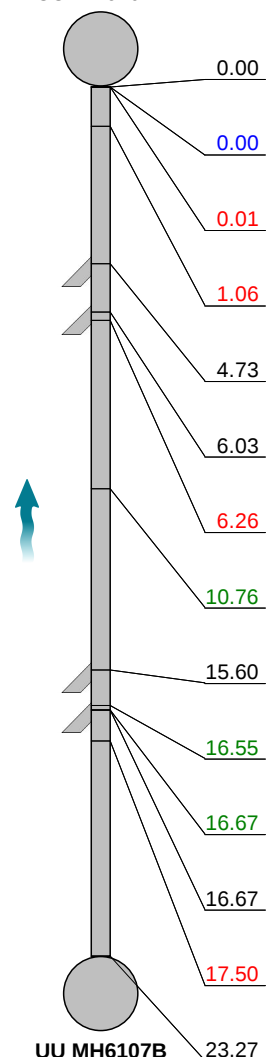
Section Inspection - 02/07/2024 - UU MH6107BX

Item No. 21	Insp. No. 1	Date 02/07/24	Time 15:06	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned No	PLR UU MH6107BX
Operator Not Specified		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Millom	Inspection Direction:	Upstream	Upstream Node:	UU MH6107B
Road:	Queens Park Drive	Inspected Length:	23.27 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	23.27 m	Downstream Node:	UU MH6107A
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale: 1:202	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m UU MH6107A						
						
	0.00	MH	Start node, manhole, reference: UU MH6107A	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension	00:00:11		
	0.01	B	Broken pipe from 7 o'clock to 4 o'clock	00:00:11	UU MH6107B X_8185fbb	4
	1.06	CCJ	Crack, circumferential at joint from 4 o'clock to 7 o'clock	00:00:20	UU MH6107B X_1c4efc2	2 / 2
	4.73	JN	Junction at 2 o'clock, 100mm dia	00:00:35		
	6.03	JN	Junction at 2 o'clock, 100mm dia	00:00:40		
	6.26	CCJ	Crack, circumferential at joint from 11 o'clock to 2 o'clock	00:00:42	UU MH6107B X_975968	2 / 2
	10.76	RFJ	Roots, fine at joint	00:01:02	UU MH6107B X_e794da	2
	15.60	JN	Junction at 2 o'clock, 100mm dia	00:01:25		
	16.55	RFJ	Roots, fine at joint	00:01:30	UU MH6107B X_f76e7b2	2
	16.67	DEX	Settled deposits, other, 10% cross-sectional area loss: Foul waste	00:01:32	UU MH6107B X_f56d612	3
	16.67	JN	Junction at 2 o'clock, 100mm dia	00:01:32		
	17.50	FCJ	Fracture, circumferential at joint from 12 o'clock to 12 o'clock	00:01:35	UU MH6107B X_5c0520	3 / 2
	23.27	MHF	Finish node, manhole, reference: UU MH 6107B Buried	00:02:06		
UU MH6107B Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
4	80.0	6.0	140.0	4.0	6	2.0	0.3	7.0	3.0

Section Pictures - 02/07/2024 - UU MH6107BX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
21	Upstream	UU MH6107BX		



UU
 MH6107BX_8185fbb7-5422-4a1c-a5e6-f5a7c50f3fd5_202407
 10_125314_203.jpg, 00:00:11, 0.01 m
 Broken pipe from 7 o'clock to 4 o'clock



UU
 MH6107BX_f90ce274-0e12-4431-be83-153d4d29fdcc_20240
 710_125427_483.jpg, 00:00:11, 0.01 m
 Broken pipe from 7 o'clock to 4 o'clock



UU
 MH6107BX_1c4efc2b-4ab0-48ae-9780-c502045f9894_20240
 710_125511_877.jpg, 00:00:20, 1.06 m
 Crack, circumferential at joint from 4 o'clock to 7 o'clock



UU
 MH6107BX_9759681b-13e9-42b2-b4ec-09378cc404ba_2024
 0710_125837_465.jpg, 00:00:42, 6.26 m
 Crack, circumferential at joint from 11 o'clock to 2 o'clock

Section Pictures - 02/07/2024 - UU MH6107BX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
21	Upstream	UU MH6107BX		



UU
 MH6107BX_e794da5a-2766-412c-8f4f-52b6a3a5d004_20240
 710_125946_733.jpg, 00:01:02, 10.76 m
 Roots, fine at joint



UU
 MH6107BX_f76e7b26-0422-4fc0-9573-3ca1455930bc_20240
 710_130046_218.jpg, 00:01:30, 16.55 m
 Roots, fine at joint



UU
 MH6107BX_f56d6128-7288-4543-869d-5a95a737b1ef_20240
 710_130128_747.jpg, 00:01:32, 16.67 m
 Settled deposits, other, 10% cross-sectional area loss, Foul
 waste



UU
 MH6107BX_5c05207c-31cc-4b04-85c6-74e607bf22b7_20240
 710_130154_126.jpg, 00:01:35, 17.50 m
 Fracture, circumferential at joint from 12 o'clock to 12 o'clock

Section Pictures - 02/07/2024 - UU MH6107BX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
21	Upstream	UU MH6107BX		



UU

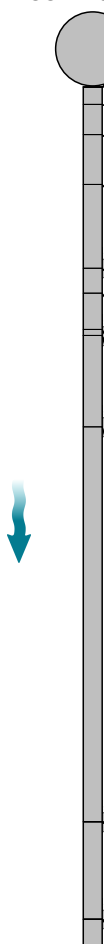
MH6107BX_3a0beda3-c1a8-496b-b11d-4520b258f644_20240710_130157_022.jpg, 00:01:35, 17.50 m
 Fracture, circumferential at joint from 12 o'clock to 12 o'clock

Section Inspection - 02/07/2024 - UU MH6107AX

Item No. 22	Insp. No. 1	Date 02/07/24	Time 15:09	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned No	PLR UU MH6107AX
Operator Not Specified		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

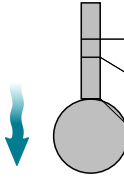
Town or Village:	Millom	Inspection Direction:	Downstream	Upstream Node:	UU MH6107A
Road:	Queens Park Drive	Inspected Length:	18.78 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	18.78 m	Downstream Node:	UU MH6107C
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:147	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m UU MH6107A						
	0.00	MH	Start node, manhole, reference: UU MH6107A	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension	00:00:15		
	0.35	CC	Crack, circumferential from 8 o'clock to 5 o'clock	00:00:18	UU MH6107A X_60deee	2 / 2
	0.94	FMJ	Fractures, multiple at joint from 8 o'clock to 5 o'clock	00:00:19	UU MH6107A X_4a8c77	4 / 2
	1.90	CCJ	Crack, circumferential at joint from 8 o'clock to 4 o'clock	00:00:27	UU MH6107A X_050904	2 / 2
	3.54	JN	Junction at 9 o'clock, 100mm dia	00:00:35		
	4.02	CCJ	Crack, circumferential at joint from 8 o'clock to 5 o'clock	00:00:36	UU MH6107A X_eebef5a	2 / 2
	4.73	CC	Crack, circumferential from 2 o'clock to 5 o'clock	00:00:40	UU MH6107A X_775fc9b	2 / 2
	4.84	RF	Roots, fine	00:00:41	UU MH6107A X_fdf360c	2
	4.84	JN	Junction at 10 o'clock, 100mm dia	00:00:41		
	6.62	JN	Junction at 10 o'clock, 100mm dia	00:00:51		
	14.31	JN	Junction at 10 o'clock, 100mm dia	00:01:29		
	14.31	RF	Roots, fine	00:01:29	UU MH6107A X_70430c	2
	16.20	JX	Junction, defective at 10 o'clock, 100mm dia: Roots	00:01:39		
	16.20	RM	Roots, mass, 10% cross-sectional area loss	00:01:39	UU MH6107A X_6ede8f1	3

Section Inspection - 02/07/2024 - UU MH6107AX

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
22	1	02/07/24	15:09	Not Specified	Not Specified	No	UU MH6107AX
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
Not Specified		Not Specified		Not Specified	Not Specified	Not Specified	Not Specified

Scale:	1:147	Position [m]	Code	Observation	MPEG	Photo	Grade
		17.62	RF	Roots, fine	00:01:53	UU MH6107A X_501790	2
		17.97	RF	Roots, fine	00:01:55	UU MH6107A X_0ec05c	2
		18.78	MHF	Finish node, manhole, reference: UU MH6107C	00:02:01		
UU MH6107C							
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
5	80.0	6.4	120.0	4.0	10	4.0	0.7	13.0	3.0

Section Pictures - 02/07/2024 - UU MH6107AX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
22	Downstream	UU MH6107AX		



UU
 MH6107AX_60deeee9-b3ec-49dc-9e27-a0d542f1aef9_20240710_122640_872.jpg, 00:00:18, 0.35 m
 Crack, circumferential from 8 o'clock to 5 o'clock



UU
 MH6107AX_4a8c7710-511d-4ea7-817a-04986cc7a9de_20240710_123428_172.jpg, 00:00:19, 0.94 m
 Fractures, multiple at joint from 8 o'clock to 5 o'clock



UU
 MH6107AX_b2cc1fb5-382e-4a3d-8aec-3e866c16732f_20240710_123432_764.jpg, 00:00:19, 0.94 m
 Fractures, multiple at joint from 8 o'clock to 5 o'clock



UU
 MH6107AX_05090492-b964-4d08-a526-19632702de53_20240710_123512_218.jpg, 00:00:27, 1.90 m
 Crack, circumferential at joint from 8 o'clock to 4 o'clock

Section Pictures - 02/07/2024 - UU MH6107AX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
22	Downstream	UU MH6107AX		



UU
 MH6107AX_eebef5a0-0d76-464a-8169-e5fea1051d21_20240710_123858_044.jpg, 00:00:36, 4.02 m
 Crack, circumferential at joint from 8 o'clock to 5 o'clock



UU
 MH6107AX_775fc9b6-a6ee-499b-8e54-66e659bd058f_20240710_124000_810.jpg, 00:00:40, 4.73 m
 Crack, circumferential from 2 o'clock to 5 o'clock



UU
 MH6107AX_fdf360c8-c7a8-4766-87ac-a77218163a15_20240710_124014_117.jpg, 00:00:41, 4.84 m
 Roots, fine



UU
 MH6107AX_70430c2e-8bc0-45aa-b2d9-8800030f61fd_20240710_124222_497.jpg, 00:01:29, 14.31 m
 Roots, fine

Section Pictures - 02/07/2024 - UU MH6107AX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
22	Downstream	UU MH6107AX		



UU
 MH6107AX_6ede8f1f-d234-4ec7-a255-2f600592bcf3_202407
 10_124318_501.jpg, 00:01:39, 16.20 m
 Roots, mass, 10% cross-sectional area loss



UU
 MH6107AX_5017909f-c386-426c-b254-316ba6b4dd71_20240
 710_124341_701.jpg, 00:01:53, 17.62 m
 Roots, fine



UU
 MH6107AX_0ec05cdd-4a87-4023-aed1-7880fe3c889f_20240
 710_124400_211.jpg, 00:01:55, 17.97 m
 Roots, fine

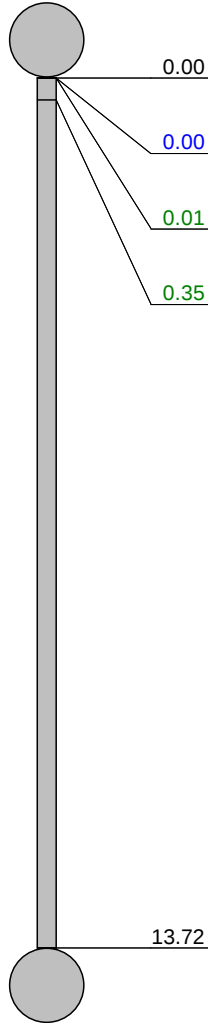
Section Inspection - 02/07/2024 - UU MH6107CX

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
23	1	02/07/24	15:17	Not Specified	Not Specified	No	UU MH6107CX
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
Not Specified		Not Specified		Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Millom	Inspection Direction:	Downstream	Upstream Node:	UU MH6107C
Road:	Queens Park Drive	Inspected Length:	13.72 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	13.72 m	Downstream Node:	UU MH6107D
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:119	Position [m]	Code	Observation	MPEG	Photo	Grade																																				
Depth: m UU MH6107C  <table><tr><th>Position [m]</th><th>Code</th><th>Observation</th><th>MPEG</th><th>Photo</th><th>Grade</th></tr><tr><td>0.00</td><td>MH</td><td>Start node, manhole, reference: UU MH6107C</td><td>00:00:00</td><td></td><td></td></tr><tr><td>0.00</td><td>WL</td><td>Water level, 0% of the vertical dimension</td><td>00:00:12</td><td></td><td></td></tr><tr><td>0.01</td><td>RF</td><td>Roots, fine</td><td>00:00:12</td><td>UU MH6107C X_09cbff7f</td><td>2</td></tr><tr><td>0.35</td><td>RFJ</td><td>Roots, fine at joint</td><td>00:00:15</td><td>UU MH6107C X_ea0ddb</td><td>2</td></tr><tr><td>13.72</td><td>MHF</td><td>Finish node, manhole, reference: UU MH 6107D</td><td>00:01:14</td><td></td><td></td></tr></table>								Position [m]	Code	Observation	MPEG	Photo	Grade	0.00	MH	Start node, manhole, reference: UU MH6107C	00:00:00			0.00	WL	Water level, 0% of the vertical dimension	00:00:12			0.01	RF	Roots, fine	00:00:12	UU MH6107C X_09cbff7f	2	0.35	RFJ	Roots, fine at joint	00:00:15	UU MH6107C X_ea0ddb	2	13.72	MHF	Finish node, manhole, reference: UU MH 6107D	00:01:14		
Position [m]	Code	Observation	MPEG	Photo	Grade																																						
0.00	MH	Start node, manhole, reference: UU MH6107C	00:00:00																																								
0.00	WL	Water level, 0% of the vertical dimension	00:00:12																																								
0.01	RF	Roots, fine	00:00:12	UU MH6107C X_09cbff7f	2																																						
0.35	RFJ	Roots, fine at joint	00:00:15	UU MH6107C X_ea0ddb	2																																						
13.72	MHF	Finish node, manhole, reference: UU MH 6107D	00:01:14																																								
Construction Features Structural Defects Miscellaneous Features 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	1.0	0.1	2.0	2.0																																		

Section Pictures - 02/07/2024 - UU MH6107CX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
23	Downstream	UU MH6107CX		



UU
 MH6107CX_09cbff7f-9bc6-4ce9-8915-7d9989a1bd12_202407
 10_130335_944.jpg, 00:00:12, 0.01 m
 Roots, fine



UU
 MH6107CX_ea0ddb5-7f23-4228-8dc1-2eb74ff659b8_20240
 710_130347_264.jpg, 00:00:15, 0.35 m
 Roots, fine at joint

Section Pictures - 02/07/2024 - UU MH6107DX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
24	Upstream	UU MH6107DX		



UU
 MH6107DX_0d254413-0e0f-4d09-9a84-87e98e0450d8_2024
 0710_131915_828.jpg, 00:00:34, 5.91 m
 Crack, longitudinal at joint at 9 o'clock

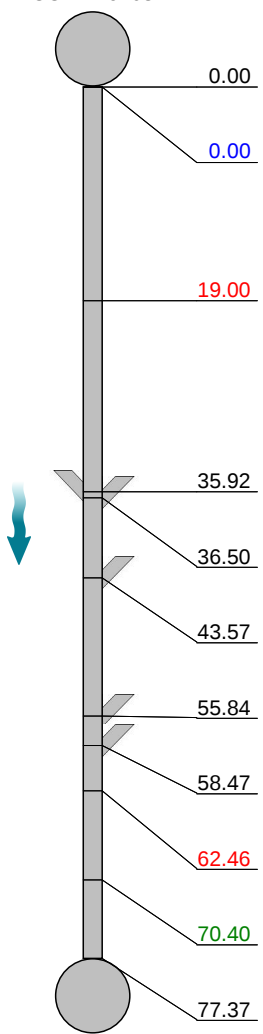
Section Inspection - 01/07/2024 - UU MH 6103X

Item No. 25	Insp. No. 1	Date 01/07/24	Time 13:36	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned No	PLR UU MH 6103X
Operator Not Specified		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Millom	Inspection Direction:	Downstream	Upstream Node:	UU MH 6103
Road:	Queens Park Drive	Inspected Length:	77.37 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	77.37 m	Downstream Node:	UU MH 7100
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale: 1:670	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m UU MH 6103						
						
	0.00	MH	Start node, manhole, reference: UU MH 6103	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension	00:00:12		
	19.00	CCJ	Crack, circumferential at joint from 5 o'clock to 11 o'clock	00:01:23	UU MH 6103X_ad 477bb1-33	2 / 2
	35.92	JN	Junction at 3 o'clock, 150mm dia	00:02:27		
	36.50	JN	Junction at 11 o'clock, 150mm dia	00:02:29		
	43.57	JN	Junction at 11 o'clock, 150mm dia	00:02:56		
	55.84	JN	Junction at 11 o'clock, 100mm dia	00:03:44		
	58.47	CN	Connection other than junction at 11 o'clock, 150mm dia	00:03:55	UU MH 6103X_73 2ef41c-6fe	
	62.46	H	Hole in drain or sewer from 11 o'clock to 2 o'clock	00:04:10	UU MH 6103X_08 0152c5-db	5
	70.40	DEEJ	Attached deposits, encrustation at joint from 7 o'clock to 12 o'clock, 15% cross-sectional area loss	00:04:41	UU MH 6103X_c3 cb60a3-84	3
	77.37	MHF	Finish node, manhole, reference: UU MH 7100	00:05:19		
UU MH 7100 Depth: m						

Construction Features

Miscellaneous Features

Structural Defects

Service & Operational Observations

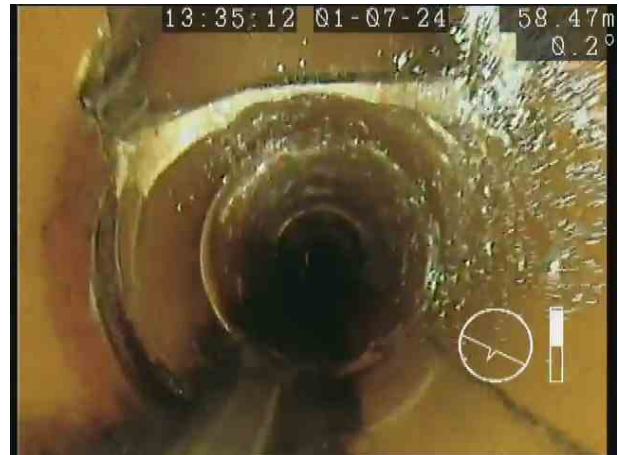
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
2	165.0	2.3	175.0	5.0	2	2.0	0.0	3.0	3.0

Section Pictures - 01/07/2024 - UU MH 6103X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
25	Downstream	UU MH 6103X		



UU MH
 6103X_ad477bb1-3347-4377-926c-b51cec39dc9f_20240710_115331_218.jpg, 00:01:23, 19.00 m
 Crack, circumferential at joint from 5 o'clock to 11 o'clock



UU MH
 6103X_732ef41c-6fee-4791-b742-c1db137bfee3_20240710_115844_918.jpg, 00:03:55, 58.47 m
 Connection other than junction at 11 o'clock, 150mm dia



UU MH
 6103X_080152c5-dbb7-4dda-96cb-2171be9d353b_20240710_115916_616.jpg, 00:04:10, 62.46 m
 Hole in drain or sewer from 11 o'clock to 2 o'clock



UU MH
 6103X_c3cb60a3-84c7-40d5-9167-26202aebd9b6_20240710_115957_714.jpg, 00:04:41, 70.40 m
 Attached deposits, encrustation at joint from 7 o'clock to 12 o'clock, 15% cross-sectional area loss

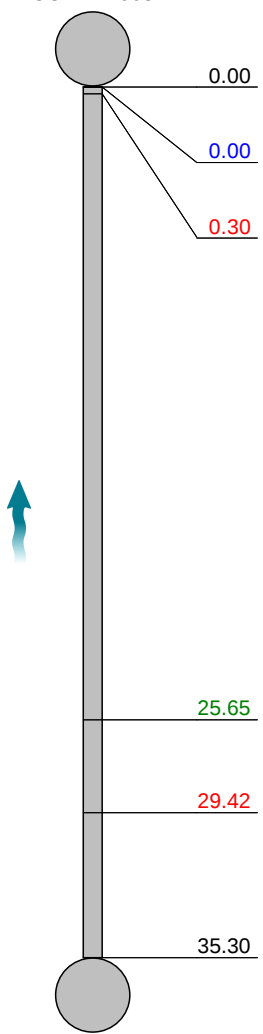
Section Inspection - 01/07/2024 - UU MH 7100X

Item No. 26	Insp. No. 1	Date 01/07/24	Time 14:15	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned No	PLR UU MH 7100X
Operator Not Specified		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Millom	Inspection Direction:	Upstream	Upstream Node:	UU MH 7100
Road:	Queens Park Drive	Inspected Length:	35.30 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	35.30 m	Downstream Node:	UU MH 7003
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale: 1:306	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m UU MH 7003						
						
	0.00	MH	Start node, manhole, reference: UU MH 7003	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:10		
	0.30	CC	Crack, circumferential from 12 o'clock to 12 o'clock	00:00:14	UU MH 7100X_6a00a2a1-d0	2 / 2
	25.65	DEC	Settled deposits, hard or compacted, 5% cross-sectional area loss	00:01:56	UU MH 7100X_c7d91596-d8	3
	29.42	CCJ	Crack, circumferential at joint from 3 o'clock to 10 o'clock	00:02:12	UU MH 7100X_1db507ad-ea	2 / 2
	35.30	MHF	Finish node, manhole, reference: UU MH 7100	00:02:38		
UU MH 7100 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
2	10.0	0.6	20.0	2.0	3	2.0	0.1	4.0	3.0

Section Pictures - 01/07/2024 - UU MH 7100X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
26	Upstream	UU MH 7100X		



UU MH
 7100X_6a00a2a1-d015-41d1-a740-7944b7392f84_20240710_132141_314.jpg, 00:00:14, 0.30 m
 Crack, circumferential from 12 o'clock to 12 o'clock



UU MH
 7100X_c7d91596-d8b9-48ad-a7f8-5a4550dc115c_20240710_132254_026.jpg, 00:01:56, 25.65 m
 Settled deposits, hard or compacted, 5% cross-sectional area loss



UU MH
 7100X_1db507ad-ea16-471e-9689-70e550d0655c_20240710_132319_673.jpg, 00:02:12, 29.42 m
 Crack, circumferential at joint from 3 o'clock to 10 o'clock

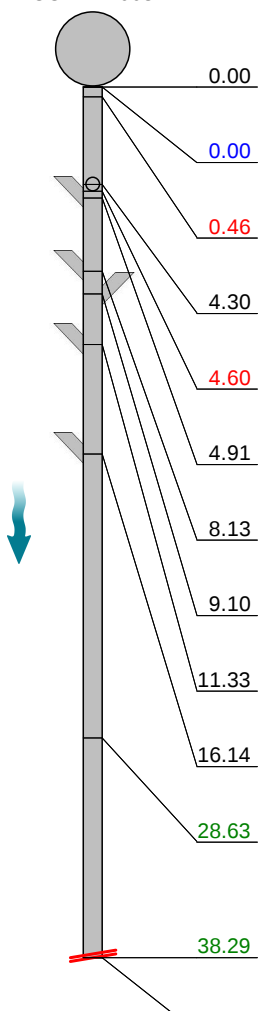
Section Inspection - 01/07/2024 - UU MH 7003X

Item No. 27	Insp. No. 1	Date 01/07/24	Time 14:08	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned No	PLR UU MH 7003X
Operator Not Specified		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Millom	Inspection Direction:	Downstream	Upstream Node:	UU MH 7003
Road:	Queens Park Drive	Inspected Length:	38.30 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	38.30 m	Downstream Node:	UU MH 8006
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale: 1:332	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m UU MH 7003						
						
	0.00	MH	Start node, manhole, reference: UU MH 7003	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:14		
	0.46	CLJ	Crack, longitudinal at joint at 3 o'clock	00:00:22	UU MH 7003X_39 d22598-ed	2 / 2
	4.30	CN	Connection other than junction at 12 o'clock, 100mm dia	00:00:37	UU MH 7003X_f87 8f780-b34	
	4.60	CM	Cracks, multiple from 1 o'clock to 5 o'clock	00:00:38	UU MH 7003X_21 045095-d4	3 / 2
	4.91	CN	Connection other than junction at 2 o'clock, 150mm dia	00:00:39	UU MH 7003X_d0 72b720-dd	
	8.13	JN	Junction at 2 o'clock, 100mm dia	00:00:52		
	9.10	JN	Junction at 10 o'clock, 150mm dia	00:00:55		
	11.33	CN	Connection other than junction at 2 o'clock, 100mm dia	00:01:04	UU MH 7003X_4c 86abb0-0d	
	16.14	CN	Connection other than junction at 2 o'clock, 100mm dia	00:01:22	UU MH 7003X_f04 4fae5-85b	
	28.63	DEEJ	Attached deposits, encrustation at joint from 7 o'clock to 10 o'clock, 10% cross-sectional area loss	00:02:11	UU MH 7003X_9b 082942-0b	3
	38.29	DEC	Settled deposits, hard or compacted, 25% cross-sectional area loss	00:02:45	UU MH 7003X_40 b91952-7b	4
	38.30	SA	Survey abandoned: Unable to pass	00:02:57		

Construction Features

Structural Defects

Miscellaneous Features

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	40.0	1.3	50.0	3.0	4	5.0	0.2	9.0	4.0

Section Pictures - 01/07/2024 - UU MH 7003X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
27	Downstream	UU MH 7003X		



UU MH
 7003X_39d22598-ed13-48dd-851e-36eb0247e3a5_20240710_131216_796.jpg, 00:00:22, 0.46 m
 Crack, longitudinal at joint at 3 o'clock



UU MH
 7003X_f878f780-b348-436f-9ff8-01ed2215a29e_20240710_131432_748.jpg, 00:00:37, 4.30 m
 Connection other than junction at 12 o'clock, 100mm dia



UU MH
 7003X_21045095-d4f2-4fdc-ba61-c9b5a75b6702_20240710_131251_216.jpg, 00:00:38, 4.60 m
 Cracks, multiple from 1 o'clock to 5 o'clock



UU MH
 7003X_d072b720-dd94-4ec0-b578-884a22fa18aa_20240710_131430_220.jpg, 00:00:39, 4.91 m
 Connection other than junction at 2 o'clock, 150mm dia

Section Pictures - 01/07/2024 - UU MH 7003X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
27	Downstream	UU MH 7003X		



UU MH
 7003X_4c86abb0-0d67-4156-a544-c7576090e785_20240710_131629_181.jpg, 00:01:04, 11.33 m
 Connection other than junction at 2 o'clock, 100mm dia



UU MH
 7003X_f044fae5-85bc-4edc-82ed-dc73e9bd882b_20240710_131629_982.jpg, 00:01:22, 16.14 m
 Connection other than junction at 2 o'clock, 100mm dia



UU MH
 7003X_9b082942-0be2-48c7-b25c-257c7d28bdec_20240710_131711_603.jpg, 00:02:11, 28.63 m
 Attached deposits, encrustation at joint from 7 o'clock to 10 o'clock, 10% cross-sectional area loss



UU MH
 7003X_40b91952-7be8-420f-a027-267d743fc8e6_20240710_131821_861.jpg, 00:02:45, 38.29 m
 Settled deposits, hard or compacted, 25% cross-sectional area loss