



Huyton Town Centre Regeneration
CCTV Condition Report

Project Ref: TS-2645 Huyton Town Centre Regeneration CCTV
Report_303_Issue01

Dominic White – Tower Surveys CCTV Ltd
23/05/2025



Project Information

Project Name	Project Number	Project Date
TS-2645 Huyton Town Centre Regeneration CCTV Report 303 Issue01	TS-2645	20/05/2025

Client

Company: Genr8 Kajima Regeneration (Huyton) Limited
Contact: Libby Butler
Department: Development Manager
Street: 10 St Giles Square
Town or City: London
Post Code: WC2H 8AP
Mobile: 07738 622 812
Email: libby.butler@kajima.co.uk

Site

Description: Huyton Town Centre Regeneration
Contact: Alan Hall
Department: Director of Projects
Street: Archway Road, Poplar Bank, Westmorland Road
Town or City: Huyton
Mobile: 07394 563 148
Email: alan@genr8developments.com

Contractor

Company: Tower Surveys CCTV Ltd
Contact: Dominic White
Department: CCTV Department
Street: 40 Orchard Drive
Town or City: Nottingham
County: Nottinghamshire
Post Code: NG12 3TP
Mobile: 07917 435 897
Email: dominic.white@towersurveyscctv.co.uk

Scoring Summary

Project Name TS-2645 Huyton Town Centre Regeneration CCTV Report_303_Issue01	Project Number TS-2645	Project Date 20/05/2025
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Structural Defects

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

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

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

Section	PLR	Grade	Description
2	Capped	3	Cracks, multiple at joint from 8 o'clock to 4 o'clock
8	MH2 UTL	3	Fracture, circumferential from 9 o'clock to 12 o'clock
14	MH10 X	3	Fracture, circumferential at joint from 8 o'clock to 4 o'clock
27	Gully	4	Fractures, multiple at joint from 7 o'clock to 1 o'clock
35	MH28 X	5	Deformed sewer or drain, 20%
37	MH30 X	4	Deformed sewer or drain, 25%

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
5	Capped	3	Joint displaced, medium
6	Unknown	4	Multiple defects
8	MH2 UTL	3	Multiple defects
9	Capped	3	Multiple defects
11	MH8 X	3	Roots, mass at joint, 10% cross-sectional area loss, finish
13	MH9 X	4	Roots, tap at joint
17	MH14 X	3	Multiple defects
18	MH15 X	3	Settled deposits, coarse, 5% cross-sectional area loss, finish
19	MH16 X	3	Multiple defects
22	MH18 X	3	Joint displaced, medium
24	MH20 UTL	5	Multiple defects
25	MH21 X	3	Roots, mass at joint, 10% cross-sectional area loss
26	MH23 X	5	Roots, mass at joint, 60% cross-sectional area loss
28	MH24 X	3	Multiple defects
29	Gully1 X	3	Multiple defects
30	MH25 X	3	Multiple defects
31	MH26 X	3	Attached deposits, grease from 8 o'clock to 4 o'clock, 10% cross-sectional area loss
32	MH27 X	4	Multiple defects
33	MH23	5	Roots, mass at joint, 50% cross-sectional area loss

Scoring Summary

Project Name TS-2645 Huyton Town Centre Regeneration CCTV Report_303_Issue01	Project Number TS-2645	Project Date 20/05/2025
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Section	PLR	Grade	Description
34	Unknown	4	Joint displaced, large
35	MH28 X	4	Deformed sewer or drain, 20%
37	MH30 X	5	Roots, mass, 75% cross-sectional area loss
38	MH31 X	5	Multiple defects
39	MH32 X	5	Multiple defects
42	MH35 X	5	Roots, mass, 20% cross-sectional area loss, finish
43	MH36 X	4	Settled deposits, fine, 20% cross-sectional area loss
48	MH40 X	3	Joint displaced, medium
51	MH43 X	3	Multiple defects
53	MH45 X	3	Multiple defects
54	MH46 X	5	Roots, mass at joint, 35% cross-sectional area loss
55	MH47 X	3	Multiple defects
59	Downpipe	4	Settled deposits, hard or compacted, 35% cross-sectional area loss
62	MH49 X	3	Settled deposits, fine, 5% cross-sectional area loss
67	MH52 X	3	Multiple defects
68	MH53 X	3	Settled deposits, coarse, 5% cross-sectional area loss, finish
70	Gully3 X	4	Joint displaced, large
71	Gully	5	Roots, mass at joint, 25% cross-sectional area loss
81	MH57 X	3	Multiple defects
86	Gully4 X	4	Joint displaced, large
89	MH62 X	3	Multiple defects
97	MH68	5	Roots, mass at joint, 25% cross-sectional area loss
98	MH67 UTL	4	Settled deposits, coarse, 20% cross-sectional area loss, finish
99	MH	5	Multiple defects

Information

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

Item No. 1	Insp. No. 1	Date 06/05/25	Time 12:13	Client's Job Ref TS-2645	Weather No Rain Or Snow	Pre Cleaned No	PLR MH1 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Comments:	
Recommendations:	

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 - 06/05/2025 - MH1 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	MH1 X	TS-2645	TS-2645



1, 00:00:04, 0.00 m
General photograph taken at this point



2, 00:00:34, 5.52 m
General photograph taken at this point



3, 00:00:44, 7.71 m
Junction at 10 o'clock, 100mm dia



4, 00:00:54, 10.07 m
General photograph taken at this point

Section Pictures - 06/05/2025 - MH1 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	MH1 X	TS-2645	TS-2645



5, 00:01:21, 15.73 m
Junction at 10 o'clock, 100mm dia



6, 00:01:46, 19.02 m
Finish node, manhole, reference: MH4 reached

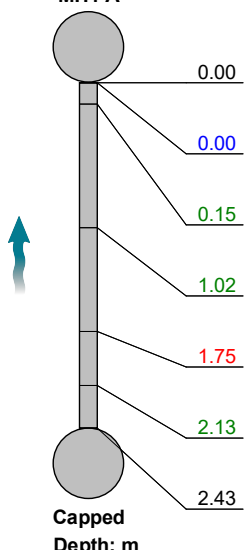
Section Inspection - 06/05/2025 - Capped

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
2	1	06/05/25	12:13	TS-2645	No Rain Or Snow	No	CAPPED
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	CAPPED
Road:	Westmorland Road	Inspected Length:	2.43 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	2.43 m	Downstream Node:	MH1 A
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe 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 MH1 A 							
	0.00	MH	Start node, manhole, reference: MH1 A	00:00:00			
	0.00	WL	Water level, 0% of the vertical dimension				
	0.15	LR	Line deviates right	00:00:09	1		
	1.02	LU	Line deviates up	00:00:21	2		
	1.75	CMJ	Cracks, multiple at joint from 8 o'clock to 4 o'clock	00:00:30	3		3 / 2
	2.13	LL	Line deviates left	00:00:33	4		
	2.43	OCF	Finish node, other special chamber, reference: Capped: Capped pipe reached	00:00:39	5		

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	16.5	40.0	3.0	1	1.0	0.4	1.0	2.0

Section Pictures - 06/05/2025 - Capped

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Upstream	CAPPED	TS-2645	TS-2645



1, 00:00:09, 0.15 m
Line deviates right



2, 00:00:21, 1.02 m
Line deviates up



3, 00:00:30, 1.75 m
Cracks, multiple at joint from 8 o'clock to 4 o'clock



4, 00:00:33, 2.13 m
Line deviates left

Section Pictures - 06/05/2025 - Capped

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Upstream	CAPPED	TS-2645	TS-2645



5, 00:00:39, 2.43 m

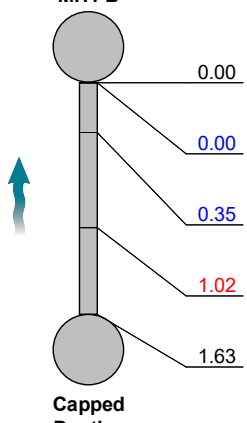
Finish node, other special chamber, reference: Capped,
Capped pipe reached

Section Inspection - 06/05/2025 - Capped

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
3	1	06/05/25	12:13	TS-2645	No Rain Or Snow	No	CAPPED
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	CAPPED
Road:	Westmorland Road	Inspected Length:	1.63 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	1.63 m	Downstream Node:	MH1 B
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe 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 MH1 B 							
		0.00	MH	Start node, manhole, reference: MH1 B	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension			
		0.35	GP	General photograph taken at this point	00:00:06	1	
		1.02	CC	Crack, circumferential from 8 o'clock to 3 o'clock	00:00:14	2	2 / 2
		1.63	OCF	Finish node, other special chamber, reference: Capped: Capped pipe reached	00:00:22	3	

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	6.1	10.0	2.0	1	1.0	0.6	1.0	2.0

Section Pictures - 06/05/2025 - Capped

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
3	Upstream	CAPPED	TS-2645	TS-2645



1, 00:00:06, 0.35 m
General photograph taken at this point



2, 00:00:14, 1.02 m
Crack, circumferential from 8 o'clock to 3 o'clock



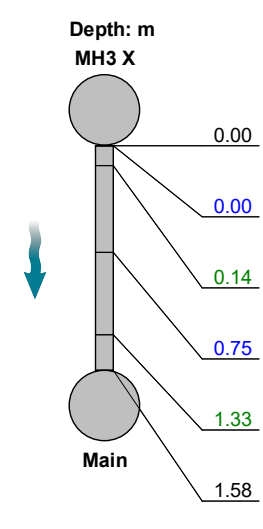
3, 00:00:22, 1.63 m
Finish node, other special chamber, reference: Capped,
Capped pipe reached

Section Inspection - 06/05/2025 - MH3 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
4	1	06/05/25	12:13	TS-2645	No Rain Or Snow	No	MH3 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH3 X
Road:	Westmorland Road	Inspected Length:	1.58 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	1.58 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node, manhole, reference: MH3 X	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension			
	0.14	LR	Line deviates right	00:00:06	1	
	0.75	GP	General photograph taken at this point	00:00:13	2	
	1.33	LR	Line deviates right	00:00:19	3	
	1.58	BRF	Finish node, major connection without manhole, reference: Main sewer between MH2 UTL and MH5 reached	00:00:28	4	

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 - 06/05/2025 - MH3 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Downstream	MH3 X	TS-2645	TS-2645



1, 00:00:06, 0.14 m
Line deviates right



2, 00:00:13, 0.75 m
General photograph taken at this point



3, 00:00:19, 1.33 m
Line deviates right



4, 00:00:28, 1.58 m
Finish node, major connection without manhole, reference:
Main sewer between MH2 UTL and MH5 reached

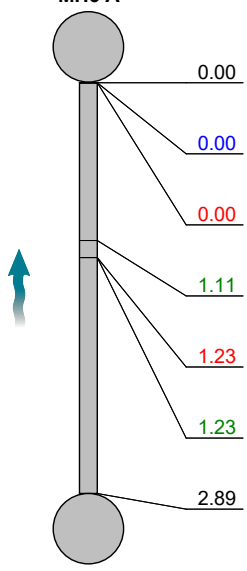
Section Inspection - 06/05/2025 - Capped

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
5	1	06/05/25	12:13	TS-2645	No Rain Or Snow	No	CAPPED
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	CAPPED
Road:	Westmorland Road	Inspected Length:	2.89 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	2.89 m	Downstream Node:	MH3 A
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe 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 MH3 A  0.00 0.00 0.00 1.11 1.23 1.23 2.89 Capped Depth: m							
		0.00	MH	Start node, manhole, reference: MH3 A	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension			
		0.00	CC	Crack, circumferential from 1 o'clock to 5 o'clock	00:00:01	1	2 / 2
		1.11	LR	Line deviates right	00:00:16	2	
		1.23	JDM	Joint displaced, medium	00:00:19	3	1 / 3
		1.23	LU	Line deviates up	00:00:30		
		2.89	OCF	Finish node, other special chamber, reference: Capped: Capped pipe reached	00:00:42	4	

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	10.0	3.8	11.0	2.0	2	2.0	1.0	3.0	3.0

Section Pictures - 06/05/2025 - Capped

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
5	Upstream	CAPPED	TS-2645	TS-2645



1, 00:00:01, 0.00 m
Crack, circumferential from 1 o'clock to 5 o'clock



2, 00:00:16, 1.11 m
Line deviates right



3, 00:00:19, 1.23 m
Joint displaced, medium



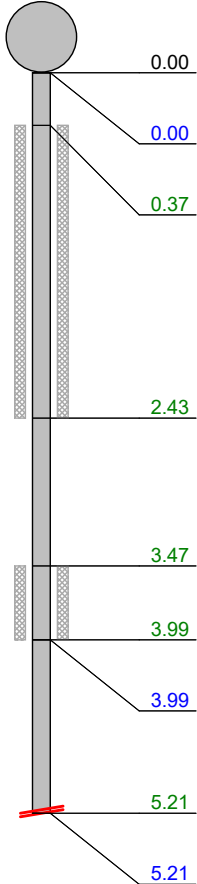
4, 00:00:42, 2.89 m
Finish node, other special chamber, reference: Capped,
Capped pipe reached

Section Inspection - 14/05/2025 - Unknown

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
6	1	14/05/25	9:48	TS-2645	No Rain Or Snow	Yes	UNKNOWN
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	UNKNOWN
Road:	Westmorland Road	Inspected Length:	5.21 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	5.21 m	Downstream Node:	MH4 B
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe Material:	Polyvinyl chloride		
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 MH4 B 							
	0.00	MH		Start node, manhole, reference: MH4 B	00:00:00		
	0.00	WL		Water level, 5% of the vertical dimension			
	0.37	S01	DEC	Settled deposits, hard or compacted, 20% cross-sectional area loss, start: Solid set debris remained in sewer following jetting	00:00:11	1	
	2.43	F01	DEC	Settled deposits, hard or compacted, 20% cross-sectional area loss, finish: Solid set debris remained in sewer following jetting	00:01:57	2	4
	3.47	S02	DEC	Settled deposits, hard or compacted, 20% cross-sectional area loss, start: Solid set debris remained in sewer following jetting	00:01:49	3	
	3.99	F02	DEC	Settled deposits, hard or compacted, 20% cross-sectional area loss, finish: Solid set debris remained in sewer following jetting	00:01:40	4	4
	3.99	WL		Water level, 20% of the vertical dimension	00:01:40		
	5.21	LL		Line deviates left	00:01:32	5	
	5.21	SA		Survey abandoned: Unable to pass left deviation	00:01:32		

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	5.0	3.8	20.0	4.0

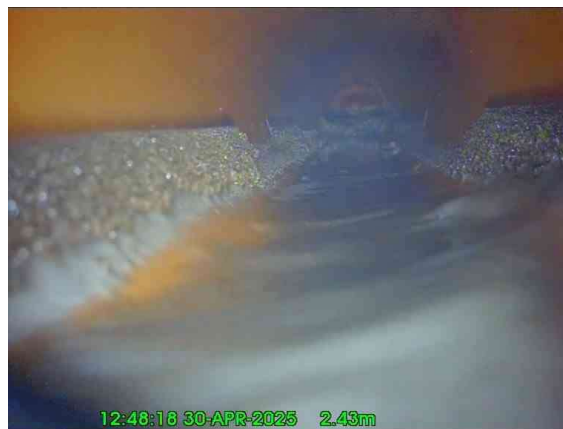
Section Pictures - 14/05/2025 - Unknown

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
6	Upstream	UNKNOWN	TS-2645	TS-2645



1, 00:00:11, 0.37 m

Settled deposits, hard or compacted, 20% cross-sectional area loss, start, Solid set debris remained in sewer following jetting



2, 00:01:57, 2.43 m

Settled deposits, hard or compacted, 20% cross-sectional area loss, finish, Solid set debris remained in sewer following jetting



3, 00:01:49, 3.47 m

Settled deposits, hard or compacted, 20% cross-sectional area loss, start, Solid set debris remained in sewer following jetting



4, 00:01:40, 3.99 m

Settled deposits, hard or compacted, 20% cross-sectional area loss, finish, Solid set debris remained in sewer following jetting

Section Pictures - 14/05/2025 - Unknown

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
6	Upstream	UNKNOWN	TS-2645	TS-2645



12:47:53 30-APR-2025 5.21m

5, 00:01:32, 5.21 m
Line deviates left

Section Inspection - 06/05/2025 - MH5 X

Item No. 7	Insp. No. 1	Date 06/05/25	Time 12:15	Client's Job Ref TS-2645	Weather No Rain Or Snow	Pre Cleaned No	PLR MH5 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH5 X
Road:	Westmorland Road	Inspected Length:	10.12 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	10.12 m	Downstream Node:	MH6 UTL
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul		Pipe Shape:	Circular	
Type of Pipe:	Gravity drain/sewer		Dia/Height:	100 mm	
Flow Control:	No flow control		Pipe Material:	Vitrified clay	
Year Constructed:	Not Specified		Lining Type:	No Lining	
Inspection Purpose:	Routine inspection		Lining Material:	No Lining	

Comments:

Recommendations:

Scale:	1:88	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH5 X							
		0.00	MH	Start node, manhole, reference: MH5 X	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension			
		0.00	LR	Line deviates right	00:00:02	1	
		2.38	GP	General photograph taken at this point	00:00:26	2	
		5.36	GP	General photograph taken at this point	00:00:41	3	
		10.12	MHF	Finish node, manhole, reference: MH6 UTL (Buried MH) reached	00:01:25	4	
MH6 UTL 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 - 06/05/2025 - MH5 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
7	Downstream	MH5 X	TS-2645	TS-2645



1, 00:00:02, 0.00 m
Line deviates right



2, 00:00:26, 2.38 m
General photograph taken at this point



3, 00:00:41, 5.36 m
General photograph taken at this point



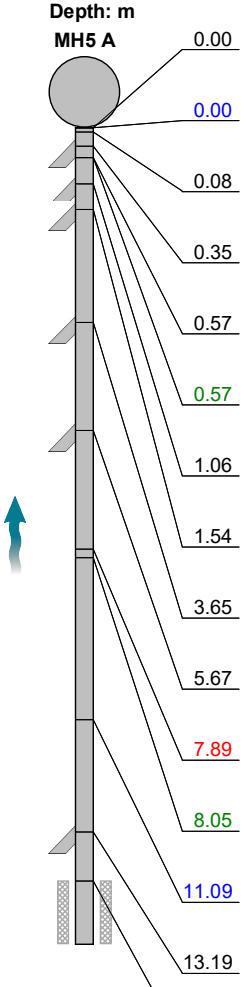
4, 00:01:25, 10.12 m
Finish node, manhole, reference: MH6 UTL (Buried MH)
reached

Section Inspection - 06/05/2025 - MH2 UTL

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
8	1	06/05/25	12:14	TS-2645	No Rain Or Snow	No	MH2 UTL
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

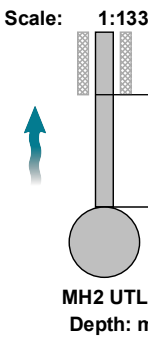
Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	MH2 UTL
Road:	Westmorland Road	Inspected Length:	18.56 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	18.56 m	Downstream Node:	MH5 A
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:133	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH5 A  0.00 0.00 0.08 0.35 0.57 0.57 1.06 1.54 3.65 5.67 7.89 8.05 11.09 13.19 14.11	MH	Start node, manhole, reference: MH5 A	00:00:00				
	WL	Water level, 0% of the vertical dimension					
	MCPVC	Pipe material changes to polyvinyl chloride at this point	00:00:02	1			
	JN	Junction at 3 o'clock, 100mm dia	00:00:12	2			
	MCVC	Pipe material changes to vitrified clay at this point	00:00:14	3			
	DES	Settled deposits, fine, 5% cross-sectional area loss	00:00:14	4	3		
	JN	Junction at 3 o'clock, 100mm dia	00:00:20	5			
	JN	Junction at 3 o'clock, 100mm dia	00:00:25	6			
	JN	Junction at 3 o'clock, 100mm dia	00:00:39	7			
	JN	Junction at 3 o'clock, 100mm dia	00:00:51	8			
	FC	Fracture, circumferential from 9 o'clock to 12 o'clock	00:01:01	9	3 / 2		
	RFJ	Roots, fine at joint	00:01:09	10	2		
	GP	General photograph taken at this point	00:01:37	11			
	JN	Junction at 3 o'clock, 100mm dia	00:01:54	12			
S01 DER	Settled deposits, coarse, 5% cross-sectional area loss, start	00:01:58	13				

Section Inspection - 06/05/2025 - MH2 UTL

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
8	1	06/05/25	12:14	TS-2645	No Rain Or Snow	No	MH2 UTL
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Scale:	1:133	Position [m]	Code	Observation	MPEG	Photo	Grade
	16.46	F01	DER	Settled deposits, coarse, 5% cross-sectional area loss, finish	00:02:14	14	3
	18.56		MHF	Finish node, manhole, reference: MH2 UTL reached	00:02:37	15	

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	2.2	40.0	3.0	4	2.0	0.5	10.0	3.0

Section Pictures - 06/05/2025 - MH2 UTL

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Upstream	MH2 UTL	TS-2645	TS-2645



1, 00:00:02, 0.08 m
Pipe material changes to polyvinyl chloride at this point



2, 00:00:12, 0.35 m
Junction at 3 o'clock, 100mm dia



3, 00:00:14, 0.57 m
Pipe material changes to vitrified clay at this point



4, 00:00:14, 0.57 m
Settled deposits, fine, 5% cross-sectional area loss

Section Pictures - 06/05/2025 - MH2 UTL

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Upstream	MH2 UTL	TS-2645	TS-2645



5, 00:00:20, 1.06 m
Junction at 3 o'clock, 100mm dia



6, 00:00:25, 1.54 m
Junction at 3 o'clock, 100mm dia



7, 00:00:39, 3.65 m
Junction at 3 o'clock, 100mm dia



8, 00:00:51, 5.67 m
Junction at 3 o'clock, 100mm dia

Section Pictures - 06/05/2025 - MH2 UTL

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Upstream	MH2 UTL	TS-2645	TS-2645



9, 00:01:01, 7.89 m
Fracture, circumferential from 9 o'clock to 12 o'clock



10, 00:01:09, 8.05 m
Roots, fine at joint



11, 00:01:37, 11.09 m
General photograph taken at this point



12, 00:01:54, 13.19 m
Junction at 3 o'clock, 100mm dia

Section Pictures - 06/05/2025 - MH2 UTL

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Upstream	MH2 UTL	TS-2645	TS-2645



13, 00:01:58, 14.11 m

Settled deposits, coarse, 5% cross-sectional area loss, start



14, 00:02:14, 16.46 m

Settled deposits, coarse, 5% cross-sectional area loss, finish



15, 00:02:37, 18.56 m

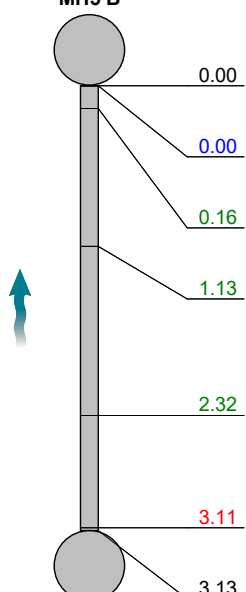
Finish node, manhole, reference: MH2 UTL reached

Section Inspection - 06/05/2025 - Capped

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
9	1	06/05/25	12:15	TS-2645	No Rain Or Snow	No	CAPPED
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	CAPPED
Road:	Westmorland Road	Inspected Length:	3.13 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	3.13 m	Downstream Node:	MH5 B
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe 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 MH5 B  Capped Depth: m <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: MH5 B</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></td><td></td><td></td></tr><tr><td>0.16</td><td>LU</td><td>Line deviates up</td><td>00:00:05</td><td>1</td><td></td></tr><tr><td>1.13</td><td>RMJ</td><td>Roots, mass at joint, 5% cross-sectional area loss</td><td>00:00:51</td><td>2</td><td>3</td></tr><tr><td>2.32</td><td>RMJ</td><td>Roots, mass at joint, 10% cross-sectional area loss</td><td>00:00:38</td><td>3</td><td>3</td></tr><tr><td>3.11</td><td>JDM</td><td>Joint displaced, medium</td><td>00:00:30</td><td>4</td><td>1 / 3</td></tr><tr><td>3.13</td><td>OCF</td><td>Finish node, other special chamber, reference: Capped: Capped pipe reached</td><td>00:00:24</td><td>5</td><td></td></tr></table>								Position [m]	Code	Observation	MPEG	Photo	Grade	0.00	MH	Start node, manhole, reference: MH5 B	00:00:00			0.00	WL	Water level, 0% of the vertical dimension				0.16	LU	Line deviates up	00:00:05	1		1.13	RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:00:51	2	3	2.32	RMJ	Roots, mass at joint, 10% cross-sectional area loss	00:00:38	3	3	3.11	JDM	Joint displaced, medium	00:00:30	4	1 / 3	3.13	OCF	Finish node, other special chamber, reference: Capped: Capped pipe reached	00:00:24	5	
Position [m]	Code	Observation	MPEG	Photo	Grade																																																		
0.00	MH	Start node, manhole, reference: MH5 B	00:00:00																																																				
0.00	WL	Water level, 0% of the vertical dimension																																																					
0.16	LU	Line deviates up	00:00:05	1																																																			
1.13	RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:00:51	2	3																																																		
2.32	RMJ	Roots, mass at joint, 10% cross-sectional area loss	00:00:38	3	3																																																		
3.11	JDM	Joint displaced, medium	00:00:30	4	1 / 3																																																		
3.13	OCF	Finish node, other special chamber, reference: Capped: Capped pipe reached	00:00:24	5																																																			

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
1	1.0	0.3	1.0	1.0	3	4.0	3.2	10.0	4.0

Section Pictures - 06/05/2025 - Capped

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
9	Upstream	CAPPED	TS-2645	TS-2645



1, 00:00:05, 0.16 m
Line deviates up



2, 00:00:51, 1.13 m
Roots, mass at joint, 5% cross-sectional area loss



3, 00:00:38, 2.32 m
Roots, mass at joint, 10% cross-sectional area loss



4, 00:00:30, 3.11 m
Joint displaced, medium

Section Pictures - 06/05/2025 - Capped

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
9	Upstream	CAPPED	TS-2645	TS-2645



5, 00:00:24, 3.13 m

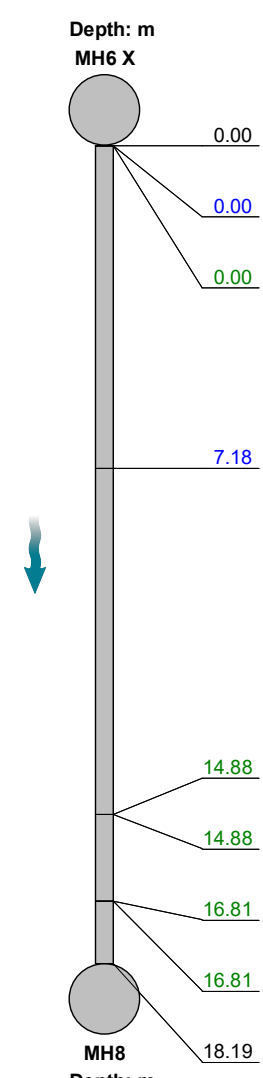
Finish node, other special chamber, reference: Capped,
Capped pipe reached

Section Inspection - 06/05/2025 - MH6 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
10	1	06/05/25	12:15	TS-2645	No Rain Or Snow	No	MH6 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH6 X
Road:	Westmorland Road	Inspected Length:	18.19 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	18.19 m	Downstream Node:	MH8
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Pipe 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 MH6 X 							
	0.00	MH		Start node, manhole, reference: MH6 X	00:00:00		
	0.00	WL		Water level, 5% of the vertical dimension			
	0.00	LR		Line deviates right	00:00:03	1	
	7.18	GP		General photograph taken at this point	00:00:36	2	
	14.88	LR		Line deviates right	00:01:07	3	
	14.88	LD		Line deviates down	00:01:07		
	16.81	LL		Line deviates left	00:01:17	4	
	16.81	LD		Line deviates down	00:01:17		
	18.19	MHF		Finish node, manhole, reference: MH8 reached: UU MH Ref: 2707	00:01:37	5	

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 - 06/05/2025 - MH6 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
10	Downstream	MH6 X	TS-2645	TS-2645



1, 00:00:03, 0.00 m
Line deviates right



2, 00:00:36, 7.18 m
General photograph taken at this point



3, 00:01:07, 14.88 m
Line deviates right



4, 00:01:17, 16.81 m
Line deviates left

Section Pictures - 06/05/2025 - MH6 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
10	Downstream	MH6 X	TS-2645	TS-2645



5, 00:01:37, 18.19 m

Finish node, manhole, reference: MH8 reached, UU MH Ref:
2707

Section Pictures - 06/05/2025 - MH8 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
11	Downstream	MH8 X	TS-2645	TS-2645



1, 00:00:07, 0.59 m
Roots, mass at joint, 5% cross-sectional area loss, start



2, 00:00:20, 1.78 m
Roots, mass at joint, 10% cross-sectional area loss, change



3, 00:00:51, 6.80 m
General photograph taken at this point



4, 00:01:10, 9.82 m
Junction at 9 o'clock, 150mm dia

Section Pictures - 06/05/2025 - MH8 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
11	Downstream	MH8 X	TS-2645	TS-2645



5, 00:01:33, 12.94 m
Junction at 2 o'clock, 100mm dia



6, 00:01:37, 13.81 m
Roots, mass at joint, 10% cross-sectional area loss, finish



7, 00:01:39, 14.00 m
Finish node, manhole, reference: MH9 reached

Section Inspection - 06/05/2025 - Capped

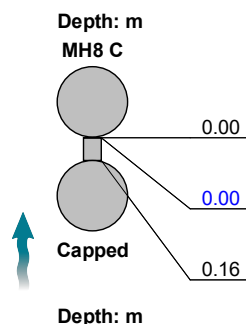
Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
12	1	06/05/25	12:33	TS-2645	No Rain Or Snow	Yes	CAPPED
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	CAPPED
Road:	Westmorland Road	Inspected Length:	0.16 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	0.16 m	Downstream Node:	MH8 C
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Pipe 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



MH Start node, manhole, reference: MH8 C: UU MH Ref: 2707 00:00:00

WL Water level, 0% of the vertical dimension

OCF Finish node, other special chamber, reference: Capped: 00:00:06 1
Capped pipe reached

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	0	0.0	0.0	0.0	1.0

Section Pictures - 06/05/2025 - Capped

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
12	Upstream	CAPPED	TS-2645	TS-2645



1, 00:00:06, 0.16 m

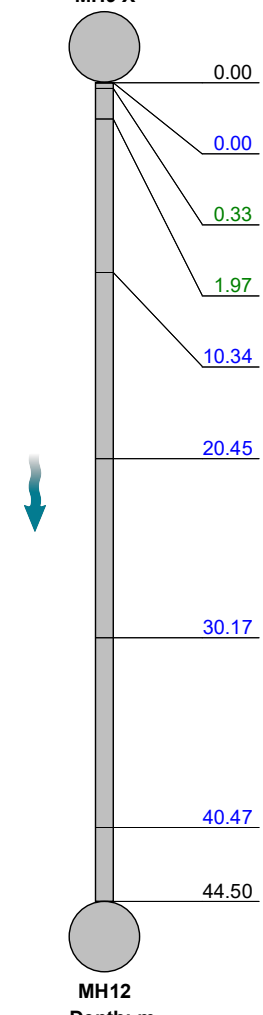
Finish node, other special chamber, reference: Capped,
Capped pipe reached

Section Inspection - 06/05/2025 - MH9 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
13	1	06/05/25	12:16	TS-2645	No Rain Or Snow	No	MH9 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH9 X
Road:	Westmorland Road	Inspected Length:	44.50 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	44.50 m	Downstream Node:	MH12
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:386	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH9 X 							
	0.00	MH	Start node, manhole, reference: MH9 X: UU MH Ref: 2708	00:00:00			
	0.00	WL	Water level, 5% of the vertical dimension				
	0.33	RTJ	Roots, tap at joint	00:00:06	1	4	
	1.97	RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:00:25	2	3	
	10.34	GP	General photograph taken at this point	00:01:03	3		
	20.45	GP	General photograph taken at this point	00:01:33	4		
	30.17	GP	General photograph taken at this point	00:01:56	5		
	40.47	GP	General photograph taken at this point	00:02:23	6		
	44.50	MHF	Finish node, manhole, reference: MH12 reached: UU MH Ref: 2803	00:02:38	7		
MH12 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	2	5.0	0.2	9.0	4.0

Section Pictures - 06/05/2025 - MH9 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
13	Downstream	MH9 X	TS-2645	TS-2645



1, 00:00:06, 0.33 m
Roots, tap at joint



2, 00:00:25, 1.97 m
Roots, mass at joint, 5% cross-sectional area loss



3, 00:01:03, 10.34 m
General photograph taken at this point



4, 00:01:33, 20.45 m
General photograph taken at this point

Section Pictures - 06/05/2025 - MH9 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
13	Downstream	MH9 X	TS-2645	TS-2645



5, 00:01:56, 30.17 m

General photograph taken at this point



6, 00:02:23, 40.47 m

General photograph taken at this point



7, 00:02:38, 44.50 m

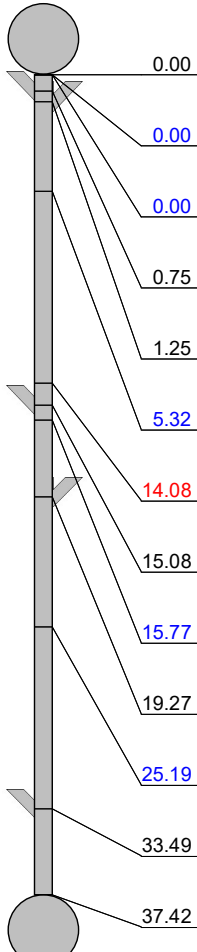
Finish node, manhole, reference: MH12 reached, UU MH Ref:
2803

Section Inspection - 06/05/2025 - MH10 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
14	1	06/05/25	12:34	TS-2645	No Rain Or Snow	Yes	MH10 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH10 X
Road:	Westmorland Road	Inspected Length:	37.42 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	37.42 m	Downstream Node:	MH7
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:324	Position [m]	Code	Observation	MPEG	Photo	Grade																																																																																				
Depth: m MH10 X  Depth: m MH7 <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: MH10 X: UU MH Ref: 2704</td><td>00:00:00</td><td></td><td></td></tr><tr><td>0.00</td><td>WL</td><td>Water level, 5% of the vertical dimension</td><td></td><td></td><td></td></tr><tr><td>0.00</td><td>GP</td><td>General photograph taken at this point</td><td>00:00:02</td><td>1</td><td></td></tr><tr><td>0.75</td><td>JN</td><td>Junction at 2 o'clock, 150mm dia</td><td>00:00:07</td><td>2</td><td></td></tr><tr><td>1.25</td><td>JN</td><td>Junction at 10 o'clock, 150mm dia</td><td>00:00:11</td><td>3</td><td></td></tr><tr><td>5.32</td><td>GP</td><td>General photograph taken at this point</td><td>00:00:23</td><td>4</td><td></td></tr><tr><td>14.08</td><td>FCJ</td><td>Fracture, circumferential at joint from 8 o'clock to 4 o'clock</td><td>00:00:53</td><td>5</td><td>3 / 2</td></tr><tr><td>15.08</td><td>JN</td><td>Junction at 1 o'clock, 150mm dia</td><td>00:01:01</td><td>6</td><td></td></tr><tr><td>15.77</td><td>GP</td><td>General photograph taken at this point</td><td>00:01:06</td><td>7</td><td></td></tr><tr><td>19.27</td><td>JN</td><td>Junction at 10 o'clock, 150mm dia</td><td>00:01:18</td><td>8</td><td></td></tr><tr><td>25.19</td><td>GP</td><td>General photograph taken at this point</td><td>00:01:40</td><td>9</td><td></td></tr><tr><td>33.49</td><td>JN</td><td>Junction at 1 o'clock, 225mm dia, from MH4 X</td><td>00:02:09</td><td>10</td><td></td></tr><tr><td>37.42</td><td>MHF</td><td>Finish node, manhole, reference: MH7 reached: UU MH Ref: 2703</td><td>00:02:34</td><td>11</td><td></td></tr></table>								Position [m]	Code	Observation	MPEG	Photo	Grade	0.00	MH	Start node, manhole, reference: MH10 X: UU MH Ref: 2704	00:00:00			0.00	WL	Water level, 5% of the vertical dimension				0.00	GP	General photograph taken at this point	00:00:02	1		0.75	JN	Junction at 2 o'clock, 150mm dia	00:00:07	2		1.25	JN	Junction at 10 o'clock, 150mm dia	00:00:11	3		5.32	GP	General photograph taken at this point	00:00:23	4		14.08	FCJ	Fracture, circumferential at joint from 8 o'clock to 4 o'clock	00:00:53	5	3 / 2	15.08	JN	Junction at 1 o'clock, 150mm dia	00:01:01	6		15.77	GP	General photograph taken at this point	00:01:06	7		19.27	JN	Junction at 10 o'clock, 150mm dia	00:01:18	8		25.19	GP	General photograph taken at this point	00:01:40	9		33.49	JN	Junction at 1 o'clock, 225mm dia, from MH4 X	00:02:09	10		37.42	MHF	Finish node, manhole, reference: MH7 reached: UU MH Ref: 2703	00:02:34	11	
Position [m]	Code	Observation	MPEG	Photo	Grade																																																																																						
0.00	MH	Start node, manhole, reference: MH10 X: UU MH Ref: 2704	00:00:00																																																																																								
0.00	WL	Water level, 5% of the vertical dimension																																																																																									
0.00	GP	General photograph taken at this point	00:00:02	1																																																																																							
0.75	JN	Junction at 2 o'clock, 150mm dia	00:00:07	2																																																																																							
1.25	JN	Junction at 10 o'clock, 150mm dia	00:00:11	3																																																																																							
5.32	GP	General photograph taken at this point	00:00:23	4																																																																																							
14.08	FCJ	Fracture, circumferential at joint from 8 o'clock to 4 o'clock	00:00:53	5	3 / 2																																																																																						
15.08	JN	Junction at 1 o'clock, 150mm dia	00:01:01	6																																																																																							
15.77	GP	General photograph taken at this point	00:01:06	7																																																																																							
19.27	JN	Junction at 10 o'clock, 150mm dia	00:01:18	8																																																																																							
25.19	GP	General photograph taken at this point	00:01:40	9																																																																																							
33.49	JN	Junction at 1 o'clock, 225mm dia, from MH4 X	00:02:09	10																																																																																							
37.42	MHF	Finish node, manhole, reference: MH7 reached: UU MH Ref: 2703	00:02:34	11																																																																																							

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
1	40.0	1.1	40.0	3.0	1	1.0	0.0	1.0	2.0

Section Pictures - 06/05/2025 - MH10 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
14	Downstream	MH10 X	TS-2645	TS-2645



1, 00:00:02, 0.00 m
General photograph taken at this point



2, 00:00:07, 0.75 m
Junction at 2 o'clock, 150mm dia



3, 00:00:11, 1.25 m
Junction at 10 o'clock, 150mm dia



4, 00:00:23, 5.32 m
General photograph taken at this point

Section Pictures - 06/05/2025 - MH10 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
14	Downstream	MH10 X	TS-2645	TS-2645



5, 00:00:53, 14.08 m

Fracture, circumferential at joint from 8 o'clock to 4 o'clock



6, 00:01:01, 15.08 m

Junction at 1 o'clock, 150mm dia



7, 00:01:06, 15.77 m

General photograph taken at this point



8, 00:01:18, 19.27 m

Junction at 10 o'clock, 150mm dia

Section Pictures - 06/05/2025 - MH10 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
14	Downstream	MH10 X	TS-2645	TS-2645



10:25:34 1-MAY-2025 25.19m

9, 00:01:40, 25.19 m
General photograph taken at this point



10:26:02 1-MAY-2025 33.49m

10, 00:02:09, 33.49 m
Junction at 1 o'clock, 225mm dia, from MH4 X



10:26:27 1-MAY-2025 37.42m

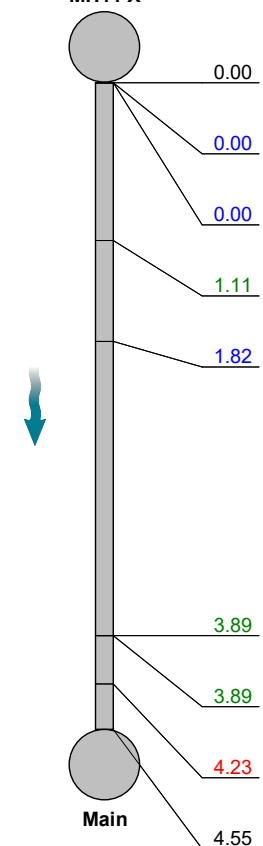
11, 00:02:34, 37.42 m
Finish node, manhole, reference: MH7 reached, UU MH Ref:
2703

Section Inspection - 06/05/2025 - MH11 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
15	1	06/05/25	12:34	TS-2645	No Rain Or Snow	Yes	MH11 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH11 X
Road:	Westmorland Road	Inspected Length:	4.55 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	4.55 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe 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 MH11 X  Depth: m							
	0.00	MH	Start node, manhole, reference: MH11 X	00:00:00			
	0.00	WL	Water level, 5% of the vertical dimension				
	0.00	GP	General photograph taken at this point	00:00:02	1		
	1.11	LR	Line deviates right	00:00:11	2		
	1.82	GP	General photograph taken at this point	00:00:17	3		
	3.89	LR	Line deviates right	00:00:29	4		
	3.89	LD	Line deviates down	00:00:29			
	4.23	OJM	Open joint, medium	00:00:38	5		1
	4.55	BRF	Finish node, major connection without manhole, reference: Main public sewer between MH13 and MH10 reached	00:00:43	6		

Construction Features

Structural Defects

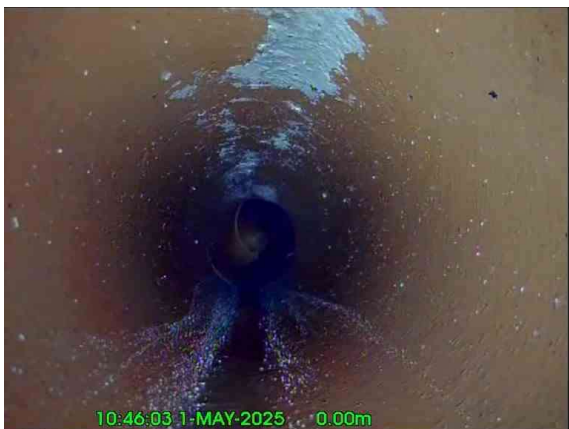
Miscellaneous Features

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
1	1.0	0.2	1.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 06/05/2025 - MH11 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
15	Downstream	MH11 X	TS-2645	TS-2645



1, 00:00:02, 0.00 m
General photograph taken at this point



2, 00:00:11, 1.11 m
Line deviates right



3, 00:00:17, 1.82 m
General photograph taken at this point



4, 00:00:29, 3.89 m
Line deviates right

Section Pictures - 06/05/2025 - MH11 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
15	Downstream	MH11 X	TS-2645	TS-2645



5, 00:00:38, 4.23 m
Open joint, medium



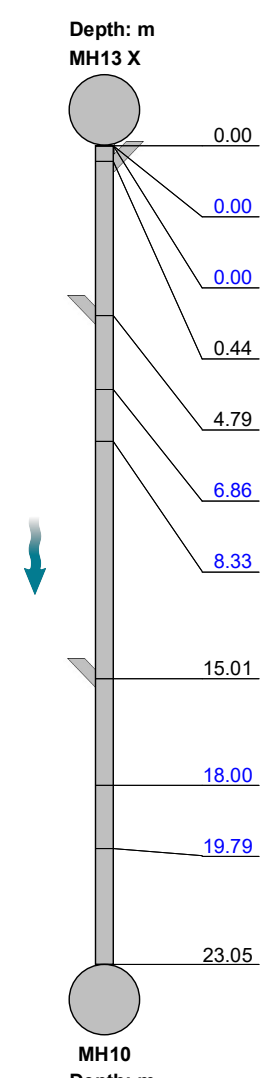
6, 00:00:43, 4.55 m
Finish node, major connection without manhole, reference:
Main public sewer between MH13 and MH10 reached

Section Inspection - 06/05/2025 - MH13 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
16	1	06/05/25	12:38	TS-2645	No Rain Or Snow	Yes	MH13 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH13 X
Road:	Westmorland Road	Inspected Length:	23.05 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	23.05 m	Downstream Node:	MH10
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:200	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH13 X 						
	0.00	MH	Start node, manhole, reference: MH13 X: UU MH Ref: 2804	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	0.00	GP	General photograph taken at this point	00:00:01	1	
	0.44	JN	Junction at 10 o'clock, 150mm dia	00:00:07	2	
	4.79	JN	Junction at 3 o'clock, 150mm dia	00:00:27	3	
	6.86	GP	General photograph taken at this point	00:00:42	4	
	8.33	WL	Water level, 10% of the vertical dimension	00:00:49	5	
	15.01	JN	Junction at 3 o'clock, 150mm dia	00:01:32	6	
	18.00	WL	Water level, 5% of the vertical dimension	00:01:48		
	19.79	GP	General photograph taken at this point	00:01:55	7	
	23.05	MHF	Finish node, manhole, reference: MH10 reached: UU MH Ref: 2704	00:02:13	8	

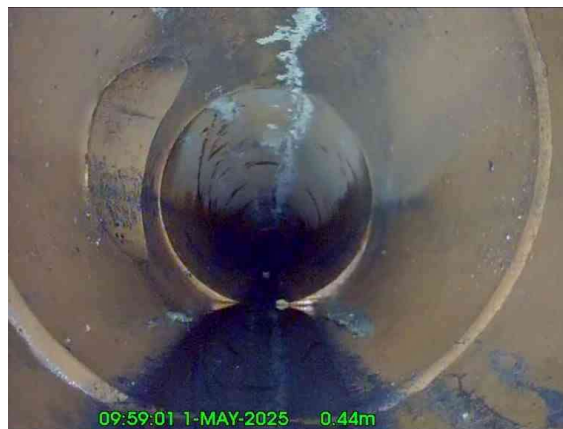
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 06/05/2025 - MH13 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
16	Downstream	MH13 X	TS-2645	TS-2645



1, 00:00:01, 0.00 m
General photograph taken at this point



2, 00:00:07, 0.44 m
Junction at 10 o'clock, 150mm dia



3, 00:00:27, 4.79 m
Junction at 3 o'clock, 150mm dia



4, 00:00:42, 6.86 m
General photograph taken at this point

Section Pictures - 06/05/2025 - MH13 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
16	Downstream	MH13 X	TS-2645	TS-2645



5, 00:00:49, 8.33 m
Water level, 10% of the vertical dimension



6, 00:01:32, 15.01 m
Junction at 3 o'clock, 150mm dia



7, 00:01:55, 19.79 m
General photograph taken at this point



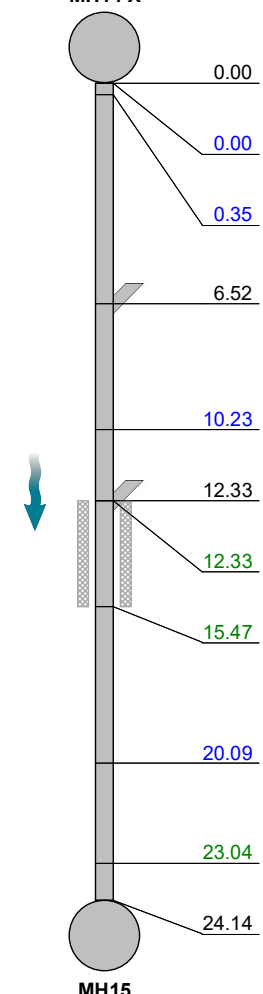
8, 00:02:13, 23.05 m
Finish node, manhole, reference: MH10 reached, UU MH Ref: 2704

Section Inspection - 06/05/2025 - MH14 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
17	1	06/05/25	12:16	TS-2645	No Rain Or Snow	No	MH14 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH14 X
Road:	Westmorland Road	Inspected Length:	24.14 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	24.14 m	Downstream Node:	MH15
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:210	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH14 X 							
		0.00	MH	Start node, manhole, reference: MH14 X	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension			
		0.35	GP	General photograph taken at this point	00:00:13	1	
		6.52	JN	Junction at 10 o'clock, 100mm dia	00:00:41	2	
		10.23	GP	General photograph taken at this point	00:00:58	3	
		12.33	JN	Junction at 11 o'clock, 100mm dia	00:01:09	4	
		12.33	S01	DER Settled deposits, coarse, 5% cross-sectional area loss, start	00:01:09	5	
		15.47	F01	DER Settled deposits, coarse, 5% cross-sectional area loss, finish	00:01:27	6	3
		20.09	GP	General photograph taken at this point	00:01:50	7	
		23.04	DER	Settled deposits, coarse, 5% cross-sectional area loss	00:02:03	8	3
		24.14	MHF	Finish node, manhole, reference: MH15 reached	00:02:11	9	
MH15 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
0	0.0	0.0	0.0	1.0	2	2.0	0.4	10.0	3.0

Section Pictures - 06/05/2025 - MH14 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
17	Downstream	MH14 X	TS-2645	TS-2645



1, 00:00:13, 0.35 m
General photograph taken at this point



2, 00:00:41, 6.52 m
Junction at 10 o'clock, 100mm dia



3, 00:00:58, 10.23 m
General photograph taken at this point



4, 00:01:09, 12.33 m
Junction at 11 o'clock, 100mm dia

Section Pictures - 06/05/2025 - MH14 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
17	Downstream	MH14 X	TS-2645	TS-2645



5, 00:01:09, 12.33 m
Settled deposits, coarse, 5% cross-sectional area loss, start



6, 00:01:27, 15.47 m
Settled deposits, coarse, 5% cross-sectional area loss, finish



7, 00:01:50, 20.09 m
General photograph taken at this point



8, 00:02:03, 23.04 m
Settled deposits, coarse, 5% cross-sectional area loss

Section Pictures - 06/05/2025 - MH14 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
17	Downstream	MH14 X	TS-2645	TS-2645



9, 00:02:11, 24.14 m

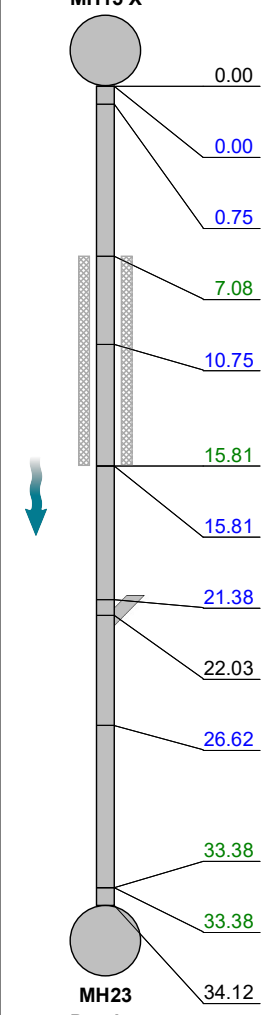
Finish node, manhole, reference: MH15 reached

Section Inspection - 06/05/2025 - MH15 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
18	1	06/05/25	12:17	TS-2645	No Rain Or Snow	No	MH15 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH15 X
Road:	Westmorland Road	Inspected Length:	34.12 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	34.12 m	Downstream Node:	MH23
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:296	Position [m]	Code	Observation	MPEG	Photo	Grade																																																																																				
Depth: m MH15 X  <table><tr><th>Depth [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: MH15 X: UU MH Ref: 2811</td><td>00:00:00</td><td></td><td></td></tr><tr><td>0.00</td><td>WL</td><td>Water level, 5% of the vertical dimension</td><td></td><td></td><td></td></tr><tr><td>0.75</td><td>GP</td><td>General photograph taken at this point</td><td>00:00:07</td><td>1</td><td></td></tr><tr><td>7.08</td><td>S01 DER</td><td>Settled deposits, coarse, 5% cross-sectional area loss, start</td><td>00:05:12</td><td>2</td><td></td></tr><tr><td>10.75</td><td>GP</td><td>General photograph taken at this point</td><td>00:04:49</td><td>3</td><td></td></tr><tr><td>15.81</td><td>F01 DER</td><td>Settled deposits, coarse, 5% cross-sectional area loss, finish</td><td>00:04:14</td><td></td><td>3</td></tr><tr><td>15.81</td><td>WL</td><td>Water level, 20% of the vertical dimension: Water standing in sewer</td><td>00:04:14</td><td>4</td><td></td></tr><tr><td>21.38</td><td>GP</td><td>General photograph taken at this point</td><td>00:03:29</td><td>5</td><td></td></tr><tr><td>22.03</td><td>JN</td><td>Junction at 10 o'clock, 100mm dia, from MH18 X</td><td>00:03:20</td><td>6</td><td></td></tr><tr><td>26.62</td><td>WL</td><td>Water level, 5% of the vertical dimension</td><td>00:02:50</td><td>7</td><td></td></tr><tr><td>33.38</td><td>LR</td><td>Line deviates right</td><td>00:01:56</td><td>8</td><td></td></tr><tr><td>33.38</td><td>LD</td><td>Line deviates down</td><td>00:01:56</td><td></td><td></td></tr><tr><td>34.12</td><td>MHF</td><td>Finish node, manhole, reference: MH23 reached: UU MH Ref: 2807</td><td>00:01:47</td><td>9</td><td></td></tr></table>								Depth [m]	Code	Observation	MPEG	Photo	Grade	0.00	MH	Start node, manhole, reference: MH15 X: UU MH Ref: 2811	00:00:00			0.00	WL	Water level, 5% of the vertical dimension				0.75	GP	General photograph taken at this point	00:00:07	1		7.08	S01 DER	Settled deposits, coarse, 5% cross-sectional area loss, start	00:05:12	2		10.75	GP	General photograph taken at this point	00:04:49	3		15.81	F01 DER	Settled deposits, coarse, 5% cross-sectional area loss, finish	00:04:14		3	15.81	WL	Water level, 20% of the vertical dimension: Water standing in sewer	00:04:14	4		21.38	GP	General photograph taken at this point	00:03:29	5		22.03	JN	Junction at 10 o'clock, 100mm dia, from MH18 X	00:03:20	6		26.62	WL	Water level, 5% of the vertical dimension	00:02:50	7		33.38	LR	Line deviates right	00:01:56	8		33.38	LD	Line deviates down	00:01:56			34.12	MHF	Finish node, manhole, reference: MH23 reached: UU MH Ref: 2807	00:01:47	9	
Depth [m]	Code	Observation	MPEG	Photo	Grade																																																																																						
0.00	MH	Start node, manhole, reference: MH15 X: UU MH Ref: 2811	00:00:00																																																																																								
0.00	WL	Water level, 5% of the vertical dimension																																																																																									
0.75	GP	General photograph taken at this point	00:00:07	1																																																																																							
7.08	S01 DER	Settled deposits, coarse, 5% cross-sectional area loss, start	00:05:12	2																																																																																							
10.75	GP	General photograph taken at this point	00:04:49	3																																																																																							
15.81	F01 DER	Settled deposits, coarse, 5% cross-sectional area loss, finish	00:04:14		3																																																																																						
15.81	WL	Water level, 20% of the vertical dimension: Water standing in sewer	00:04:14	4																																																																																							
21.38	GP	General photograph taken at this point	00:03:29	5																																																																																							
22.03	JN	Junction at 10 o'clock, 100mm dia, from MH18 X	00:03:20	6																																																																																							
26.62	WL	Water level, 5% of the vertical dimension	00:02:50	7																																																																																							
33.38	LR	Line deviates right	00:01:56	8																																																																																							
33.38	LD	Line deviates down	00:01:56																																																																																								
34.12	MHF	Finish node, manhole, reference: MH23 reached: UU MH Ref: 2807	00:01:47	9																																																																																							

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	1	2.0	0.5	18.0	3.0

Section Pictures - 06/05/2025 - MH15 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
18	Downstream	MH15 X	TS-2645	TS-2645



1, 00:00:07, 0.75 m
General photograph taken at this point



2, 00:05:12, 7.08 m
Settled deposits, coarse, 5% cross-sectional area loss, start



3, 00:04:49, 10.75 m
General photograph taken at this point



4, 00:04:14, 15.81 m
Water level, 20% of the vertical dimension, Water standing in sewer

Section Pictures - 06/05/2025 - MH15 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
18	Downstream	MH15 X	TS-2645	TS-2645



5, 00:03:29, 21.38 m
General photograph taken at this point



6, 00:03:20, 22.03 m
Junction at 10 o'clock, 100mm dia, from MH18 X



7, 00:02:50, 26.62 m
Water level, 5% of the vertical dimension



8, 00:01:56, 33.38 m
Line deviates right

Section Pictures - 06/05/2025 - MH15 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
18	Downstream	MH15 X	TS-2645	TS-2645



15:19:56 28-APR-2025 34.12m

9, 00:01:47, 34.12 m

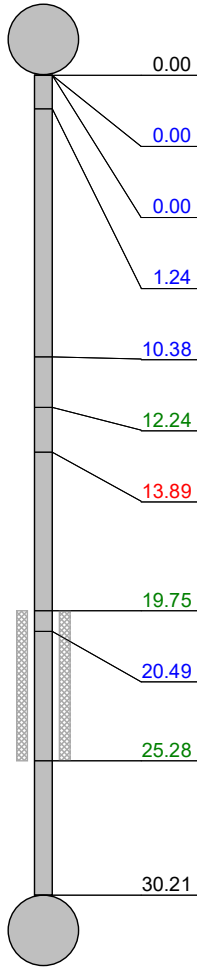
Finish node, manhole, reference: MH23 reached, UU MH Ref:
2807

Section Inspection - 06/05/2025 - MH16 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
19	1	06/05/25	12:18	TS-2645	No Rain Or Snow	No	MH16 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH16 X
Road:	Westmorland Road	Inspected Length:	30.21 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	30.21 m	Downstream Node:	MH25
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:262	Position [m]	Code	Observation	MPEG	Photo	Grade																																																																								
Depth: m MH16 X  <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: MH16 X: UU MH Ref: 2805</td><td>00:00:00</td><td></td><td></td></tr><tr><td>0.00</td><td>WL</td><td>Water level, 5% of the vertical dimension</td><td></td><td></td><td></td></tr><tr><td>0.00</td><td>REM</td><td>General remark: Vision limited due to steam</td><td>00:00:07</td><td></td><td></td></tr><tr><td>1.24</td><td>GP</td><td>General photograph taken at this point</td><td>00:00:07</td><td>1</td><td></td></tr><tr><td>10.38</td><td>GP</td><td>General photograph taken at this point</td><td>00:00:42</td><td>2</td><td></td></tr><tr><td>12.24</td><td>RMJ</td><td>Roots, mass at joint, 5% cross-sectional area loss</td><td>00:00:52</td><td>3</td><td>3</td></tr><tr><td>13.89</td><td>CCJ</td><td>Crack, circumferential at joint from 8 o'clock to 10 o'clock</td><td>00:01:03</td><td>4</td><td>2 / 2</td></tr><tr><td>19.75</td><td>S01 RMJ</td><td>Roots, mass at joint, 5% cross-sectional area loss, start</td><td>00:01:33</td><td>5</td><td></td></tr><tr><td>20.49</td><td>GP</td><td>General photograph taken at this point</td><td>00:01:36</td><td>6</td><td></td></tr><tr><td>25.28</td><td>F01 RMJ</td><td>Roots, mass at joint, 5% cross-sectional area loss, finish</td><td>00:01:59</td><td>7</td><td>3</td></tr><tr><td>30.21</td><td>MHF</td><td>Finish node, manhole, reference: MH25 reached: UU MH Ref: 2806</td><td>00:02:29</td><td>8</td><td></td></tr></table> Depth: m MH25								Position [m]	Code	Observation	MPEG	Photo	Grade	0.00	MH	Start node, manhole, reference: MH16 X: UU MH Ref: 2805	00:00:00			0.00	WL	Water level, 5% of the vertical dimension				0.00	REM	General remark: Vision limited due to steam	00:00:07			1.24	GP	General photograph taken at this point	00:00:07	1		10.38	GP	General photograph taken at this point	00:00:42	2		12.24	RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:00:52	3	3	13.89	CCJ	Crack, circumferential at joint from 8 o'clock to 10 o'clock	00:01:03	4	2 / 2	19.75	S01 RMJ	Roots, mass at joint, 5% cross-sectional area loss, start	00:01:33	5		20.49	GP	General photograph taken at this point	00:01:36	6		25.28	F01 RMJ	Roots, mass at joint, 5% cross-sectional area loss, finish	00:01:59	7	3	30.21	MHF	Finish node, manhole, reference: MH25 reached: UU MH Ref: 2806	00:02:29	8	
Position [m]	Code	Observation	MPEG	Photo	Grade																																																																										
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25.28	F01 RMJ	Roots, mass at joint, 5% cross-sectional area loss, finish	00:01:59	7	3																																																																										
30.21	MHF	Finish node, manhole, reference: MH25 reached: UU MH Ref: 2806	00:02:29	8																																																																											

Construction Features

Miscellaneous Features

Structural Defects

Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	10.0	0.3	10.0	2.0	3	4.0	1.0	29.0	3.0

Section Pictures - 06/05/2025 - MH16 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
19	Downstream	MH16 X	TS-2645	TS-2645



1, 00:00:07, 1.24 m
General photograph taken at this point



2, 00:00:42, 10.38 m
General photograph taken at this point



3, 00:00:52, 12.24 m
Roots, mass at joint, 5% cross-sectional area loss



4, 00:01:03, 13.89 m
Crack, circumferential at joint from 8 o'clock to 10 o'clock

Section Pictures - 06/05/2025 - MH16 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
19	Downstream	MH16 X	TS-2645	TS-2645



5, 00:01:33, 19.75 m
Roots, mass at joint, 5% cross-sectional area loss, start



6, 00:01:36, 20.49 m
General photograph taken at this point



7, 00:01:59, 25.28 m
Roots, mass at joint, 5% cross-sectional area loss, finish



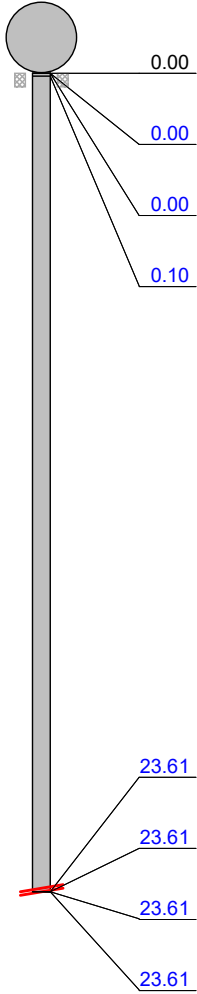
8, 00:02:29, 30.21 m
Finish node, manhole, reference: MH25 reached, UU MH Ref: 2806

Section Inspection - 06/05/2025 - MH17 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
20	1	06/05/25	12:31	TS-2645	No Rain Or Snow	Yes	MH17 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH17 X
Road:	Westmorland Road	Inspected Length:	23.61 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	23.61 m	Downstream Node:	UNKNOWN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:205	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH17 X 							
	0.00	MH		Start node, manhole, reference: MH17 X	00:00:00		
	0.00	WL		Water level, 50% of the vertical dimension: Water standing in sewer			
	0.00	GP		General photograph taken at this point	00:00:01	1	
	0.10	S01	CUW	Loss of vision, camera under water, start	00:00:01		
	23.61	REM		General remark: Unknown obstruction at this point	00:01:11		
	23.61	REM		General remark: Unable to remove unknown obstruction at this point via jetting	00:01:11		
	23.61	REM		General remark: Vision not regained, pipe flooded at this point	00:01:11		
	23.61	SA		Survey abandoned: Unable to pass unknown obstruction at this point	00:01:11		

Construction Features

Miscellaneous Features

Structural Defects

Service & Operational Observations

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

Section Pictures - 06/05/2025 - MH17 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
20	Downstream	MH17 X	TS-2645	TS-2645



1, 00:00:01, 0.00 m

General photograph taken at this point

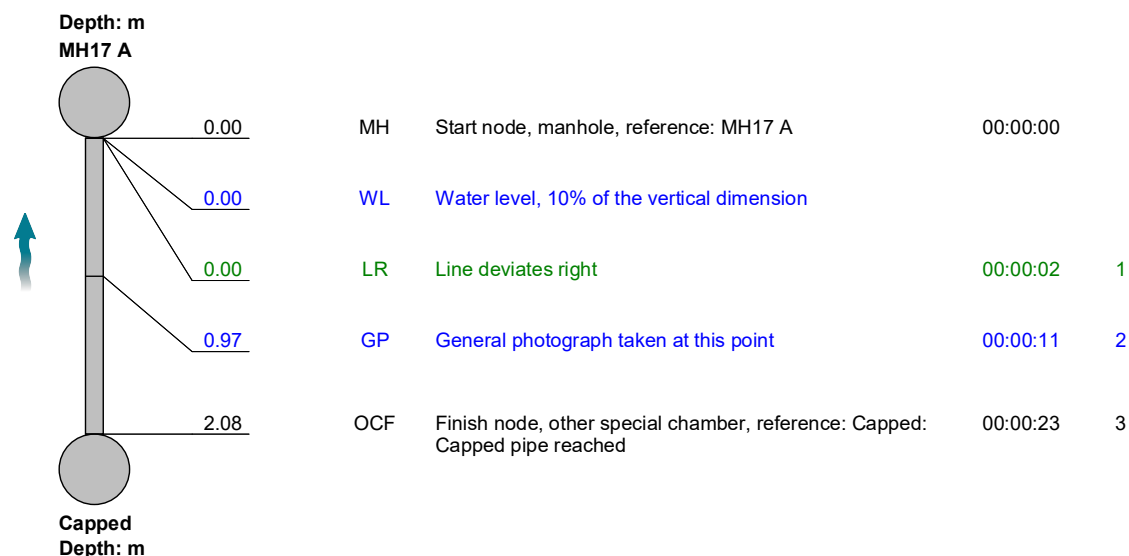
Section Inspection - 06/05/2025 - Capped

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
21	1	06/05/25	12:31	TS-2645	No Rain Or Snow	Yes	CAPPED
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	CAPPED
Road:	Westmorland Road	Inspected Length:	2.08 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	2.08 m	Downstream Node:	MH17 A
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe 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



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 - 06/05/2025 - Capped

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
21	Upstream	CAPPED	TS-2645	TS-2645



1, 00:00:02, 0.00 m
Line deviates right



2, 00:00:11, 0.97 m
General photograph taken at this point



3, 00:00:23, 2.08 m
Finish node, other special chamber, reference: Capped,
Capped pipe reached

Section Pictures - 06/05/2025 - MH18 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
22	Downstream	MH18 X	TS-2645	TS-2645



1, 00:00:01, 0.00 m
General photograph taken at this point



2, 00:00:05, 0.24 m
Joint displaced, medium



3, 00:00:13, 0.50 m
Line deviates left



4, 00:00:18, 1.03 m
General photograph taken at this point

Section Pictures - 06/05/2025 - MH18 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
22	Downstream	MH18 X	TS-2645	TS-2645



5, 00:00:39, 6.01 m
General photograph taken at this point



6, 00:00:53, 8.95 m
Line deviates down



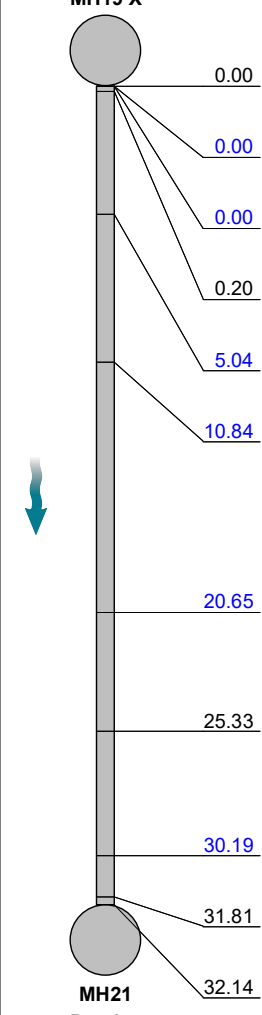
7, 00:00:59, 9.31 m
Finish node, major connection without manhole, reference:
Main public sewer between MH15 and MH23 reached

Section Inspection - 06/05/2025 - MH19 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
23	1	06/05/25	12:29	TS-2645	No Rain Or Snow	No	MH19 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH19 X
Road:	Westmorland Road	Inspected Length:	32.14 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	32.14 m	Downstream Node:	MH21
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:279	Position [m]	Code	Observation	MPEG	Photo	Grade																																																																		
Depth: m MH19 X  <table><tr><td>0.00</td><td>MH</td><td>Start node, manhole, reference: MH19 X</td><td>00:00:00</td><td></td><td></td></tr><tr><td>0.00</td><td>WL</td><td>Water level, 5% of the vertical dimension</td><td></td><td></td><td></td></tr><tr><td>0.00</td><td>REM</td><td>General remark: Vision limited due to steam</td><td>00:01:11</td><td></td><td></td></tr><tr><td>0.20</td><td>MCPF</td><td>Pipe material changes to pitch fibre at this point</td><td>00:00:06</td><td>1</td><td></td></tr><tr><td>5.04</td><td>GP</td><td>General photograph taken at this point</td><td>00:05:24</td><td>2</td><td></td></tr><tr><td>10.84</td><td>GP</td><td>General photograph taken at this point</td><td>00:04:41</td><td>3</td><td></td></tr><tr><td>20.65</td><td>GP</td><td>General photograph taken at this point</td><td>00:03:11</td><td>4</td><td></td></tr><tr><td>25.33</td><td>MCVC</td><td>Pipe material changes to vitrified clay at this point</td><td>00:02:34</td><td>5</td><td></td></tr><tr><td>30.19</td><td>GP</td><td>General photograph taken at this point</td><td>00:01:57</td><td>6</td><td></td></tr><tr><td>31.81</td><td>JN</td><td>Junction at 6 o'clock, 150mm dia: External Backdrop</td><td>00:01:31</td><td>7</td><td></td></tr><tr><td>32.14</td><td>BRF</td><td>Finish node, major connection without manhole, reference: MH21 reached</td><td>00:01:11</td><td>8</td><td></td></tr></table>								0.00	MH	Start node, manhole, reference: MH19 X	00:00:00			0.00	WL	Water level, 5% of the vertical dimension				0.00	REM	General remark: Vision limited due to steam	00:01:11			0.20	MCPF	Pipe material changes to pitch fibre at this point	00:00:06	1		5.04	GP	General photograph taken at this point	00:05:24	2		10.84	GP	General photograph taken at this point	00:04:41	3		20.65	GP	General photograph taken at this point	00:03:11	4		25.33	MCVC	Pipe material changes to vitrified clay at this point	00:02:34	5		30.19	GP	General photograph taken at this point	00:01:57	6		31.81	JN	Junction at 6 o'clock, 150mm dia: External Backdrop	00:01:31	7		32.14	BRF	Finish node, major connection without manhole, reference: MH21 reached	00:01:11	8	
0.00	MH	Start node, manhole, reference: MH19 X	00:00:00																																																																						
0.00	WL	Water level, 5% of the vertical dimension																																																																							
0.00	REM	General remark: Vision limited due to steam	00:01:11																																																																						
0.20	MCPF	Pipe material changes to pitch fibre at this point	00:00:06	1																																																																					
5.04	GP	General photograph taken at this point	00:05:24	2																																																																					
10.84	GP	General photograph taken at this point	00:04:41	3																																																																					
20.65	GP	General photograph taken at this point	00:03:11	4																																																																					
25.33	MCVC	Pipe material changes to vitrified clay at this point	00:02:34	5																																																																					
30.19	GP	General photograph taken at this point	00:01:57	6																																																																					
31.81	JN	Junction at 6 o'clock, 150mm dia: External Backdrop	00:01:31	7																																																																					
32.14	BRF	Finish node, major connection without manhole, reference: MH21 reached	00:01:11	8																																																																					

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	80.0	2.5	80.0	4.0	1	2.0	0.1	2.0	3.0

Section Pictures - 06/05/2025 - MH19 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
23	Downstream	MH19 X	TS-2645	TS-2645



07:44:19 29-APR-2025 0.20m
1, 00:00:06, 0.20 m
Pipe material changes to pitch fibre at this point



07:49:36 29-APR-2025 5.04m
2, 00:05:24, 5.04 m
General photograph taken at this point



07:46:54 29-APR-2025 10.84m
3, 00:04:41, 10.84 m
General photograph taken at this point



07:47:23 29-APR-2025 20.65m
4, 00:03:11, 20.65 m
General photograph taken at this point

Section Pictures - 06/05/2025 - MH19 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
23	Downstream	MH19 X	TS-2645	TS-2645



5, 00:02:34, 25.33 m
Pipe material changes to vitrified clay at this point



6, 00:01:57, 30.19 m
General photograph taken at this point



7, 00:01:31, 31.81 m
Junction at 6 o'clock, 150mm dia, External Backdrop



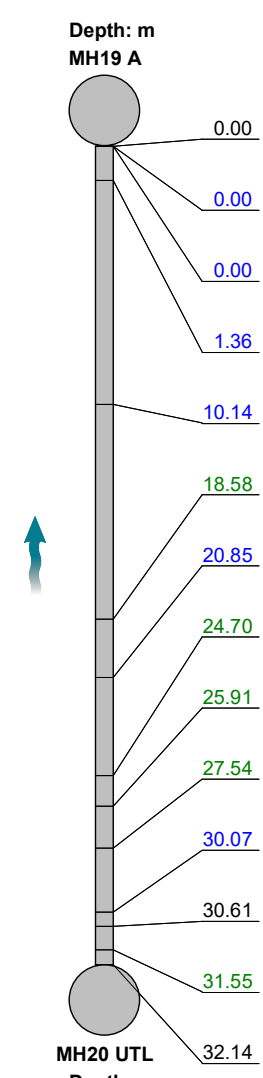
8, 00:01:11, 32.14 m
Finish node, major connection without manhole, reference:
MH21 reached

Section Inspection - 06/05/2025 - MH20 UTL

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
24	1	06/05/25	12:19	TS-2645	No Rain Or Snow	No	MH20 UTL
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	MH20 UTL
Road:	Westmorland Road	Inspected Length:	32.14 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	32.14 m	Downstream Node:	MH19 A
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Pitch fibre		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:279	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH19 A 						
	0.00	MH	Start node, manhole, reference: MH19 A	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	0.00	REM	General remark: Vision limited due to steam	00:00:10		
	1.36	GP	General photograph taken at this point	00:00:10	1	
	10.14	GP	General photograph taken at this point	00:00:48	2	
	18.58	RMJ	Roots, mass at joint, 75% cross-sectional area loss	00:01:21	3	5
	20.85	GP	General photograph taken at this point	00:01:32	4	
	24.70	RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:01:48	5	3
	25.91	RMJ	Roots, mass at joint, 10% cross-sectional area loss	00:01:55	6	3
	27.54	RMJ	Roots, mass at joint, 20% cross-sectional area loss	00:02:06	7	5
	30.07	GP	General photograph taken at this point	00:02:28	8	
	30.61	MCVC	Pipe material changes to vitrified clay at this point	00:02:30	9	
	31.55	RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:02:40	10	3
	32.14	MHF	Finish node, manhole, reference: MH20 UTL (Buried MH) reached	00:02:45	11	

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	5	15.0	1.2	37.0	5.0

Section Pictures - 06/05/2025 - MH20 UTL

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
24	Upstream	MH20 UTL	TS-2645	TS-2645



1, 00:00:10, 1.36 m
General photograph taken at this point



2, 00:00:48, 10.14 m
General photograph taken at this point



3, 00:01:21, 18.58 m
Roots, mass at joint, 75% cross-sectional area loss



4, 00:01:32, 20.85 m
General photograph taken at this point

Section Pictures - 06/05/2025 - MH20 UTL

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
24	Upstream	MH20 UTL	TS-2645	TS-2645



5, 00:01:48, 24.70 m
Roots, mass at joint, 5% cross-sectional area loss



6, 00:01:55, 25.91 m
Roots, mass at joint, 10% cross-sectional area loss



7, 00:02:06, 27.54 m
Roots, mass at joint, 20% cross-sectional area loss



8, 00:02:28, 30.07 m
General photograph taken at this point

Section Pictures - 06/05/2025 - MH20 UTL

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
24	Upstream	MH20 UTL	TS-2645	TS-2645



9, 00:02:30, 30.61 m
Pipe material changes to vitrified clay at this point



10, 00:02:40, 31.55 m
Roots, mass at joint, 5% cross-sectional area loss



11, 00:02:45, 32.14 m
Finish node, manhole, reference: MH20 UTL (Buried MH)
reached

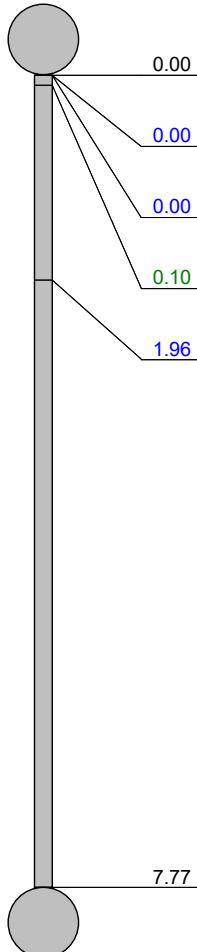
Section Inspection - 06/05/2025 - MH21 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
25	1	06/05/25	12:20	TS-2645	No Rain Or Snow	No	MH21 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH21 X
Road:	Westmorland Road	Inspected Length:	7.77 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	7.77 m	Downstream Node:	MH22
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:68	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH21 X  0.00 0.00 0.00 0.10 1.96 7.77 MH Start node, manhole, reference: MH21 X 00:00:00 WL Water level, 5% of the vertical dimension REM General remark: Vision limited due to steam 00:01:38 RMJ Roots, mass at joint, 10% cross-sectional area loss 00:02:45 1 3 GP General photograph taken at this point 00:02:09 2 MHF Finish node, manhole, reference: MH22 reached: UU MH Ref: 1901 00:01:38 3							

Section Pictures - 06/05/2025 - MH21 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
25	Downstream	MH21 X	TS-2645	TS-2645



1, 00:02:45, 0.10 m
Roots, mass at joint, 10% cross-sectional area loss



2, 00:02:09, 1.96 m
General photograph taken at this point



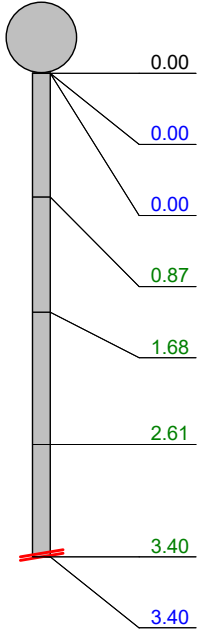
3, 00:01:38, 7.77 m
Finish node, manhole, reference: MH22 reached, UU MH Ref: 1901

Section Inspection - 06/05/2025 - MH23 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
26	1	06/05/25	12:20	TS-2645	No Rain Or Snow	No	MH23 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH23 X
Road:	Westmorland Road	Inspected Length:	3.40 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	3.40 m	Downstream Node:	MH27
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Pipe 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 MH23 X 							
		0.00	MH	Start node, manhole, reference: MH23 X: UU MH Ref: 2807	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension			
		0.00	GP	General photograph taken at this point	00:00:04	1	
		0.87	RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:00:10	2	3
		1.68	RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:00:14	3	3
		2.61	RMJ	Roots, mass at joint, 10% cross-sectional area loss	00:00:21	4	3
		3.40	RMJ	Roots, mass at joint, 60% cross-sectional area loss	00:00:28	5	5
		3.40	SA	Survey abandoned: Unable to pass mass roots	00:00:28		

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	4	15.0	7.9	27.0	5.0

Section Pictures - 06/05/2025 - MH23 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
26	Downstream	MH23 X	TS-2645	TS-2645



1, 00:00:04, 0.00 m
General photograph taken at this point



2, 00:00:10, 0.87 m
Roots, mass at joint, 5% cross-sectional area loss



3, 00:00:14, 1.68 m
Roots, mass at joint, 5% cross-sectional area loss



4, 00:00:21, 2.61 m
Roots, mass at joint, 10% cross-sectional area loss

Section Pictures - 06/05/2025 - MH23 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
26	Downstream	MH23 X	TS-2645	TS-2645



09:56:57 29-APR-2025 3.40m

5, 00:00:28, 3.40 m

Roots, mass at joint, 60% cross-sectional area loss

Section Inspection - 06/05/2025 - Gully

Item No. 27	Insp. No. 1	Date 06/05/25	Time 12:20	Client's Job Ref TS-2645	Weather No Rain Or Snow	Pre Cleaned No	PLR GULLY
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	Westmorland Road	Inspected Length:	5.89 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	5.89 m	Downstream Node:	MH23 A
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water		Pipe Shape:	Circular	
Type of Pipe:	Gravity drain/sewer		Dia/Height:	150 mm	
Flow Control:	No flow control		Pipe Material:	Vitrified clay	
Year Constructed:	Not Specified		Lining Type:	No Lining	
Inspection Purpose:	Routine inspection		Lining Material:	No Lining	

Comments:

Recommendations:

Scale:	1:51	Position [m]	Code	Observation	MPEG	Photo	Grade																																																								
Depth: m MH23 A Gully Depth: m <table><tr><td>MH</td><td>0.00</td><td>Start node, manhole, reference: MH23 A: UU MH Ref: 2704</td><td>00:00:00</td><td></td><td></td><td></td></tr><tr><td>WL</td><td>0.00</td><td>Water level, 5% of the vertical dimension</td><td></td><td></td><td></td><td></td></tr><tr><td>JDM</td><td>0.21</td><td>Joint displaced, medium</td><td>00:00:06</td><td>1</td><td>1 / 3</td><td></td></tr><tr><td>GP</td><td>1.87</td><td>General photograph taken at this point</td><td>00:00:17</td><td>2</td><td></td><td></td></tr><tr><td>CXI</td><td>4.09</td><td>Connection defective, connecting pipe is intruding at 10 o'clock, 100mm dia, intrusion: 20%</td><td>00:00:36</td><td>3</td><td>4</td><td></td></tr><tr><td>FMJ</td><td>4.62</td><td>Fractures, multiple at joint from 7 o'clock to 1 o'clock</td><td>00:00:41</td><td>4</td><td>4 / 2</td><td></td></tr><tr><td>LR</td><td>4.62</td><td>Line deviates right</td><td>00:00:41</td><td></td><td></td><td></td></tr><tr><td>GYF</td><td>5.89</td><td>Finish node, gully, reference: Gully reached</td><td>00:00:52</td><td>5</td><td></td><td></td></tr></table>								MH	0.00	Start node, manhole, reference: MH23 A: UU MH Ref: 2704	00:00:00				WL	0.00	Water level, 5% of the vertical dimension					JDM	0.21	Joint displaced, medium	00:00:06	1	1 / 3		GP	1.87	General photograph taken at this point	00:00:17	2			CXI	4.09	Connection defective, connecting pipe is intruding at 10 o'clock, 100mm dia, intrusion: 20%	00:00:36	3	4		FMJ	4.62	Fractures, multiple at joint from 7 o'clock to 1 o'clock	00:00:41	4	4 / 2		LR	4.62	Line deviates right	00:00:41				GYF	5.89	Finish node, gully, reference: Gully reached	00:00:52	5		
MH	0.00	Start node, manhole, reference: MH23 A: UU MH Ref: 2704	00:00:00																																																												
WL	0.00	Water level, 5% of the vertical dimension																																																													
JDM	0.21	Joint displaced, medium	00:00:06	1	1 / 3																																																										
GP	1.87	General photograph taken at this point	00:00:17	2																																																											
CXI	4.09	Connection defective, connecting pipe is intruding at 10 o'clock, 100mm dia, intrusion: 20%	00:00:36	3	4																																																										
FMJ	4.62	Fractures, multiple at joint from 7 o'clock to 1 o'clock	00:00:41	4	4 / 2																																																										
LR	4.62	Line deviates right	00:00:41																																																												
GYF	5.89	Finish node, gully, reference: Gully reached	00:00:52	5																																																											

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	80.0	13.8	81.0	4.0	3	5.0	1.4	8.0	4.0

Section Pictures - 06/05/2025 - Gully

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
27	Upstream	GULLY	TS-2645	TS-2645



1, 00:00:06, 0.21 m
Joint displaced, medium



2, 00:00:17, 1.87 m
General photograph taken at this point



3, 00:00:36, 4.09 m
Connection defective, connecting pipe is intruding at 10 o'clock, 100mm dia, intrusion: 20%



4, 00:00:41, 4.62 m
Fractures, multiple at joint from 7 o'clock to 1 o'clock

Section Pictures - 06/05/2025 - Gully

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
27	Upstream	GULLY	TS-2645	TS-2645



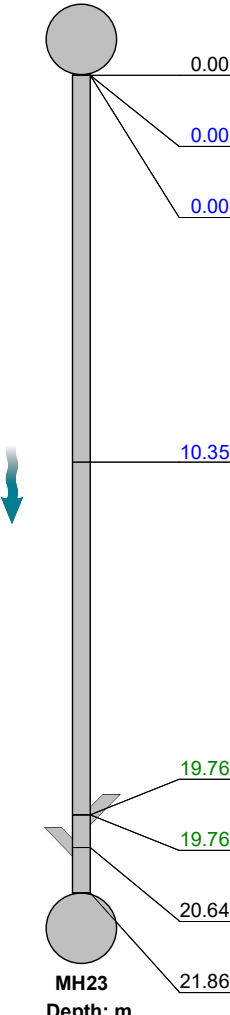
5, 00:00:52, 5.89 m
Finish node, gully, reference: Gully reached

Section Inspection - 06/05/2025 - MH24 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
28	1	06/05/25	12:29	TS-2645	No Rain Or Snow	No	MH24 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH24 X
Road:	Westmorland Road	Inspected Length:	21.86 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	21.86 m	Downstream Node:	MH23
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:190	Position [m]	Code	Observation	MPEG	Photo	Grade																																																						
Depth: m MH24 X  <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: MH24 X</td><td>00:00:00</td><td></td><td></td></tr><tr><td>0.00</td><td>WL</td><td>Water level, 5% of the vertical dimension</td><td></td><td></td><td></td></tr><tr><td>0.00</td><td>GP</td><td>General photograph taken at this point</td><td>00:00:01</td><td>1</td><td></td></tr><tr><td>10.35</td><td>GP</td><td>General photograph taken at this point</td><td>00:00:45</td><td>2</td><td></td></tr><tr><td>19.76</td><td>CXI</td><td>Connection defective, connecting pipe is intruding at 10 o'clock, 100mm dia, intrusion: 5%</td><td>00:01:24</td><td>3</td><td>3</td></tr><tr><td>19.76</td><td>RM</td><td>Roots, mass, 5% cross-sectional area loss: Intruding via connection</td><td>00:01:24</td><td>4</td><td>3</td></tr><tr><td>20.64</td><td>JN</td><td>Junction at 2 o'clock, 150mm dia</td><td>00:01:33</td><td>5</td><td></td></tr><tr><td>21.86</td><td>MHF</td><td>Finish node, manhole, reference: MH23 reached: UU MH Ref: 2807</td><td>00:01:43</td><td>6</td><td></td></tr></table>								Position [m]	Code	Observation	MPEG	Photo	Grade	0.00	MH	Start node, manhole, reference: MH24 X	00:00:00			0.00	WL	Water level, 5% of the vertical dimension				0.00	GP	General photograph taken at this point	00:00:01	1		10.35	GP	General photograph taken at this point	00:00:45	2		19.76	CXI	Connection defective, connecting pipe is intruding at 10 o'clock, 100mm dia, intrusion: 5%	00:01:24	3	3	19.76	RM	Roots, mass, 5% cross-sectional area loss: Intruding via connection	00:01:24	4	3	20.64	JN	Junction at 2 o'clock, 150mm dia	00:01:33	5		21.86	MHF	Finish node, manhole, reference: MH23 reached: UU MH Ref: 2807	00:01:43	6	
Position [m]	Code	Observation	MPEG	Photo	Grade																																																								
0.00	MH	Start node, manhole, reference: MH24 X	00:00:00																																																										
0.00	WL	Water level, 5% of the vertical dimension																																																											
0.00	GP	General photograph taken at this point	00:00:01	1																																																									
10.35	GP	General photograph taken at this point	00:00:45	2																																																									
19.76	CXI	Connection defective, connecting pipe is intruding at 10 o'clock, 100mm dia, intrusion: 5%	00:01:24	3	3																																																								
19.76	RM	Roots, mass, 5% cross-sectional area loss: Intruding via connection	00:01:24	4	3																																																								
20.64	JN	Junction at 2 o'clock, 150mm dia	00:01:33	5																																																									
21.86	MHF	Finish node, manhole, reference: MH23 reached: UU MH Ref: 2807	00:01:43	6																																																									

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	6.0	0.3	6.0	4.0

Section Pictures - 06/05/2025 - MH24 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
28	Downstream	MH24 X	TS-2645	TS-2645



1, 00:00:01, 0.00 m
General photograph taken at this point



2, 00:00:45, 10.35 m
General photograph taken at this point



3, 00:01:24, 19.76 m
Connection defective, connecting pipe is intruding at 10 o'clock, 100mm dia, intrusion: 5%



4, 00:01:24, 19.76 m
Roots, mass, 5% cross-sectional area loss, Intruding via connection

Section Pictures - 06/05/2025 - MH24 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
28	Downstream	MH24 X	TS-2645	TS-2645



5, 00:01:33, 20.64 m
Junction at 2 o'clock, 150mm dia



6, 00:01:43, 21.86 m
Finish node, manhole, reference: MH23 reached, UU MH Ref: 2807

Section Inspection - 06/05/2025 - Gully1 X

Item No. 29	Insp. No. 1	Date 06/05/25	Time 12:31	Client's Job Ref TS-2645	Weather No Rain Or Snow	Pre Cleaned Yes	PLR GULLY1 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	GULLY1 X
Road:	Westmorland Road	Inspected Length:	20.47 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	20.47 m	Downstream Node:	MH24
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:178	Position [m]	Code	Observation	MPEG	Photo	Grade	
Depth: m Gully1 X 0.00 0.00 0.41 5.57 5.63 5.63 6.20 7.36 12.98 15.16 18.26 19.16 19.16 20.47 MH24 Depth: m								
		0.00	GY	Start node, gully, reference: Gully1 X	00:00:00			
		0.00	WL	Water level, 5% of the vertical dimension				
		0.41	GP	General photograph taken at this point	00:03:17	1		
		5.57	S01	DEC	Settled deposits, hard or compacted, 10% cross-sectional area loss, start: Solid set debris remained in sewer following jetting	00:02:44	2	
		5.63	LL	Line deviates left	00:02:18	3		
		5.63	JDM	Joint displaced, medium	00:02:18	4	1 / 3	
		6.20	JN	Junction at 3 o'clock, 150mm dia	00:02:15	5		
		7.36	C01	DEC	Settled deposits, hard or compacted, 25% cross-sectional area loss, change: Solid set debris remained in sewer following jetting	00:01:58	6	
		12.98	F01	DEC	Settled deposits, hard or compacted, 25% cross-sectional area loss, finish: Solid set debris remained in sewer following jetting	00:01:23	7	3
		15.16	JN	Junction at 2 o'clock, 150mm dia	00:01:02	8		
		18.26	LR	Line deviates right	00:00:29	9		
	19.16	LL	Line deviates left	00:00:20	10			
	19.16	OJM	Open joint, medium	00:00:20	11	1		
	20.47	MHF	Finish node, manhole, reference: MH24 reached	00:00:06	12			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
2	1.0	0.1	2.0	1.0	2	4.0	0.9	18.0	3.0

Section Pictures - 06/05/2025 - Gully1 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
29	Downstream	GULLY1 X	TS-2645	TS-2645



1, 00:03:17, 0.41 m
General photograph taken at this point



2, 00:02:44, 5.57 m
Settled deposits, hard or compacted, 10% cross-sectional area loss, start, Solid set debris remained in sewer following jetting



3, 00:02:18, 5.63 m
Line deviates left



4, 00:02:18, 5.63 m
Joint displaced, medium

Section Pictures - 06/05/2025 - Gully1 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
29	Downstream	GULLY1 X	TS-2645	TS-2645



5, 00:02:15, 6.20 m
Junction at 3 o'clock, 150mm dia



6, 00:01:58, 7.36 m
Settled deposits, hard or compacted, 25% cross-sectional area loss, change, Solid set debris remained in sewer following jetting



7, 00:01:23, 12.98 m
Settled deposits, hard or compacted, 25% cross-sectional area loss, finish, Solid set debris remained in sewer following jetting



8, 00:01:02, 15.16 m
Junction at 2 o'clock, 150mm dia

Section Pictures - 06/05/2025 - Gully1 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
29	Downstream	GULLY1 X	TS-2645	TS-2645



9, 00:00:29, 18.26 m
Line deviates right



10, 00:00:20, 19.16 m
Line deviates left



11, 00:00:20, 19.16 m
Open joint, medium



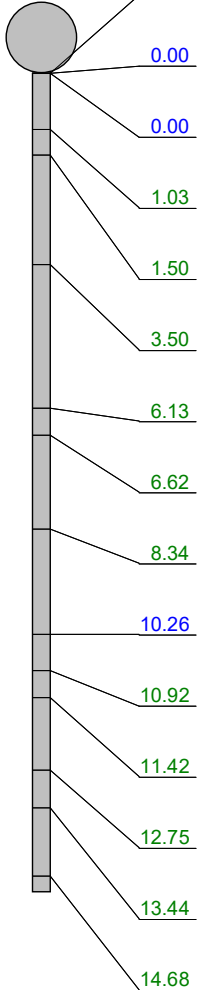
12, 00:00:06, 20.47 m
Finish node, manhole, reference: MH24 reached

Section Inspection - 06/05/2025 - MH25 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
30	1	06/05/25	12:21	TS-2645	No Rain Or Snow	No	MH25 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH25 X
Road:	Westmorland Road	Inspected Length:	27.16 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	27.16 m	Downstream Node:	MH26
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:130	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH25 X 						
	0.00	MH	Start node, manhole, reference: MH25 X: UU MH Ref: 2806	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	0.00	GP	General photograph taken at this point	00:00:03	1	
	1.03	RFJ	Roots, fine at joint	00:00:08	2	2
	1.50	RFJ	Roots, fine at joint	00:00:13	3	2
	3.50	RMJ	Roots, mass at joint, 10% cross-sectional area loss	00:00:24	4	3
	6.13	RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:00:47	5	3
	6.62	RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:00:54	6	3
	8.34	RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:01:03	7	3
	10.26	GP	General photograph taken at this point	00:01:14	8	
	10.92	RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:01:20	9	3
	11.42	RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:01:22	10	3
	12.75	RFJ	Roots, fine at joint	00:01:27	11	2
	13.44	RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:01:31	12	3
	14.68	RFJ	Roots, fine at joint	00:01:36	13	2

Section Inspection - 06/05/2025 - MH25 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
30	1	06/05/25	12:21	TS-2645	No Rain Or Snow	No	MH25 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Scale:	1:130	Position [m]	Code	Observation	MPEG	Photo	Grade
		15.26	RFJ	Roots, fine at joint	00:01:42	14	2
		15.85	RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:01:46	15	3
		19.01	RMJ	Roots, mass at joint, 10% cross-sectional area loss	00:01:59	16	3
		20.24	GP	General photograph taken at this point	00:02:06	17	
		25.31	GP	General photograph taken at this point	00:02:29	18	
		27.16	MHF	Finish node, manhole, reference: MH26 reached: UU MH Ref: 2907	00:02:41	19	

MH26
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	14	4.0	1.5	41.0	3.0

Section Pictures - 06/05/2025 - MH25 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
30	Downstream	MH25 X	TS-2645	TS-2645



1, 00:00:03, 0.00 m
General photograph taken at this point



2, 00:00:08, 1.03 m
Roots, fine at joint



3, 00:00:13, 1.50 m
Roots, fine at joint



4, 00:00:24, 3.50 m
Roots, mass at joint, 10% cross-sectional area loss

Section Pictures - 06/05/2025 - MH25 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
30	Downstream	MH25 X	TS-2645	TS-2645



5, 00:00:47, 6.13 m
Roots, mass at joint, 5% cross-sectional area loss



6, 00:00:54, 6.62 m
Roots, mass at joint, 5% cross-sectional area loss



7, 00:01:03, 8.34 m
Roots, mass at joint, 5% cross-sectional area loss



8, 00:01:14, 10.26 m
General photograph taken at this point

Section Pictures - 06/05/2025 - MH25 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
30	Downstream	MH25 X	TS-2645	TS-2645



9, 00:01:20, 10.92 m
Roots, mass at joint, 5% cross-sectional area loss



10, 00:01:22, 11.42 m
Roots, mass at joint, 5% cross-sectional area loss



11, 00:01:27, 12.75 m
Roots, fine at joint



12, 00:01:31, 13.44 m
Roots, mass at joint, 5% cross-sectional area loss

Section Pictures - 06/05/2025 - MH25 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
30	Downstream	MH25 X	TS-2645	TS-2645



13, 00:01:36, 14.68 m
Roots, fine at joint



14, 00:01:42, 15.26 m
Roots, fine at joint



15, 00:01:46, 15.85 m
Roots, mass at joint, 5% cross-sectional area loss



16, 00:01:59, 19.01 m
Roots, mass at joint, 10% cross-sectional area loss

Section Pictures - 06/05/2025 - MH25 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
30	Downstream	MH25 X	TS-2645	TS-2645



17, 00:02:06, 20.24 m
General photograph taken at this point



18, 00:02:29, 25.31 m
General photograph taken at this point



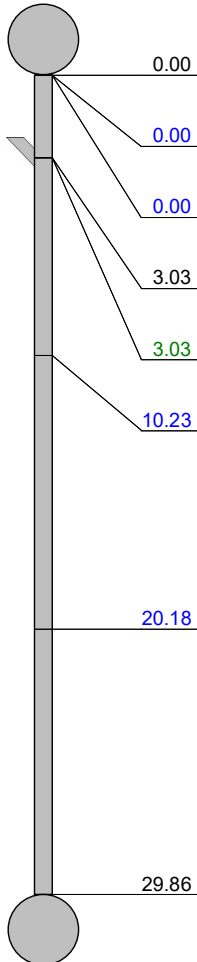
19, 00:02:41, 27.16 m
Finish node, manhole, reference: MH26 reached, UU MH Ref: 2907

Section Inspection - 06/05/2025 - MH26 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
31	1	06/05/25	12:21	TS-2645	No Rain Or Snow	No	MH26 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH26 X
Road:	Westmorland Road	Inspected Length:	29.86 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	29.86 m	Downstream Node:	MH
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:259	Position [m]	Code	Observation	MPEG	Photo	Grade																																																						
Depth: m MH26 X  Depth: m MH <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: MH26 X: UU MH Ref: 2907</td><td>00:00:00</td><td></td><td></td></tr><tr><td>0.00</td><td>WL</td><td>Water level, 5% of the vertical dimension</td><td></td><td></td><td></td></tr><tr><td>0.00</td><td>GP</td><td>General photograph taken at this point</td><td>00:00:02</td><td>1</td><td></td></tr><tr><td>3.03</td><td>JN</td><td>Junction at 2 o'clock, 100mm dia</td><td>00:00:26</td><td>2</td><td></td></tr><tr><td>3.03</td><td>DEG</td><td>Attached deposits, grease from 8 o'clock to 4 o'clock, 10% cross-sectional area loss</td><td>00:00:26</td><td>3</td><td>3</td></tr><tr><td>10.23</td><td>GP</td><td>General photograph taken at this point</td><td>00:00:57</td><td>4</td><td></td></tr><tr><td>20.18</td><td>GP</td><td>General photograph taken at this point</td><td>00:01:32</td><td>5</td><td></td></tr><tr><td>29.86</td><td>MHF</td><td>Finish node, manhole, reference: MH outside of survey site boundary reached: UU MH Ref: 2901</td><td>00:02:15</td><td>6</td><td></td></tr></table>								Position [m]	Code	Observation	MPEG	Photo	Grade	0.00	MH	Start node, manhole, reference: MH26 X: UU MH Ref: 2907	00:00:00			0.00	WL	Water level, 5% of the vertical dimension				0.00	GP	General photograph taken at this point	00:00:02	1		3.03	JN	Junction at 2 o'clock, 100mm dia	00:00:26	2		3.03	DEG	Attached deposits, grease from 8 o'clock to 4 o'clock, 10% cross-sectional area loss	00:00:26	3	3	10.23	GP	General photograph taken at this point	00:00:57	4		20.18	GP	General photograph taken at this point	00:01:32	5		29.86	MHF	Finish node, manhole, reference: MH outside of survey site boundary reached: UU MH Ref: 2901	00:02:15	6	
Position [m]	Code	Observation	MPEG	Photo	Grade																																																								
0.00	MH	Start node, manhole, reference: MH26 X: UU MH Ref: 2907	00:00:00																																																										
0.00	WL	Water level, 5% of the vertical dimension																																																											
0.00	GP	General photograph taken at this point	00:00:02	1																																																									
3.03	JN	Junction at 2 o'clock, 100mm dia	00:00:26	2																																																									
3.03	DEG	Attached deposits, grease from 8 o'clock to 4 o'clock, 10% cross-sectional area loss	00:00:26	3	3																																																								
10.23	GP	General photograph taken at this point	00:00:57	4																																																									
20.18	GP	General photograph taken at this point	00:01:32	5																																																									
29.86	MHF	Finish node, manhole, reference: MH outside of survey site boundary reached: UU MH Ref: 2901	00:02:15	6																																																									

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	1	4.0	0.1	4.0	3.0

Section Pictures - 06/05/2025 - MH26 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
31	Downstream	MH26 X	TS-2645	TS-2645



1, 00:00:02, 0.00 m
General photograph taken at this point



2, 00:00:26, 3.03 m
Junction at 2 o'clock, 100mm dia



3, 00:00:26, 3.03 m
Attached deposits, grease from 8 o'clock to 4 o'clock, 10% cross-sectional area loss



4, 00:00:57, 10.23 m
General photograph taken at this point

Section Pictures - 06/05/2025 - MH26 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
31	Downstream	MH26 X	TS-2645	TS-2645



5, 00:01:32, 20.18 m
General photograph taken at this point



6, 00:02:15, 29.86 m
Finish node, manhole, reference: MH outside of survey site
boundary reached, UU MH Ref: 2901

Section Inspection - 06/05/2025 - MH27 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
32	1	06/05/25	12:22	TS-2645	No Rain Or Snow	No	MH27 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH27 X
Road:	Westmorland Road	Inspected Length:	28.19 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	28.19 m	Downstream Node:	MH
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:210	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH27 X 0.00 0.00 0.00 0.71 0.93 6.12 8.67 8.67 9.99 10.93 12.11 12.79 12.79 19.28 20.28 0.00 0.00 0.00 0.71 0.93 6.12 8.67 8.67 9.99 10.93 12.11 12.79 12.79 19.28 20.28							
			MH	Start node, manhole, reference: MH27 X: UU MH Ref: 2906	00:00:00		
			WL	Water level, 5% of the vertical dimension			
			GP	General photograph taken at this point	00:00:01	1	
			CCJ	Crack, circumferential at joint from 2 o'clock to 4 o'clock	00:00:09	2	2 / 2
			JN	Junction at 2 o'clock, 100mm dia	00:00:11	3	
			CCJ	Crack, circumferential at joint from 8 o'clock to 11 o'clock	00:00:30	4	2 / 2
			CXI	Connection defective, connecting pipe is intruding at 12 o'clock, 100mm dia, intrusion: 20%	00:00:41	5	4
			RF	Roots, fine: Intruding via connection	00:00:41	6	2
			RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:00:48	7	3
			RTJ	Roots, tap at joint	00:00:52	8	4
			RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:00:57	9	3
			RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:01:01	10	3
			SW	Surface damage, increased roughness from 11 o'clock to 12 o'clock	00:01:01	11	1
			CCJ	Crack, circumferential at joint from 8 o'clock to 4 o'clock	00:01:21	12	2 / 2
			GP	General photograph taken at this point	00:01:25	13	

Section Inspection - 06/05/2025 - MH27 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
32	1	06/05/25	12:22	TS-2645	No Rain Or Snow	No	MH27 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Scale:	1:210	Position [m]	Code	Observation	MPEG	Photo	Grade
<							

Section Pictures - 06/05/2025 - MH27 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
32	Downstream	MH27 X	TS-2645	TS-2645



1, 00:00:01, 0.00 m
General photograph taken at this point



2, 00:00:09, 0.71 m
Crack, circumferential at joint from 2 o'clock to 4 o'clock



3, 00:00:11, 0.93 m
Junction at 2 o'clock, 100mm dia



4, 00:00:30, 6.12 m
Crack, circumferential at joint from 8 o'clock to 11 o'clock

Section Pictures - 06/05/2025 - MH27 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
32	Downstream	MH27 X	TS-2645	TS-2645



5, 00:00:41, 8.67 m
Connection defective, connecting pipe is intruding at 12 o'clock, 100mm dia, intrusion: 20%



6, 00:00:41, 8.67 m
Roots, fine, Intruding via connection



7, 00:00:48, 9.99 m
Roots, mass at joint, 5% cross-sectional area loss



8, 00:00:52, 10.93 m
Roots, tap at joint

Section Pictures - 06/05/2025 - MH27 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
32	Downstream	MH27 X	TS-2645	TS-2645



9, 00:00:57, 12.11 m
Roots, mass at joint, 5% cross-sectional area loss



10, 00:01:01, 12.79 m
Roots, mass at joint, 5% cross-sectional area loss



11, 00:01:01, 12.79 m
Surface damage, increased roughness from 11 o'clock to 12 o'clock



12, 00:01:21, 19.28 m
Crack, circumferential at joint from 8 o'clock to 4 o'clock

Section Pictures - 06/05/2025 - MH27 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
32	Downstream	MH27 X	TS-2645	TS-2645



13, 00:01:25, 20.28 m
General photograph taken at this point



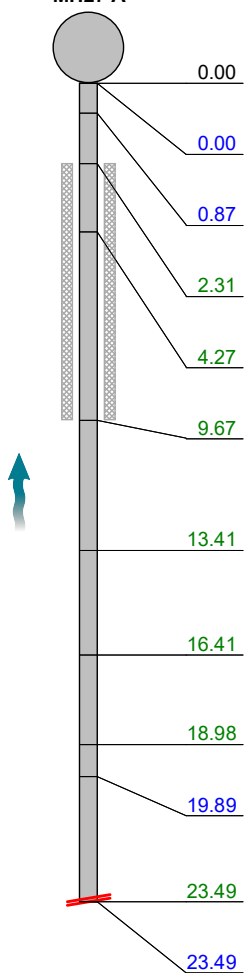
14, 00:01:53, 28.19 m
Finish node, manhole, reference: MH outside of survey site
boundary reached, UU MH Ref: 2903

Section Inspection - 06/05/2025 - MH23

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
33	1	06/05/25	12:23	TS-2645	No Rain Or Snow	No	MH23
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	MH23
Road:	Westmorland Road	Inspected Length:	23.49 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	23.49 m	Downstream Node:	MH27 A
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:204	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH27 A 							
	0.00	MH		Start node, manhole, reference: MH27 A: UU MH Ref: 2906	00:00:00		
	0.00	WL		Water level, 5% of the vertical dimension			
	0.87	GP		General photograph taken at this point	00:00:07	1	
	2.31	S01	RMJ	Roots, mass at joint, 10% cross-sectional area loss, start	00:03:09	2	
	4.27	C01	RMJ	Roots, mass at joint, 20% cross-sectional area loss, change	00:02:57	3	
	9.67	F01	RMJ	Roots, mass at joint, 20% cross-sectional area loss, finish	00:02:19	4	3
	13.41		RMJ	Roots, mass at joint, 10% cross-sectional area loss	00:02:02	5	3
	16.41		RFJ	Roots, fine at joint	00:01:45	6	2
	18.98		RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:01:33	7	3
	19.89		GP	General photograph taken at this point	00:01:27	8	
	23.49		RMJ	Roots, mass at joint, 50% cross-sectional area loss	00:01:11	9	5
	23.49	SA		Survey abandoned: Unable to pass mass roots	00:01:11		

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	5	15.0	2.4	56.0	5.0

Section Pictures - 06/05/2025 - MH23

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
33	Upstream	MH23	TS-2645	TS-2645



1, 00:00:07, 0.87 m
General photograph taken at this point



2, 00:03:09, 2.31 m
Roots, mass at joint, 10% cross-sectional area loss, start



3, 00:02:57, 4.27 m
Roots, mass at joint, 20% cross-sectional area loss, change



4, 00:02:19, 9.67 m
Roots, mass at joint, 20% cross-sectional area loss, finish

Section Pictures - 06/05/2025 - MH23

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
33	Upstream	MH23	TS-2645	TS-2645



5, 00:02:02, 13.41 m
Roots, mass at joint, 10% cross-sectional area loss



6, 00:01:45, 16.41 m
Roots, fine at joint



7, 00:01:33, 18.98 m
Roots, mass at joint, 5% cross-sectional area loss



8, 00:01:27, 19.89 m
General photograph taken at this point

Section Pictures - 06/05/2025 - MH23

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
33	Upstream	MH23	TS-2645	TS-2645



9, 00:01:11, 23.49 m

Roots, mass at joint, 50% cross-sectional area loss

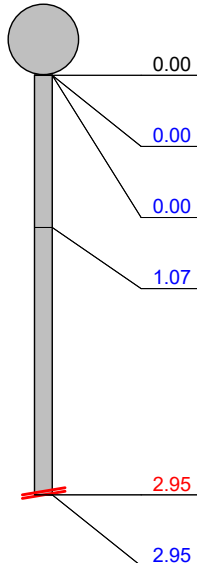
Section Inspection - 09/05/2025 - Unknown

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
34	1	09/05/25	10:44	TS-2645	No Rain Or Snow	No	UNKNOWN
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	UNKNOWN
Road:	Westmorland Road	Inspected Length:	2.95 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	2.95 m	Downstream Node:	MH27 D
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe 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 MH27 D  <table><tr><td>0.00</td><td>MH</td><td>Start node, manhole, reference: MH27 D: UU MH Ref: 2906</td><td>00:00:00</td><td></td><td></td><td></td></tr><tr><td>0.00</td><td>WL</td><td>Water level, 0% of the vertical dimension</td><td></td><td></td><td></td><td></td></tr><tr><td>0.00</td><td>GP</td><td>General photograph taken at this point</td><td>00:00:01</td><td>1</td><td></td><td></td></tr><tr><td>1.07</td><td>GP</td><td>General photograph taken at this point</td><td>00:00:06</td><td>2</td><td></td><td></td></tr><tr><td>2.95</td><td>JDL</td><td>Joint displaced, large</td><td>00:00:14</td><td>3</td><td></td><td>1 / 4</td></tr><tr><td>2.95</td><td>SA</td><td>Survey abandoned: Unable to pass displaced joint</td><td>00:00:14</td><td></td><td></td><td></td></tr></table>								0.00	MH	Start node, manhole, reference: MH27 D: UU MH Ref: 2906	00:00:00				0.00	WL	Water level, 0% of the vertical dimension					0.00	GP	General photograph taken at this point	00:00:01	1			1.07	GP	General photograph taken at this point	00:00:06	2			2.95	JDL	Joint displaced, large	00:00:14	3		1 / 4	2.95	SA	Survey abandoned: Unable to pass displaced joint	00:00:14			
0.00	MH	Start node, manhole, reference: MH27 D: UU MH Ref: 2906	00:00:00																																														
0.00	WL	Water level, 0% of the vertical dimension																																															
0.00	GP	General photograph taken at this point	00:00:01	1																																													
1.07	GP	General photograph taken at this point	00:00:06	2																																													
2.95	JDL	Joint displaced, large	00:00:14	3		1 / 4																																											
2.95	SA	Survey abandoned: Unable to pass displaced joint	00:00:14																																														

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
1	2.0	0.7	2.0	1.0	1	5.0	1.7	5.0	4.0

Section Pictures - 09/05/2025 - Unknown

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
34	Upstream	UNKNOWN	TS-2645	TS-2645



1, 00:00:01, 0.00 m
General photograph taken at this point



2, 00:00:06, 1.07 m
General photograph taken at this point



3, 00:00:14, 2.95 m
Joint displaced, large

Section Pictures - 06/05/2025 - MH28 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
35	Downstream	MH28 X	TS-2645	TS-2645



1, 00:00:06, 0.11 m
Pipe material changes to pitch fibre at this point



2, 00:02:44, 1.60 m
General photograph taken at this point



3, 00:02:21, 5.69 m
Deformed sewer or drain, 5%



4, 00:01:58, 9.59 m
General photograph taken at this point

Section Pictures - 06/05/2025 - MH28 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
35	Downstream	MH28 X	TS-2645	TS-2645



5, 00:01:44, 11.69 m
Deformed sewer or drain, 20%



6, 00:01:04, 15.57 m
Finish node, manhole, reference: MH29 reached

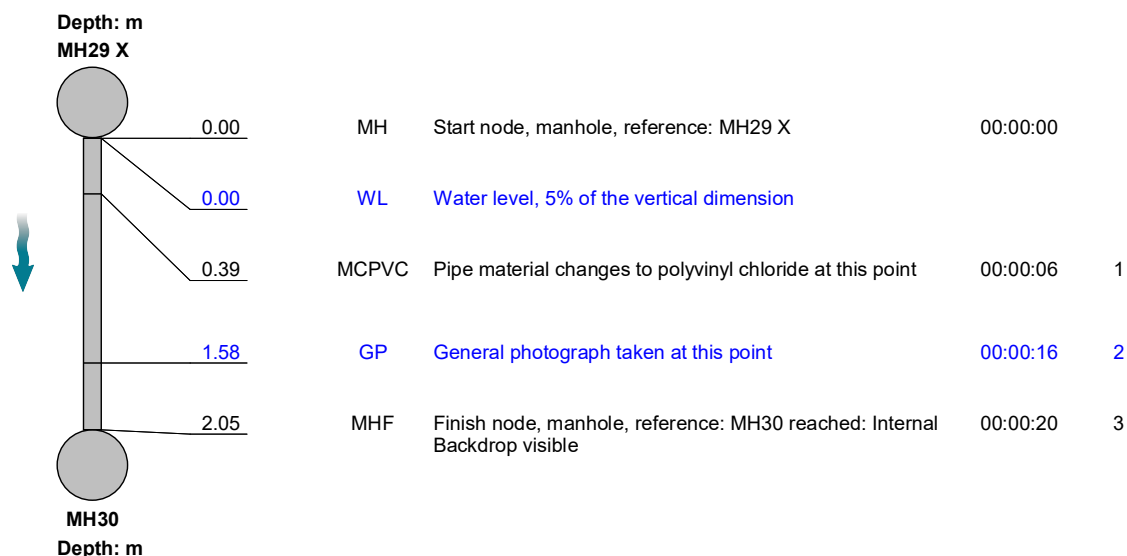
Section Inspection - 06/05/2025 - MH29 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
36	1	06/05/25	12:23	TS-2645	No Rain Or Snow	No	MH29 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH29 X
Road:	Westmorland Road	Inspected Length:	2.05 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	2.05 m	Downstream Node:	MH30
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Pitch fibre		
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



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 - 06/05/2025 - MH29 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
36	Downstream	MH29 X	TS-2645	TS-2645



1, 00:00:06, 0.39 m
Pipe material changes to polyvinyl chloride at this point



2, 00:00:16, 1.58 m
General photograph taken at this point



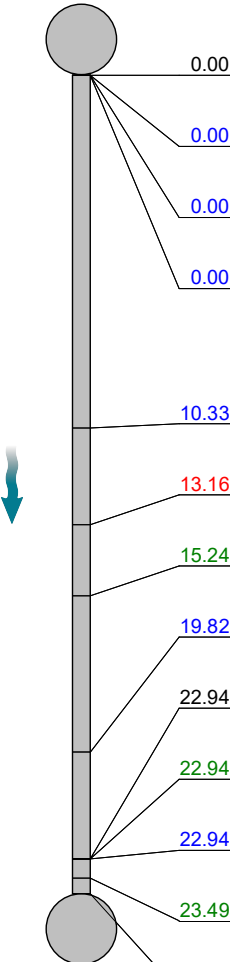
3, 00:00:20, 2.05 m
Finish node, manhole, reference: MH30 reached, Internal Backdrop visible

Section Inspection - 06/05/2025 - MH30 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
37	1	06/05/25	12:24	TS-2645	No Rain Or Snow	No	MH30 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH30 X
Road:	Westmorland Road	Inspected Length:	23.96 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	23.96 m	Downstream Node:	MH20 UTL
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Pitch fibre		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:208	Position [m]	Code	Observation	MPEG	Photo	Grade																																																																																				
Depth: m MH30 X  <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: MH30 X</td><td>00:00:00</td><td></td><td></td></tr><tr><td>0.00</td><td>WL</td><td>Water level, 5% of the vertical dimension</td><td></td><td></td><td></td></tr><tr><td>0.00</td><td>REM</td><td>General remark: Vision limited due to steam</td><td>00:02:46</td><td></td><td></td></tr><tr><td>0.00</td><td>GP</td><td>General photograph taken at this point</td><td>00:03:39</td><td>1</td><td></td></tr><tr><td>10.33</td><td>GP</td><td>General photograph taken at this point</td><td>00:02:46</td><td>2</td><td></td></tr><tr><td>13.16</td><td>D</td><td>Deformed sewer or drain, 25%</td><td>00:02:29</td><td>3</td><td>4 / 4</td></tr><tr><td>15.24</td><td>RMJ</td><td>Roots, mass at joint, 5% cross-sectional area loss</td><td>00:02:17</td><td>4</td><td>3</td></tr><tr><td>19.82</td><td>GP</td><td>General photograph taken at this point</td><td>00:01:56</td><td>5</td><td></td></tr><tr><td>22.94</td><td>MCVC</td><td>Pipe material changes to vitrified clay at this point</td><td>00:01:39</td><td>6</td><td></td></tr><tr><td>22.94</td><td>LR</td><td>Line deviates right</td><td>00:01:39</td><td>7</td><td></td></tr><tr><td>22.94</td><td>WL</td><td>Water level, 10% of the vertical dimension: Water standing in sewer due to mass roots at entry to MH20 UTL</td><td>00:01:39</td><td>8</td><td></td></tr><tr><td>23.49</td><td>RM</td><td>Roots, mass, 75% cross-sectional area loss: At entry to MH20 UTL</td><td>00:01:34</td><td>9</td><td>5</td></tr><tr><td>23.96</td><td>MHF</td><td>Finish node, manhole, reference: MH20 UTL (Buried MH) reached</td><td>00:01:32</td><td>10</td><td></td></tr></table>								Position [m]	Code	Observation	MPEG	Photo	Grade	0.00	MH	Start node, manhole, reference: MH30 X	00:00:00			0.00	WL	Water level, 5% of the vertical dimension				0.00	REM	General remark: Vision limited due to steam	00:02:46			0.00	GP	General photograph taken at this point	00:03:39	1		10.33	GP	General photograph taken at this point	00:02:46	2		13.16	D	Deformed sewer or drain, 25%	00:02:29	3	4 / 4	15.24	RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:02:17	4	3	19.82	GP	General photograph taken at this point	00:01:56	5		22.94	MCVC	Pipe material changes to vitrified clay at this point	00:01:39	6		22.94	LR	Line deviates right	00:01:39	7		22.94	WL	Water level, 10% of the vertical dimension: Water standing in sewer due to mass roots at entry to MH20 UTL	00:01:39	8		23.49	RM	Roots, mass, 75% cross-sectional area loss: At entry to MH20 UTL	00:01:34	9	5	23.96	MHF	Finish node, manhole, reference: MH20 UTL (Buried MH) reached	00:01:32	10	
Position [m]	Code	Observation	MPEG	Photo	Grade																																																																																						
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0.00	GP	General photograph taken at this point	00:03:39	1																																																																																							
10.33	GP	General photograph taken at this point	00:02:46	2																																																																																							
13.16	D	Deformed sewer or drain, 25%	00:02:29	3	4 / 4																																																																																						
15.24	RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:02:17	4	3																																																																																						
19.82	GP	General photograph taken at this point	00:01:56	5																																																																																							
22.94	MCVC	Pipe material changes to vitrified clay at this point	00:01:39	6																																																																																							
22.94	LR	Line deviates right	00:01:39	7																																																																																							
22.94	WL	Water level, 10% of the vertical dimension: Water standing in sewer due to mass roots at entry to MH20 UTL	00:01:39	8																																																																																							
23.49	RM	Roots, mass, 75% cross-sectional area loss: At entry to MH20 UTL	00:01:34	9	5																																																																																						
23.96	MHF	Finish node, manhole, reference: MH20 UTL (Buried MH) reached	00:01:32	10																																																																																							

Construction Features

Structural Defects

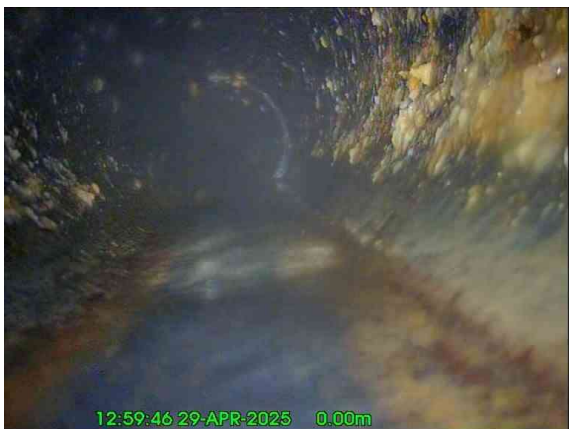
Miscellaneous Features

Service & Operational Observations

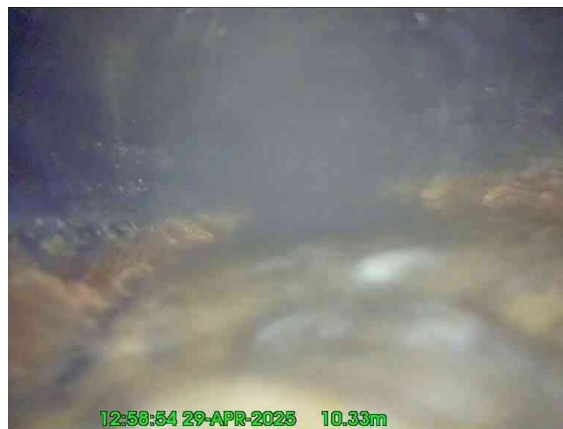
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	80.0	3.3	80.0	4.0	3	15.0	1.0	24.0	5.0

Section Pictures - 06/05/2025 - MH30 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
37	Downstream	MH30 X	TS-2645	TS-2645



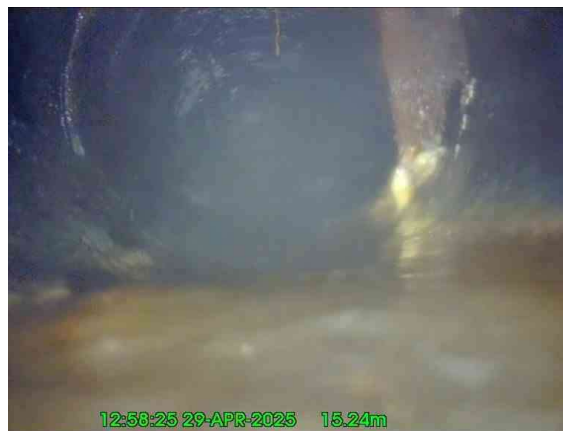
1, 00:03:39, 0.00 m
General photograph taken at this point



2, 00:02:46, 10.33 m
General photograph taken at this point



3, 00:02:29, 13.16 m
Deformed sewer or drain, 25%



4, 00:02:17, 15.24 m
Roots, mass at joint, 5% cross-sectional area loss

Section Pictures - 06/05/2025 - MH30 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
37	Downstream	MH30 X	TS-2645	TS-2645



5, 00:01:56, 19.82 m
General photograph taken at this point



6, 00:01:39, 22.94 m
Pipe material changes to vitrified clay at this point



7, 00:01:39, 22.94 m
Line deviates right



8, 00:01:39, 22.94 m
Water level, 10% of the vertical dimension, Water standing in sewer due to mass roots at entry to MH20 UTL

Section Pictures - 06/05/2025 - MH30 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
37	Downstream	MH30 X	TS-2645	TS-2645



9, 00:01:34, 23.49 m
Roots, mass, 75% cross-sectional area loss, At entry to MH20 UTL



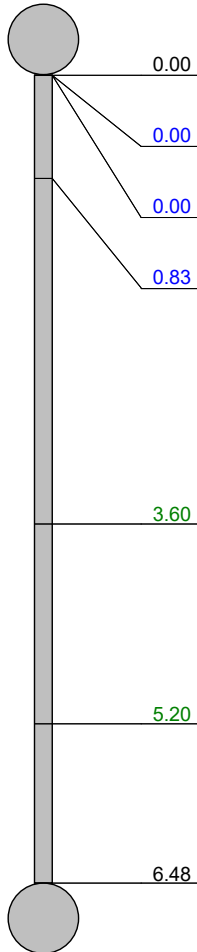
10, 00:01:32, 23.96 m
Finish node, manhole, reference: MH20 UTL (Buried MH) reached

Section Inspection - 06/05/2025 - MH31 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
38	1	06/05/25	12:25	TS-2645	No Rain Or Snow	No	MH31 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH31 X
Road:	Westmorland Road	Inspected Length:	6.48 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	6.48 m	Downstream Node:	MH20 UTL
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:57	Position [m]	Code	Observation	MPEG	Photo	Grade																																																
Depth: m MH31 X  <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: MH31 X</td><td>00:00:00</td><td></td><td></td></tr><tr><td>0.00</td><td>WL</td><td>Water level, 5% of the vertical dimension</td><td></td><td></td><td></td></tr><tr><td>0.00</td><td>REM</td><td>General remark: Vision limited due to steam</td><td>00:02:26</td><td></td><td></td></tr><tr><td>0.83</td><td>GP</td><td>General photograph taken at this point</td><td>00:02:18</td><td>1</td><td></td></tr><tr><td>3.60</td><td>RMJ</td><td>Roots, mass at joint, 75% cross-sectional area loss</td><td>00:01:58</td><td>2</td><td>5</td></tr><tr><td>5.20</td><td>RMJ</td><td>Roots, mass at joint, 35% cross-sectional area loss</td><td>00:01:44</td><td>3</td><td>5</td></tr><tr><td>6.48</td><td>MHF</td><td>Finish node, manhole, reference: MH20 UTL (Buried MH) reached</td><td>00:01:31</td><td>4</td><td></td></tr></table> Depth: m MH20 UTL								Position [m]	Code	Observation	MPEG	Photo	Grade	0.00	MH	Start node, manhole, reference: MH31 X	00:00:00			0.00	WL	Water level, 5% of the vertical dimension				0.00	REM	General remark: Vision limited due to steam	00:02:26			0.83	GP	General photograph taken at this point	00:02:18	1		3.60	RMJ	Roots, mass at joint, 75% cross-sectional area loss	00:01:58	2	5	5.20	RMJ	Roots, mass at joint, 35% cross-sectional area loss	00:01:44	3	5	6.48	MHF	Finish node, manhole, reference: MH20 UTL (Buried MH) reached	00:01:31	4	
Position [m]	Code	Observation	MPEG	Photo	Grade																																																		
0.00	MH	Start node, manhole, reference: MH31 X	00:00:00																																																				
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0.83	GP	General photograph taken at this point	00:02:18	1																																																			
3.60	RMJ	Roots, mass at joint, 75% cross-sectional area loss	00:01:58	2	5																																																		
5.20	RMJ	Roots, mass at joint, 35% cross-sectional area loss	00:01:44	3	5																																																		
6.48	MHF	Finish node, manhole, reference: MH20 UTL (Buried MH) reached	00:01:31	4																																																			

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	15.0	3.9	25.0	5.0

Section Pictures - 06/05/2025 - MH31 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
38	Downstream	MH31 X	TS-2645	TS-2645



1, 00:02:18, 0.83 m
General photograph taken at this point



2, 00:01:58, 3.60 m
Roots, mass at joint, 75% cross-sectional area loss



3, 00:01:44, 5.20 m
Roots, mass at joint, 35% cross-sectional area loss



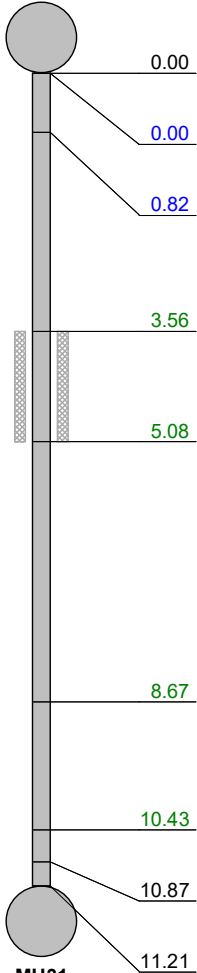
4, 00:01:31, 6.48 m
Finish node, manhole, reference: MH20 UTL (Buried MH) reached

Section Inspection - 06/05/2025 - MH32 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
39	1	06/05/25	12:25	TS-2645	No Rain Or Snow	No	MH32 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH32 X
Road:	Westmorland Road	Inspected Length:	11.21 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	11.21 m	Downstream Node:	MH31
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:98	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH32 X 							
	0.00	MH		Start node, manhole, reference: MH32 X	00:00:00		
	0.00	WL		Water level, 5% of the vertical dimension			
	0.82	GP		General photograph taken at this point	00:00:11	1	
	3.56	S01	RMJ	Roots, mass at joint, 10% cross-sectional area loss, start	00:00:25	2	
	5.08	F01	RMJ	Roots, mass at joint, 10% cross-sectional area loss, finish	00:00:34	3	3
	8.67		RMJ	Roots, mass at joint, 20% cross-sectional area loss	00:00:52	4	5
	10.43		RMJ	Roots, mass at joint, 35% cross-sectional area loss	00:01:04	5	5
	10.87		JN	Junction at 6 o'clock, 150mm dia: Internal Backdrop	00:01:07	6	
	11.21		MHF	Finish node, manhole, reference: MH31 reached	00:01:18	7	

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	10.0	2.5	28.0	5.0

Section Pictures - 06/05/2025 - MH32 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
39	Downstream	MH32 X	TS-2645	TS-2645



1, 00:00:11, 0.82 m
General photograph taken at this point



2, 00:00:25, 3.56 m
Roots, mass at joint, 10% cross-sectional area loss, start



3, 00:00:34, 5.08 m
Roots, mass at joint, 10% cross-sectional area loss, finish



4, 00:00:52, 8.67 m
Roots, mass at joint, 20% cross-sectional area loss

Section Pictures - 06/05/2025 - MH32 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
39	Downstream	MH32 X	TS-2645	TS-2645



5, 00:01:04, 10.43 m
Roots, mass at joint, 35% cross-sectional area loss



6, 00:01:07, 10.87 m
Junction at 6 o'clock, 150mm dia, Internal Backdrop



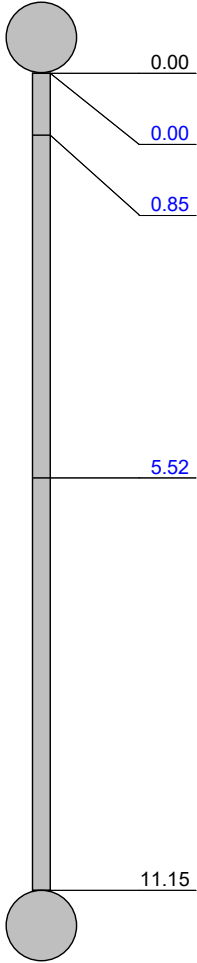
7, 00:01:18, 11.21 m
Finish node, manhole, reference: MH31 reached

Section Inspection - 06/05/2025 - MH33

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
40	1	06/05/25	12:25	TS-2645	No Rain Or Snow	No	MH33
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	MH33
Road:	Westmorland Road	Inspected Length:	11.15 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	11.15 m	Downstream Node:	MH32 A
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:97	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH32 A 							
	0.00	MH	Start node, manhole, reference: MH32 A	00:00:00			
	0.00	WL	Water level, 5% of the vertical dimension				
	0.85	GP	General photograph taken at this point	00:00:08	1		
	5.52	GP	General photograph taken at this point	00:00:31	2		
	11.15	MHF	Finish node, manhole, reference: MH33 reached	00:01:06	3		

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 - 06/05/2025 - MH33

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
40	Upstream	MH33	TS-2645	TS-2645



1, 00:00:08, 0.85 m
General photograph taken at this point



2, 00:00:31, 5.52 m
General photograph taken at this point



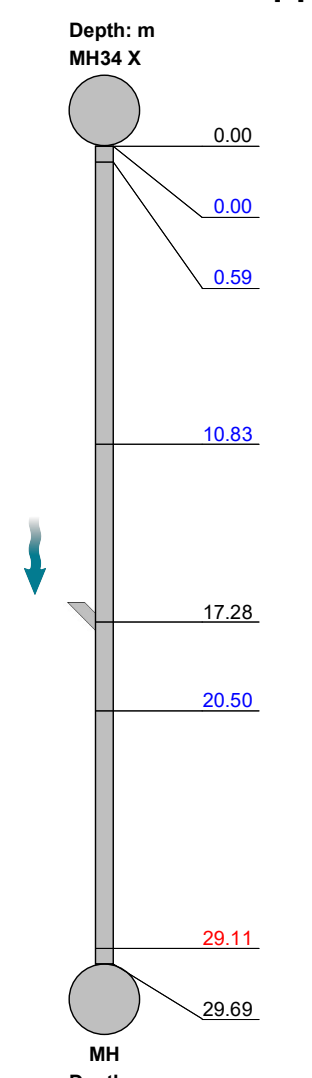
3, 00:01:06, 11.15 m
Finish node, manhole, reference: MH33 reached

Section Inspection - 06/05/2025 - MH34 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
41	1	06/05/25	12:26	TS-2645	No Rain Or Snow	No	MH34 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH34 X
Road:	Westmorland Road	Inspected Length:	29.69 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	29.69 m	Downstream Node:	MH
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:258	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH34 X 						
	0.00	MH	Start node, manhole, reference: MH34 X	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	0.59	GP	General photograph taken at this point	00:00:05	1	
	10.83	GP	General photograph taken at this point	00:00:47	2	
	17.28	JN	Junction at 3 o'clock, 150mm dia	00:01:09	3	
	20.50	GP	General photograph taken at this point	00:01:20	4	
	29.11	SW	Surface damage, increased roughness from 10 o'clock to 3 o'clock	00:01:47	5	1
	29.69	MHF	Finish node, manhole, reference: MH at entrance to ASDA petrol station site reached	00:01:53	6	

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
1	5.0	0.2	5.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 06/05/2025 - MH34 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
41	Downstream	MH34 X	TS-2645	TS-2645



1, 00:00:05, 0.59 m
General photograph taken at this point



2, 00:00:47, 10.83 m
General photograph taken at this point



3, 00:01:09, 17.28 m
Junction at 3 o'clock, 150mm dia



4, 00:01:20, 20.50 m
General photograph taken at this point

Section Pictures - 06/05/2025 - MH34 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
41	Downstream	MH34 X	TS-2645	TS-2645



5, 00:01:47, 29.11 m
Surface damage, increased roughness from 10 o'clock to 3 o'clock



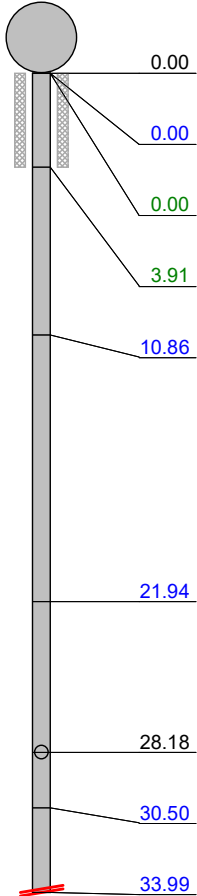
6, 00:01:53, 29.69 m
Finish node, manhole, reference: MH at entrance to ASDA petrol station site reached

Section Inspection - 06/05/2025 - MH35 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
42	1	06/05/25	12:26	TS-2645	No Rain Or Snow	No	MH35 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH35 X
Road:	Westmorland Road	Inspected Length:	33.99 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	33.99 m	Downstream Node:	MH
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:295	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH35 X 						
	0.00	MH	Start node, manhole, reference: MH35 X	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	0.00	S01	RM	Roots, mass, 20% cross-sectional area loss, start	00:00:03	1
	3.91	F01	RM	Roots, mass, 20% cross-sectional area loss, finish	00:00:27	2
	10.86	GP	General photograph taken at this point	00:00:39	3	
	21.94	GP	General photograph taken at this point	00:00:56	4	
	28.18	CN	Connection other than junction at 12 o'clock, 150mm dia	00:01:07	5	
	30.50	GP	General photograph taken at this point	00:01:11	6	
	33.99	SA	Survey abandoned: Unable to push camera any further	00:01:22	7	

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	1	10.0	1.2	40.0	5.0

Section Pictures - 06/05/2025 - MH35 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
42	Downstream	MH35 X	TS-2645	TS-2645



1, 00:00:03, 0.00 m
Roots, mass, 20% cross-sectional area loss, start



2, 00:00:27, 3.91 m
Roots, mass, 20% cross-sectional area loss, finish



3, 00:00:39, 10.86 m
General photograph taken at this point



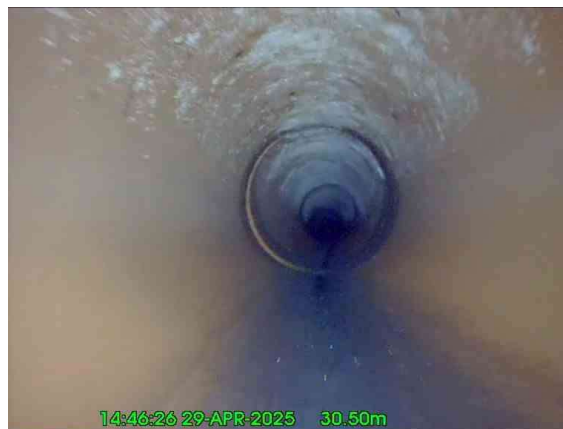
4, 00:00:56, 21.94 m
General photograph taken at this point

Section Pictures - 06/05/2025 - MH35 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
42	Downstream	MH35 X	TS-2645	TS-2645



5, 00:01:07, 28.18 m
Connection other than junction at 12 o'clock, 150mm dia



6, 00:01:11, 30.50 m
General photograph taken at this point



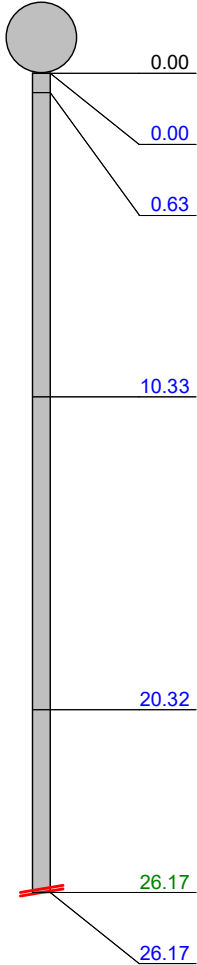
7, 00:01:22, 33.99 m
Survey abandoned, Unable to push camera any further

Section Inspection - 06/05/2025 - MH36 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
43	1	06/05/25	12:28	TS-2645	No Rain Or Snow	No	MH36 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH36 X
Road:	Westmorland Road	Inspected Length:	26.17 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	26.17 m	Downstream Node:	MH
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:227	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH36 X 							
	0.00	MH	Start node, manhole, reference: MH36 X	00:00:00			
	0.00	WL	Water level, 5% of the vertical dimension				
	0.63	GP	General photograph taken at this point	00:00:06	1		
	10.33	GP	General photograph taken at this point	00:00:49	2		
	20.32	GP	General photograph taken at this point	00:01:30	3		
	26.17	DES	Settled deposits, fine, 20% cross-sectional area loss	00:02:12	4		4
	26.17	SA	Survey abandoned: Unable to push camera any further	00:02:12			

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	1	5.0	0.2	5.0	4.0

Section Pictures - 06/05/2025 - MH36 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
43	Downstream	MH36 X	TS-2645	TS-2645



1, 00:00:06, 0.63 m
General photograph taken at this point



2, 00:00:49, 10.33 m
General photograph taken at this point



3, 00:01:30, 20.32 m
General photograph taken at this point



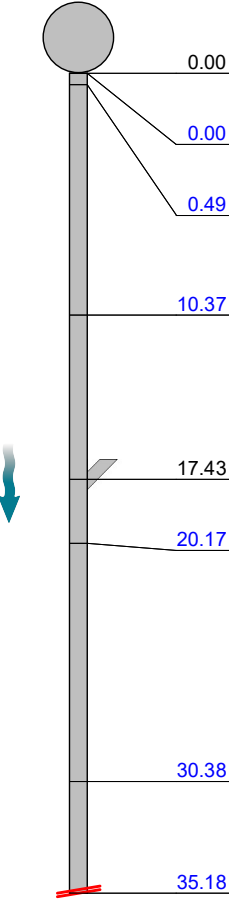
4, 00:02:12, 26.17 m
Settled deposits, fine, 20% cross-sectional area loss

Section Inspection - 06/05/2025 - MH37 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
44	1	06/05/25	12:26	TS-2645	No Rain Or Snow	No	MH37 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH37 X
Road:	Westmorland Road	Inspected Length:	35.18 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	35.18 m	Downstream Node:	MH39
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

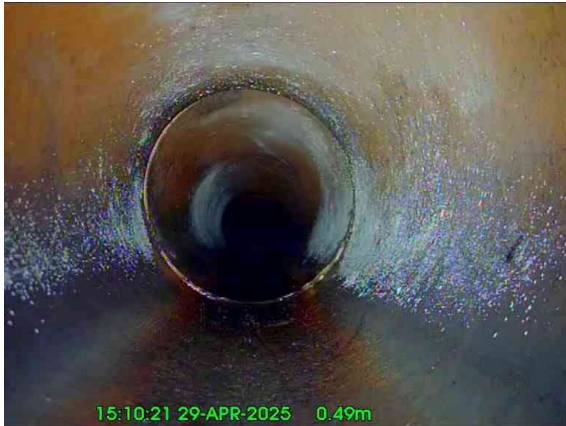
Scale: 1:305	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH37 X 						
	0.00	MH	Start node, manhole, reference: MH37 X	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	0.49	GP	General photograph taken at this point	00:00:05	1	
	10.37	GP	General photograph taken at this point	00:00:41	2	
	17.43	JN	Junction at 10 o'clock, 150mm dia	00:01:14	3	
	20.17	GP	General photograph taken at this point	00:01:28	4	
	30.38	GP	General photograph taken at this point	00:02:18	5	
	35.18	SA	Survey abandoned: Remaining section of sewer surveyed from MH39 A downstream	00:02:55	6	

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	0	0.0	0.0	0.0	1.0

Section Pictures - 06/05/2025 - MH37 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
44	Downstream	MH37 X	TS-2645	TS-2645



1, 00:00:05, 0.49 m
General photograph taken at this point



2, 00:00:41, 10.37 m
General photograph taken at this point



3, 00:01:14, 17.43 m
Junction at 10 o'clock, 150mm dia



4, 00:01:28, 20.17 m
General photograph taken at this point

Section Pictures - 06/05/2025 - MH37 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
44	Downstream	MH37 X	TS-2645	TS-2645



15:12:33 29-APR-2025 30.38m

5, 00:02:18, 30.38 m
General photograph taken at this point



15:13:11 29-APR-2025 35.18m

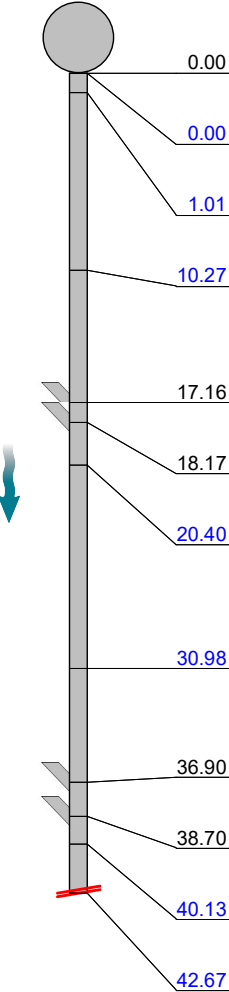
6, 00:02:55, 35.18 m
Survey abandoned, Remaining section of sewer surveyed from
MH39 A downstream

Section Inspection - 06/05/2025 - MH38 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
45	1	06/05/25	12:27	TS-2645	No Rain Or Snow	No	MH38 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH38 X
Road:	Westmorland Road	Inspected Length:	42.67 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	42.67 m	Downstream Node:	MH
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:370	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH38 X 						
	0.00	MH	Start node, manhole, reference: MH38 X	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	1.01	GP	General photograph taken at this point	00:00:07	1	
	10.27	GP	General photograph taken at this point	00:00:52	2	
	17.16	JN	Junction at 3 o'clock, 150mm dia	00:01:31	3	
	18.17	CN	Connection other than junction at 2 o'clock, 100mm dia	00:01:38	4	
	20.40	GP	General photograph taken at this point	00:01:49	5	
	30.98	GP	General photograph taken at this point	00:02:28	6	
	36.90	JN	Junction at 2 o'clock, 150mm dia	00:02:54	7	
	38.70	CN	Connection other than junction at 2 o'clock, 100mm dia	00:03:03	8	
	40.13	GP	General photograph taken at this point	00:03:09	9	
	42.67	SA	Survey abandoned: Unable to push camera any further	00:03:34	10	

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 - 06/05/2025 - MH38 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
45	Downstream	MH38 X	TS-2645	TS-2645



1, 00:00:07, 1.01 m
General photograph taken at this point



2, 00:00:52, 10.27 m
General photograph taken at this point



3, 00:01:31, 17.16 m
Junction at 3 o'clock, 150mm dia



4, 00:01:38, 18.17 m
Connection other than junction at 2 o'clock, 100mm dia

Section Pictures - 06/05/2025 - MH38 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
45	Downstream	MH38 X	TS-2645	TS-2645



5, 00:01:49, 20.40 m
General photograph taken at this point



6, 00:02:28, 30.98 m
General photograph taken at this point



7, 00:02:54, 36.90 m
Junction at 2 o'clock, 150mm dia



8, 00:03:03, 38.70 m
Connection other than junction at 2 o'clock, 100mm dia

Section Pictures - 06/05/2025 - MH38 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
45	Downstream	MH38 X	TS-2645	TS-2645



9, 00:03:09, 40.13 m
General photograph taken at this point



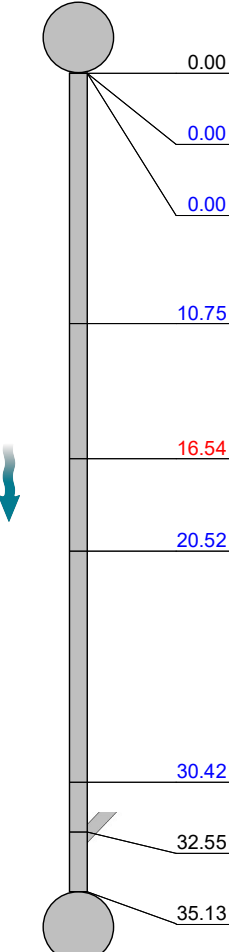
10, 00:03:34, 42.67 m
Survey abandoned, Unable to push camera any further

Section Inspection - 06/05/2025 - MH39 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
46	1	06/05/25	12:32	TS-2645	No Rain Or Snow	No	MH39 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH39 X
Road:	Westmorland Road	Inspected Length:	35.13 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	35.13 m	Downstream Node:	MH
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:305	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH39 X  0.00 0.00 0.00 10.75 16.54 20.52 30.42 32.55 35.13 MH Depth: m						
	0.00	MH	Start node, manhole, reference: MH39 X	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	0.00	GP	General photograph taken at this point	00:00:01	1	
	10.75	GP	General photograph taken at this point	00:00:29	2	
	16.54	SW	Surface damage, increased roughness from 10 o'clock to 11 o'clock	00:00:47	3	1
	20.52	GP	General photograph taken at this point	00:00:59	4	
	30.42	GP	General photograph taken at this point	00:01:36	5	
	32.55	JN	Junction at 10 o'clock, 150mm dia	00:01:54	6	
	35.13	MHF	Finish node, manhole, reference: MH at entrance to ASDA petrol station site reached	00:03:03	7	

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
1	5.0	0.1	5.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 06/05/2025 - MH39 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
46	Downstream	MH39 X	TS-2645	TS-2645



1, 00:00:01, 0.00 m
General photograph taken at this point



2, 00:00:29, 10.75 m
General photograph taken at this point



3, 00:00:47, 16.54 m
Surface damage, increased roughness from 10 o'clock to 11 o'clock



4, 00:00:59, 20.52 m
General photograph taken at this point

Section Pictures - 06/05/2025 - MH39 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
46	Downstream	MH39 X	TS-2645	TS-2645



5, 00:01:36, 30.42 m
General photograph taken at this point



6, 00:01:54, 32.55 m
Junction at 10 o'clock, 150mm dia



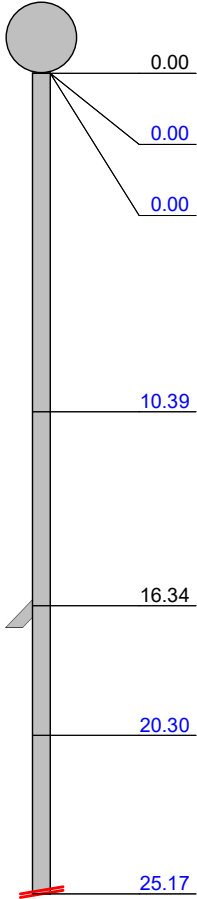
7, 00:03:03, 35.13 m
Finish node, manhole, reference: MH at entrance to ASDA
petrol station site reached

Section Inspection - 06/05/2025 - MH37

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
47	1	06/05/25	12:31	TS-2645	No Rain Or Snow	No	MH37
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	MH37
Road:	Westmorland Road	Inspected Length:	25.17 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	25.17 m	Downstream Node:	MH39 A
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:218	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH39 A 							
		0.00	MH	Start node, manhole, reference: MH39 A	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension			
		0.00	GP	General photograph taken at this point	00:00:03	1	
		10.39	GP	General photograph taken at this point	00:00:45	2	
		16.34	JN	Junction at 3 o'clock, 150mm dia	00:01:05	3	
		20.30	GP	General photograph taken at this point	00:01:16	4	
		25.17	SA	Survey abandoned: Remaining section of sewer surveyed from MH37 X upstream	00:01:36	5	

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	0	0.0	0.0	0.0	1.0

Section Pictures - 06/05/2025 - MH37

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
47	Upstream	MH37	TS-2645	TS-2645



1, 00:00:03, 0.00 m
General photograph taken at this point



2, 00:00:45, 10.39 m
General photograph taken at this point



3, 00:01:05, 16.34 m
Junction at 3 o'clock, 150mm dia



4, 00:01:16, 20.30 m
General photograph taken at this point

Section Pictures - 06/05/2025 - MH37

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
47	Upstream	MH37	TS-2645	TS-2645



5, 00:01:36, 25.17 m

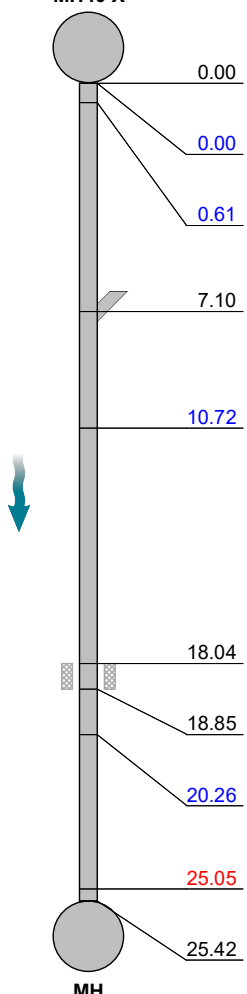
Survey abandoned, Remaining section of sewer surveyed from
MH37 X upstream

Section Inspection - 06/05/2025 - MH40 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
48	1	06/05/25	12:33	TS-2645	No Rain Or Snow	No	MH40 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH40 X
Road:	Westmorland Road	Inspected Length:	25.42 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	25.42 m	Downstream Node:	MH
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:221	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH40 X  Depth: m MH							
	0.00	MH		Start node, manhole, reference: MH40 X	00:00:00		
	0.00	WL		Water level, 5% of the vertical dimension			
	0.61	GP		General photograph taken at this point	00:00:05	1	
	7.10	JN		Junction at 9 o'clock, 150mm dia	00:00:25	2	
	10.72	GP		General photograph taken at this point	00:00:35	3	
	18.04	S01	RPL	Point repair, localised lining from 12 o'clock to 12 o'clock, start	00:00:54	4	
	18.85	F01	RPL	Point repair, localised lining from 12 o'clock to 12 o'clock, finish	00:00:59	5	
	20.26	GP		General photograph taken at this point	00:01:03	6	
	25.05	JDM		Joint displaced, medium	00:01:17	7	1 / 3
	25.42	MHF		Finish node, manhole, reference: MH at exit to ASDA petrol station site reached	00:01:21	8	

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
1	1.0	0.0	1.0	1.0	1	2.0	0.1	2.0	3.0

Section Pictures - 06/05/2025 - MH40 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
48	Downstream	MH40 X	TS-2645	TS-2645



1, 00:00:05, 0.61 m
General photograph taken at this point



2, 00:00:25, 7.10 m
Junction at 9 o'clock, 150mm dia



3, 00:00:35, 10.72 m
General photograph taken at this point



4, 00:00:54, 18.04 m
Point repair, localised lining from 12 o'clock to 12 o'clock, start

Section Pictures - 06/05/2025 - MH40 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
48	Downstream	MH40 X	TS-2645	TS-2645



5, 00:00:59, 18.85 m
Point repair, localised lining from 12 o'clock to 12 o'clock, finish



6, 00:01:03, 20.26 m
General photograph taken at this point



7, 00:01:17, 25.05 m
Joint displaced, medium



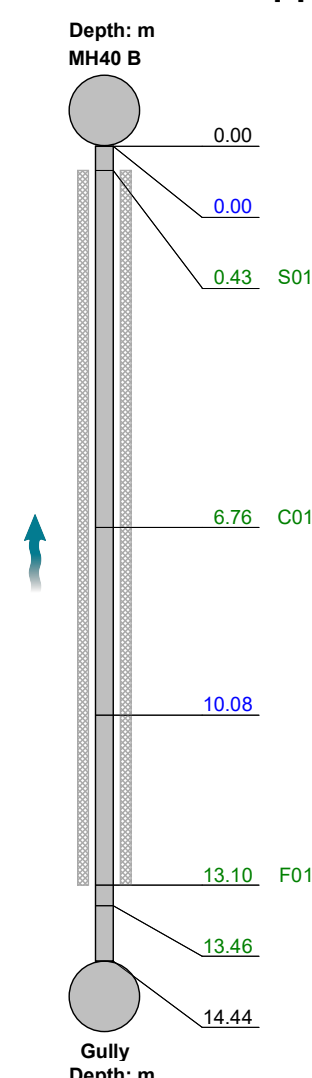
8, 00:01:21, 25.42 m
Finish node, manhole, reference: MH at exit to ASDA petrol station site reached

Section Inspection - 06/05/2025 - Gully

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
49	1	06/05/25	12:33	TS-2645	No Rain Or Snow	No	GULLY
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	Westmorland Road	Inspected Length:	14.44 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	14.44 m	Downstream Node:	MH40 B
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:126	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH40 B 							
	0.00	MH		Start node, manhole, reference: MH40 B	00:00:00		
	0.00	WL		Water level, 0% of the vertical dimension			
	0.43	S01	DES	Settled deposits, fine, 10% cross-sectional area loss, start	00:00:04	1	
	6.76	C01	DES	Settled deposits, fine, 5% cross-sectional area loss, change	00:00:27	2	
	10.08	GP		General photograph taken at this point	00:00:41	3	
	13.10	F01	DES	Settled deposits, fine, 5% cross-sectional area loss, finish	00:01:00		3
	13.46	LU		Line deviates up	00:01:00	4	
	14.44	GYF		Finish node, gully, reference: Gully reached	00:01:08	5	
Gully 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
0	0.0	0.0	0.0	1.0	1	2.0	1.8	26.0	3.0

Section Pictures - 06/05/2025 - Gully

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
49	Upstream	GULLY	TS-2645	TS-2645



1, 00:00:04, 0.43 m
Settled deposits, fine, 10% cross-sectional area loss, start



2, 00:00:27, 6.76 m
Settled deposits, fine, 5% cross-sectional area loss, change



3, 00:00:41, 10.08 m
General photograph taken at this point



4, 00:01:00, 13.46 m
Line deviates up

Section Pictures - 06/05/2025 - Gully

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
49	Upstream	GULLY	TS-2645	TS-2645



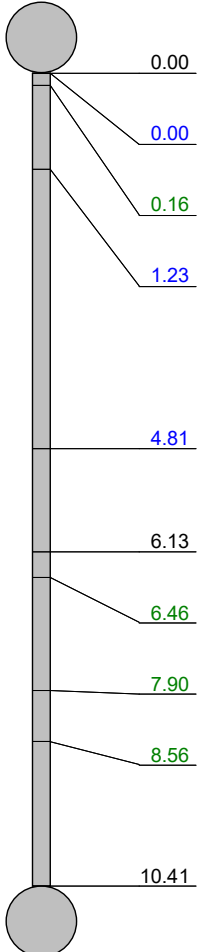
5, 00:01:08, 14.44 m
Finish node, gully, reference: Gully reached

Section Inspection - 06/05/2025 - MH42 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
50	1	06/05/25	12:32	TS-2645	No Rain Or Snow	No	MH42 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH42 X
Road:	Westmorland Road	Inspected Length:	10.41 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	10.41 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

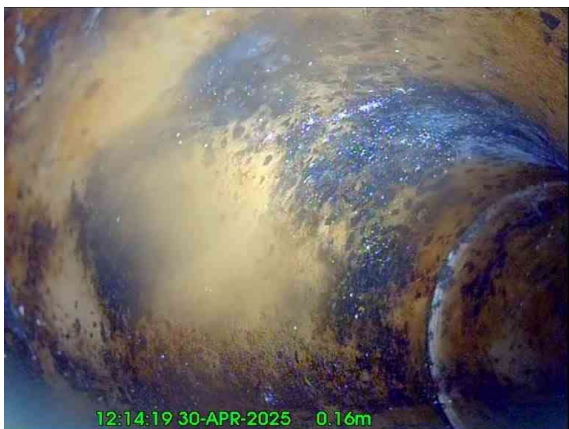
Comments:
Recommendations:

Scale:	1:91	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH42 X  Main Depth: m							
	0.00	MH	Start node, manhole, reference: MH42 X	00:00:00			
	0.00	WL	Water level, 5% of the vertical dimension				
	0.16	LR	Line deviates right	00:00:04	1		
	1.23	GP	General photograph taken at this point	00:00:12	2		
	4.81	GP	General photograph taken at this point	00:00:25	3		
	6.13	SR	Sealing ring intruding from 10 o'clock to 11 o'clock	00:00:32	4		1 / 1
	6.46	LL	Line deviates left	00:00:35	5		
	7.90	LR	Line deviates right	00:00:40	6		
	8.56	LL	Line deviates left	00:00:43	7		
	10.41	BRF	Finish node, major connection without manhole, reference: Main sewer reached	00:00:58	8		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	5.0	0.5	5.0	1.0	1	0.0	0.0	0.0	1.0

Section Pictures - 06/05/2025 - MH42 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
50	Downstream	MH42 X	TS-2645	TS-2645



1, 00:00:04, 0.16 m
Line deviates right



2, 00:00:12, 1.23 m
General photograph taken at this point



3, 00:00:25, 4.81 m
General photograph taken at this point



4, 00:00:32, 6.13 m
Sealing ring intruding from 10 o'clock to 11 o'clock

Section Pictures - 06/05/2025 - MH42 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
50	Downstream	MH42 X	TS-2645	TS-2645



5, 00:00:35, 6.46 m
Line deviates left



6, 00:00:40, 7.90 m
Line deviates right



7, 00:00:43, 8.56 m
Line deviates left



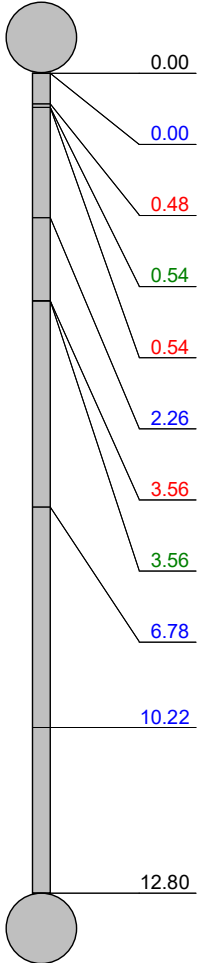
8, 00:00:58, 10.41 m
Finish node, major connection without manhole, reference:
Main sewer reached

Section Inspection - 06/05/2025 - MH43 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
51	1	06/05/25	12:34	TS-2645	No Rain Or Snow	No	MH43 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH43 X
Road:	Westmorland Road	Inspected Length:	12.80 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	12.80 m	Downstream Node:	MH44
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:111	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH43 X  Depth: m MH44						
	0.00	MH	Start node, manhole, reference: MH43 X	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	0.48	JDM	Joint displaced, medium	00:00:10	1	1 / 3
	0.54	LR	Line deviates right	00:00:11	2	
	0.54	JDM	Joint displaced, medium	00:00:11	3	1 / 3
	2.26	GP	General photograph taken at this point	00:00:24	4	
	3.56	JDM	Joint displaced, medium	00:00:30	5	1 / 3
	3.56	DER	Settled deposits, coarse, 5% cross-sectional area loss	00:00:30	6	3
	6.78	GP	General photograph taken at this point	00:00:39	7	
	10.22	GP	General photograph taken at this point	00:00:55	8	
	12.80	MHF	Finish node, manhole, reference: MH44 reached	00:01:04	9	

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	2.0	0.2	3.0	1.0	4	4.0	0.6	8.0	3.0

Section Pictures - 06/05/2025 - MH43 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
51	Downstream	MH43 X	TS-2645	TS-2645



1, 00:00:10, 0.48 m
Joint displaced, medium



2, 00:00:11, 0.54 m
Line deviates right



3, 00:00:11, 0.54 m
Joint displaced, medium



4, 00:00:24, 2.26 m
General photograph taken at this point

Section Pictures - 06/05/2025 - MH43 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
51	Downstream	MH43 X	TS-2645	TS-2645



5, 00:00:30, 3.56 m
Joint displaced, medium



6, 00:00:30, 3.56 m
Settled deposits, coarse, 5% cross-sectional area loss



7, 00:00:39, 6.78 m
General photograph taken at this point



8, 00:00:55, 10.22 m
General photograph taken at this point

Section Pictures - 06/05/2025 - MH43 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
51	Downstream	MH43 X	TS-2645	TS-2645



9, 00:01:04, 12.80 m

Finish node, manhole, reference: MH44 reached

Section Pictures - 06/05/2025 - MH44 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
52	Downstream	MH44 X	TS-2645	TS-2645



1, 00:00:10, 1.64 m
General photograph taken at this point



2, 00:00:32, 8.34 m
Open joint, medium



3, 00:00:42, 10.24 m
General photograph taken at this point



4, 00:01:15, 20.55 m
General photograph taken at this point

Section Pictures - 06/05/2025 - MH44 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
52	Downstream	MH44 X	TS-2645	TS-2645



5, 00:01:29, 22.64 m

Finish node, manhole, reference: MH45 reached

Section Inspection - 06/05/2025 - MH45 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
53	1	06/05/25	12:36	TS-2645	No Rain Or Snow	No	MH45 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH45 X
Road:	Westmorland Road	Inspected Length:	11.88 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	11.88 m	Downstream Node:	MH46
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe 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 MH45 X Depth: m MH46						
	0.00	MH	Start node, manhole, reference: MH45 X	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	0.88	GP	General photograph taken at this point	00:00:10	1	
	3.99	JDM	Joint displaced, medium	00:00:27	2	1 / 3
	7.54	JDM	Joint displaced, medium	00:00:42	3	1 / 3
	9.32	JDM	Joint displaced, medium	00:00:50	4	1 / 3
	10.36	RMJ	Roots, mass at joint, 10% cross-sectional area loss	00:00:54	5	3
	10.72	LR	Line deviates right	00:00:57	6	
	10.72	JDM	Joint displaced, medium	00:00:57	7	1 / 3
	11.88	MHF	Finish node, manhole, reference: MH46 reached	00:01:31	8	

Construction Features
Structural Defects
Miscellaneous Features
Service & Operational Observations

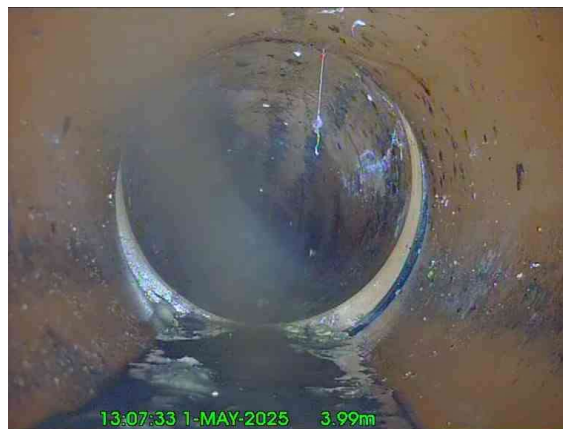
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
4	1.0	0.3	4.0	1.0	5	4.0	1.0	12.0	3.0

Section Pictures - 06/05/2025 - MH45 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
53	Downstream	MH45 X	TS-2645	TS-2645



1, 00:00:10, 0.88 m
General photograph taken at this point



2, 00:00:27, 3.99 m
Joint displaced, medium



3, 00:00:42, 7.54 m
Joint displaced, medium



4, 00:00:50, 9.32 m
Joint displaced, medium

Section Pictures - 06/05/2025 - MH45 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
53	Downstream	MH45 X	TS-2645	TS-2645



5, 00:00:54, 10.36 m
Roots, mass at joint, 10% cross-sectional area loss



6, 00:00:57, 10.72 m
Line deviates right



7, 00:00:57, 10.72 m
Joint displaced, medium



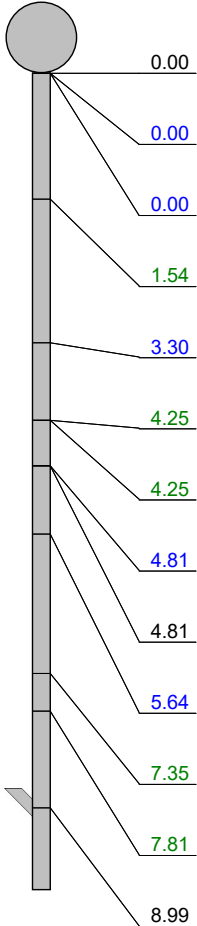
8, 00:01:31, 11.88 m
Finish node, manhole, reference: MH46 reached

Section Inspection - 06/05/2025 - MH46 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
54	1	06/05/25	12:37	TS-2645	No Rain Or Snow	No	MH46 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

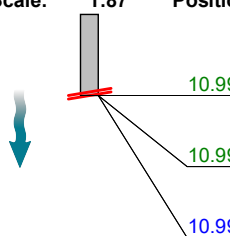
Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH46 X
Road:	Westmorland Road	Inspected Length:	10.99 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	10.99 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:87	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH46 X 							
		0.00	MH	Start node, manhole, reference: MH46 X	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension			
		0.00	GP	General photograph taken at this point	00:00:02	1	
		1.54	RFJ	Roots, fine at joint	00:00:17	2	2
		3.30	GP	General photograph taken at this point	00:00:34	3	
		4.25	LR	Line deviates right	00:00:53	4	
		4.25	LD	Line deviates down	00:00:53		
		4.81	REM	General remark: Camera connects to main public sewer between MH68 and MH69 and turns right downstream	00:00:59	5	
		4.81	SC	Pipe size changes, new size(s), 225mm high: Main public sewer pipe dimension	00:02:12		
		5.64	GP	General photograph taken at this point: Camera within main sewer	00:01:16	6	
		7.35	RFJ	Roots, fine at joint	00:02:48	7	2
		7.81	RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:02:46	8	3
		8.99	JN	Junction at 2 o'clock, 150mm dia	00:02:31	9	

Section Inspection - 06/05/2025 - MH46 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
54	1	06/05/25	12:37	TS-2645	No Rain Or Snow	No	MH46 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Scale:	1:87	Position [m]	Code	Observation	MPEG	Photo	Grade
		10.99	RTJ	Roots, tap at joint	00:02:12	10	4
		10.99	RMJ	Roots, mass at joint, 35% cross-sectional area loss	00:02:12	11	5
		10.99	SA	Survey abandoned: Unable to pass mass roots	00:02:12		

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	5	15.0	1.9	21.0	5.0

Section Pictures - 06/05/2025 - MH46 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
54	Downstream	MH46 X	TS-2645	TS-2645



1, 00:00:02, 0.00 m
General photograph taken at this point



2, 00:00:17, 1.54 m
Roots, fine at joint



3, 00:00:34, 3.30 m
General photograph taken at this point



4, 00:00:53, 4.25 m
Line deviates right

Section Pictures - 06/05/2025 - MH46 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
54	Downstream	MH46 X	TS-2645	TS-2645



5, 00:00:59, 4.81 m

General remark, Camera connects to main public sewer between MH68 and MH69 and turns right downstream



6, 00:01:16, 5.64 m

General photograph taken at this point, Camera within main sewer



7, 00:02:48, 7.35 m

Roots, fine at joint

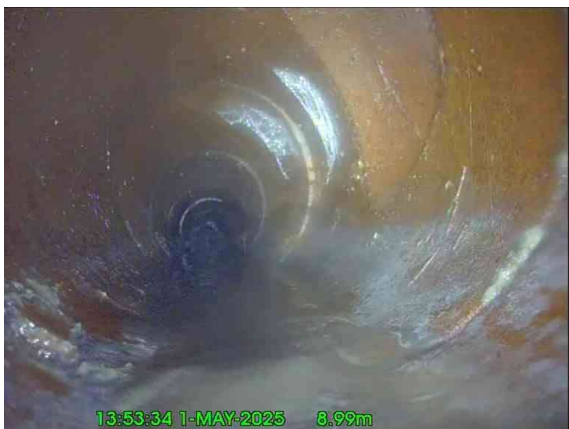


8, 00:02:46, 7.81 m

Roots, mass at joint, 5% cross-sectional area loss

Section Pictures - 06/05/2025 - MH46 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
54	Downstream	MH46 X	TS-2645	TS-2645



9, 00:02:31, 8.99 m
Junction at 2 o'clock, 150mm dia



10, 00:02:12, 10.99 m
Roots, tap at joint



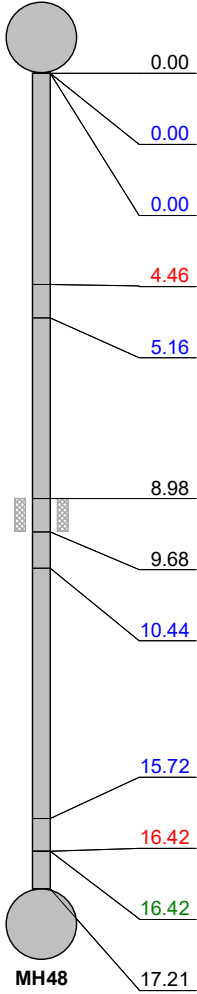
11, 00:02:12, 10.99 m
Roots, mass at joint, 35% cross-sectional area loss

Section Inspection - 09/05/2025 - MH47 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
55	1	09/05/25	10:44	TS-2645	No Rain Or Snow	Yes	MH47 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH47 X
Road:	Westmorland Road	Inspected Length:	17.21 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	17.21 m	Downstream Node:	MH48
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:150	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH47 X 						
	0.00	MH	Start node, manhole, reference: MH47 X	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	0.00	GP	General photograph taken at this point	00:00:01	1	
	4.46	JDM	Joint displaced, medium	00:00:19	2	1 / 3
	5.16	GP	General photograph taken at this point	00:00:21	3	
	8.98	S01	RPL	Point repair, localised lining from 12 o'clock to 12 o'clock, start	00:00:38	4
	9.68	F01	RPL	Point repair, localised lining from 12 o'clock to 12 o'clock, finish	00:00:41	5
	10.44	GP	General photograph taken at this point	00:00:44	6	
	15.72	GP	General photograph taken at this point	00:01:01	7	
	16.42	JDM	Joint displaced, medium	00:01:06	8	1 / 3
	16.42	LL	Line deviates left	00:01:06		
	17.21	MHF	Finish node, manhole, reference: MH48 reached	00:01:11	9	

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	0.2	4.0	3.0

Section Pictures - 09/05/2025 - MH47 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
55	Downstream	MH47 X	TS-2645	TS-2645



1, 00:00:01, 0.00 m
General photograph taken at this point



2, 00:00:19, 4.46 m
Joint displaced, medium



3, 00:00:21, 5.16 m
General photograph taken at this point



4, 00:00:38, 8.98 m
Point repair, localised lining from 12 o'clock to 12 o'clock, start

Section Pictures - 09/05/2025 - MH47 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
55	Downstream	MH47 X	TS-2645	TS-2645



5, 00:00:41, 9.68 m
Point repair, localised lining from 12 o'clock to 12 o'clock, finish



6, 00:00:44, 10.44 m
General photograph taken at this point



7, 00:01:01, 15.72 m
General photograph taken at this point



8, 00:01:06, 16.42 m
Joint displaced, medium

Section Pictures - 09/05/2025 - MH47 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
55	Downstream	MH47 X	TS-2645	TS-2645



9, 00:01:11, 17.21 m

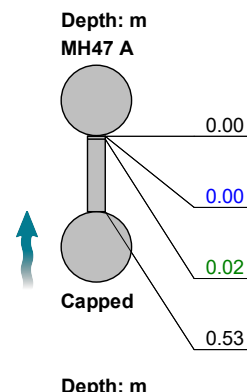
Finish node, manhole, reference: MH48 reached

Section Inspection - 09/05/2025 - Capped

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
56	1	09/05/25	10:44	TS-2645	No Rain Or Snow	No	CAPPED
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	CAPPED
Road:	Westmorland Road	Inspected Length:	0.53 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	0.53 m	Downstream Node:	MH47 A
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
							
		0.00	MH	Start node, manhole, reference: MH47 A	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension			
		0.02	LR	Line deviates right	00:00:01	1	
		0.53	OCF	Finish node, other special chamber, reference: Capped: Capped pipe reached	00:00:07	2	

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	0	0.0	0.0	0.0	1.0

Section Pictures - 09/05/2025 - Capped

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
56	Upstream	CAPPED	TS-2645	TS-2645



09:28:55 7-MAY-2025 0.02m

1, 00:00:01, 0.02 m
Line deviates right



09:29:00 7-MAY-2025 0.53m

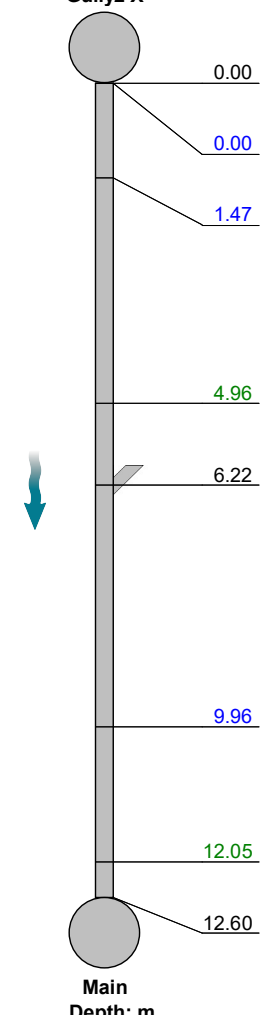
2, 00:00:07, 0.53 m
Finish node, other special chamber, reference: Capped,
Capped pipe reached

Section Inspection - 09/05/2025 - Gully2 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
57	1	09/05/25	10:42	TS-2645	No Rain Or Snow	Yes	GULLY2 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	GULLY2 X
Road:	Westmorland Road	Inspected Length:	12.60 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	12.60 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:110	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m Gully2 X 							
		0.00	GY	Start node, gully, reference: Gully2 X	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension			
		1.47	GP	General photograph taken at this point	00:00:09	1	
		4.96	LL	Line deviates left	00:00:26	2	
		6.22	JN	Junction at 9 o'clock, 150mm dia	00:00:41	3	
		9.96	GP	General photograph taken at this point	00:00:56	4	
		12.05	LR	Line deviates right	00:01:06	5	
		12.60	BRF	Finish node, major connection without manhole, reference: Main sewer between MH49 B and RE reached	00:01:10	6	

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 - 09/05/2025 - Gully2 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
57	Downstream	GULLY2 X	TS-2645	TS-2645



1, 00:00:09, 1.47 m
General photograph taken at this point



2, 00:00:26, 4.96 m
Line deviates left



3, 00:00:41, 6.22 m
Junction at 9 o'clock, 150mm dia



4, 00:00:56, 9.96 m
General photograph taken at this point

Section Pictures - 09/05/2025 - Gully2 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
57	Downstream	GULLY2 X	TS-2645	TS-2645



5, 00:01:06, 12.05 m
Line deviates right



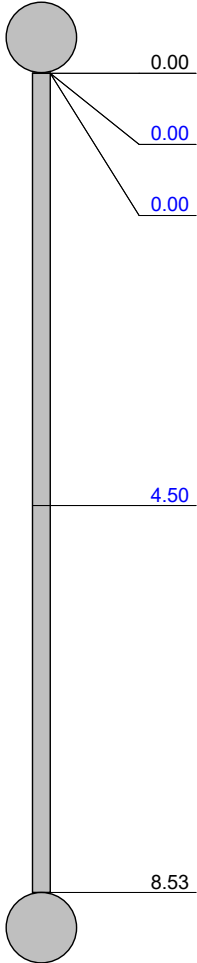
6, 00:01:10, 12.60 m
Finish node, major connection without manhole, reference:
Main sewer between MH49 B and RE reached

Section Inspection - 09/05/2025 - MH48 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
58	1	09/05/25	10:44	TS-2645	No Rain Or Snow	Yes	MH48 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH48 X
Road:	Westmorland Road	Inspected Length:	8.53 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	8.53 m	Downstream Node:	MH55
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:74	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH48 X 							
	0.00	MH	Start node, manhole, reference: MH48 X	00:00:00			
	0.00	WL	Water level, 5% of the vertical dimension				
	0.00	GP	General photograph taken at this point	00:00:01	1		
	4.50	GP	General photograph taken at this point	00:00:33	2		
	8.53	MHF	Finish node, manhole, reference: MH55 reached	00:00:58	3		

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	0	0.0	0.0	0.0	1.0

Section Pictures - 09/05/2025 - MH48 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
58	Downstream	MH48 X	TS-2645	TS-2645



1, 00:00:01, 0.00 m
General photograph taken at this point



2, 00:00:33, 4.50 m
General photograph taken at this point



3, 00:00:58, 8.53 m
Finish node, manhole, reference: MH55 reached

Section Inspection - 09/05/2025 - Downpipe

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
59	1	09/05/25	10:36	TS-2645	No Rain Or Snow	Yes	DOWNPIPE
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	Westmorland Road	Inspected Length:	17.63 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	17.63 m	Downstream Node:	MH48 B
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:153	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH48 B							
		0.00	MH	Start node, manhole, reference: MH48 B	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension			
		0.00	GP	General photograph taken at this point	00:00:01	1	
		0.37	LL	Line deviates left	00:00:10	2	
		8.44	S01 RPL	Point repair, localised lining from 12 o'clock to 12 o'clock, start	00:00:46	3	
		10.50	F01 RPL	Point repair, localised lining from 12 o'clock to 12 o'clock, finish	00:00:56	4	
		15.42	GP	General photograph taken at this point	00:01:23	5	
		17.63	DEC	Settled deposits, hard or compacted, 35% cross-sectional area loss: Unable to remove solid set debris via jetting	00:01:48	6	4
		17.63	OCF	Finish node, other special chamber, reference: Downpipe: Internal downpipe reached	00:01:48	7	
Downpipe 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
0	0.0	0.0	0.0	1.0	1	5.0	0.3	5.0	4.0

Section Pictures - 09/05/2025 - Downpipe

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
59	Upstream	DOWNPIPE	TS-2645	TS-2645



1, 00:00:01, 0.00 m
General photograph taken at this point



2, 00:00:10, 0.37 m
Line deviates left



3, 00:00:46, 8.44 m
Point repair, localised lining from 12 o'clock to 12 o'clock, start



4, 00:00:56, 10.50 m
Point repair, localised lining from 12 o'clock to 12 o'clock, finish

Section Pictures - 09/05/2025 - Downpipe

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
59	Upstream	DOWNPIPE	TS-2645	TS-2645



5, 00:01:23, 15.42 m
General photograph taken at this point



6, 00:01:48, 17.63 m
Settled deposits, hard or compacted, 35% cross-sectional area loss, Unable to remove solid set debris via jetting



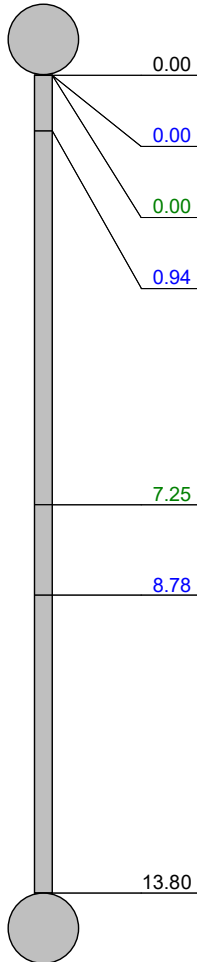
7, 00:01:48, 17.63 m
Finish node, other special chamber, reference: Downpipe,
Internal downpipe reached

Section Inspection - 09/05/2025 - Downpipe

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
60	1	09/05/25	10:37	TS-2645	No Rain Or Snow	No	DOWNPIPE
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	Westmorland Road	Inspected Length:	13.80 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	13.80 m	Downstream Node:	MH48 C
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:120	Position [m]	Code	Observation	MPEG	Photo	Grade																																										
Depth: m MH48 C  <table><tr><td>0.00</td><td>MH</td><td>Start node, manhole, reference: MH48 C</td><td>00:00:00</td><td></td><td></td></tr><tr><td>0.00</td><td>WL</td><td>Water level, 5% of the vertical dimension</td><td></td><td></td><td></td></tr><tr><td>0.00</td><td>LL</td><td>Line deviates left</td><td>00:00:01</td><td>1</td><td></td></tr><tr><td>0.94</td><td>GP</td><td>General photograph taken at this point</td><td>00:00:13</td><td>2</td><td></td></tr><tr><td>7.25</td><td>LR</td><td>Line deviates right</td><td>00:00:47</td><td>3</td><td></td></tr><tr><td>8.78</td><td>GP</td><td>General photograph taken at this point</td><td>00:00:52</td><td>4</td><td></td></tr><tr><td>13.80</td><td>OCF</td><td>Finish node, other special chamber, reference: Downpipe: Internal downpipe reached</td><td>00:01:22</td><td>5</td><td></td></tr></table> Downpipe Depth: m								0.00	MH	Start node, manhole, reference: MH48 C	00:00:00			0.00	WL	Water level, 5% of the vertical dimension				0.00	LL	Line deviates left	00:00:01	1		0.94	GP	General photograph taken at this point	00:00:13	2		7.25	LR	Line deviates right	00:00:47	3		8.78	GP	General photograph taken at this point	00:00:52	4		13.80	OCF	Finish node, other special chamber, reference: Downpipe: Internal downpipe reached	00:01:22	5	
0.00	MH	Start node, manhole, reference: MH48 C	00:00:00																																														
0.00	WL	Water level, 5% of the vertical dimension																																															
0.00	LL	Line deviates left	00:00:01	1																																													
0.94	GP	General photograph taken at this point	00:00:13	2																																													
7.25	LR	Line deviates right	00:00:47	3																																													
8.78	GP	General photograph taken at this point	00:00:52	4																																													
13.80	OCF	Finish node, other special chamber, reference: Downpipe: Internal downpipe reached	00:01:22	5																																													

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	0	0.0	0.0	0.0	1.0

Section Pictures - 09/05/2025 - Downpipe

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
60	Upstream	DOWNPIPE	TS-2645	TS-2645



1, 00:00:01, 0.00 m
Line deviates left



2, 00:00:13, 0.94 m
General photograph taken at this point



3, 00:00:47, 7.25 m
Line deviates right



4, 00:00:52, 8.78 m
General photograph taken at this point

Section Pictures - 09/05/2025 - Downpipe

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
60	Upstream	DOWNPIPE	TS-2645	TS-2645



5, 00:01:22, 13.80 m

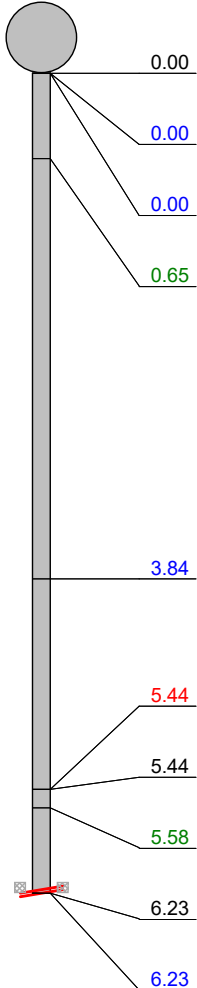
Finish node, other special chamber, reference: Downpipe,
Internal downpipe reached

Section Inspection - 09/05/2025 - Downpipe

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
61	1	09/05/25	10:37	TS-2645	No Rain Or Snow	No	DOWNPIPE
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	Westmorland Road	Inspected Length:	6.23 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	6.23 m	Downstream Node:	MH48 D
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:54	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH48 D 							
	0.00	MH	Start node, manhole, reference: MH48 D	00:00:00			
	0.00	WL	Water level, 5% of the vertical dimension				
	0.00	GP	General photograph taken at this point	00:00:01	1		
	0.65	LR	Line deviates right	00:00:10	2		
	3.84	GP	General photograph taken at this point	00:00:26	3		
	5.44	JDM	Joint displaced, medium	00:00:36	4		1 / 3
	5.44	MCPVC	Pipe material changes to polyvinyl chloride at this point	00:00:36	5		
	5.58	LL	Line deviates left	00:00:38	6		
	6.23	S01	RPL Point repair, localised lining from 12 o'clock to 12 o'clock, start	00:00:44	7		
	6.23	SA	Survey abandoned: Unable to pass sewer lining repair	00:00:44			

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	1.0	0.2	1.0	1.0	1	2.0	0.3	2.0	3.0

Section Pictures - 09/05/2025 - Downpipe

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
61	Upstream	DOWNPIPE	TS-2645	TS-2645



1, 00:00:01, 0.00 m
General photograph taken at this point



2, 00:00:10, 0.65 m
Line deviates right



3, 00:00:26, 3.84 m
General photograph taken at this point



4, 00:00:36, 5.44 m
Joint displaced, medium

Section Pictures - 09/05/2025 - Downpipe

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
61	Upstream	DOWNPIPE	TS-2645	TS-2645



5, 00:00:36, 5.44 m

Pipe material changes to polyvinyl chloride at this point



6, 00:00:38, 5.58 m

Line deviates left



7, 00:00:44, 6.23 m

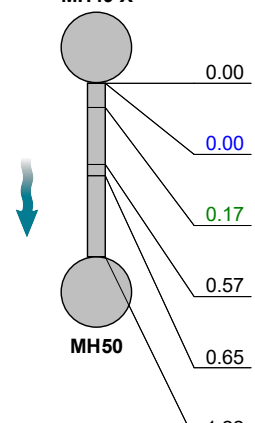
Point repair, localised lining from 12 o'clock to 12 o'clock, start

Section Inspection - 09/05/2025 - MH49 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
62	1	09/05/25	10:38	TS-2645	No Rain Or Snow	No	MH49 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH49 X
Road:	Westmorland Road	Inspected Length:	1.22 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	1.22 m	Downstream Node:	MH50
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Pipe 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 MH49 X  Depth: m							
	0.00	MH	Start node, manhole, reference: MH49 X	00:00:00			
	0.00	WL	Water level, 0% of the vertical dimension				
	0.17	DES	Settled deposits, fine, 5% cross-sectional area loss	00:00:05	1	3	
	0.57	MCPVC	Pipe material changes to polyvinyl chloride at this point	00:00:08	2		
	0.65	SC	Pipe size changes, new size(s), 150mm high	00:00:10	3		
	1.22	OSF	Finish node, oil separator, reference: MH50 reached	00:00:16	4		

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	1	2.0	1.6	2.0	3.0

Section Pictures - 09/05/2025 - MH49 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
62	Downstream	MH49 X	TS-2645	TS-2645



1, 00:00:05, 0.17 m
Settled deposits, fine, 5% cross-sectional area loss



2, 00:00:08, 0.57 m
Pipe material changes to polyvinyl chloride at this point



3, 00:00:10, 0.65 m
Pipe size changes, new size(s), 150mm high



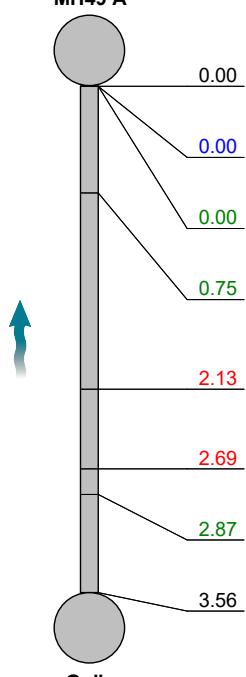
4, 00:00:16, 1.22 m
Finish node, oil separator, reference: MH50 reached

Section Inspection - 09/05/2025 - Gully

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
63	1	09/05/25	10:38	TS-2645	No Rain Or Snow	No	GULLY
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	Westmorland Road	Inspected Length:	3.56 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	3.56 m	Downstream Node:	MH49 A
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe 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 MH49 A  <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: MH49 A</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></td><td></td><td></td></tr><tr><td>0.00</td><td>LL</td><td>Line deviates left</td><td>00:00:02</td><td>1</td><td></td></tr><tr><td>0.75</td><td>LL</td><td>Line deviates left</td><td>00:00:12</td><td>2</td><td></td></tr><tr><td>2.13</td><td>JDM</td><td>Joint displaced, medium</td><td>00:00:20</td><td>3</td><td>1 / 3</td></tr><tr><td>2.69</td><td>JDL</td><td>Joint displaced, large</td><td>00:00:27</td><td>4</td><td>1 / 4</td></tr><tr><td>2.87</td><td>LU</td><td>Line deviates up</td><td>00:00:30</td><td>5</td><td></td></tr><tr><td>3.56</td><td>GYF</td><td>Finish node, gully, reference: Gully reached</td><td>00:00:38</td><td>6</td><td></td></tr></table> Gully Depth: m								Position [m]	Code	Observation	MPEG	Photo	Grade	0.00	MH	Start node, manhole, reference: MH49 A	00:00:00			0.00	WL	Water level, 0% of the vertical dimension				0.00	LL	Line deviates left	00:00:02	1		0.75	LL	Line deviates left	00:00:12	2		2.13	JDM	Joint displaced, medium	00:00:20	3	1 / 3	2.69	JDL	Joint displaced, large	00:00:27	4	1 / 4	2.87	LU	Line deviates up	00:00:30	5		3.56	GYF	Finish node, gully, reference: Gully reached	00:00:38	6	
Position [m]	Code	Observation	MPEG	Photo	Grade																																																								
0.00	MH	Start node, manhole, reference: MH49 A	00:00:00																																																										
0.00	WL	Water level, 0% of the vertical dimension																																																											
0.00	LL	Line deviates left	00:00:02	1																																																									
0.75	LL	Line deviates left	00:00:12	2																																																									
2.13	JDM	Joint displaced, medium	00:00:20	3	1 / 3																																																								
2.69	JDL	Joint displaced, large	00:00:27	4	1 / 4																																																								
2.87	LU	Line deviates up	00:00:30	5																																																									
3.56	GYF	Finish node, gully, reference: Gully reached	00:00:38	6																																																									

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	0.8	3.0	1.0	2	5.0	2.0	7.0	4.0

Section Pictures - 09/05/2025 - Gully

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
63	Upstream	GULLY	TS-2645	TS-2645



1, 00:00:02, 0.00 m
Line deviates left



2, 00:00:12, 0.75 m
Line deviates left



3, 00:00:20, 2.13 m
Joint displaced, medium



4, 00:00:27, 2.69 m
Joint displaced, large

Section Pictures - 09/05/2025 - Gully

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
63	Upstream	GULLY	TS-2645	TS-2645



10:43:18 7-MAY-2025 2.87m

5, 00:00:30, 2.87 m
Line deviates up



10:43:26 7-MAY-2025 3.56m

6, 00:00:38, 3.56 m
Finish node, gully, reference: Gully reached

Section Pictures - 09/05/2025 - RE

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
64	Upstream	RE	TS-2645	TS-2645



1, 00:00:01, 0.00 m
General photograph taken at this point



2, 00:00:20, 3.81 m
Junction at 9 o'clock, 150mm dia, from Gully2 X



3, 00:00:27, 5.35 m
General photograph taken at this point



4, 00:00:33, 6.42 m
Pipe size changes, new size(s), 150mm high

Section Pictures - 09/05/2025 - RE

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
64	Upstream	RE	TS-2645	TS-2645



5, 00:00:38, 6.78 m
Line deviates up



6, 00:00:38, 6.78 m
Open joint, medium



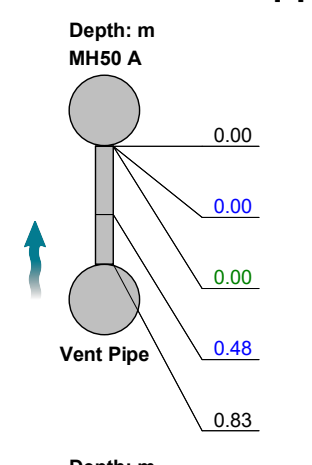
7, 00:00:45, 7.61 m
Finish node, rodding eye, reference: RE reached

Section Inspection - 09/05/2025 - Vent Pipe

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
65	1	09/05/25	10:38	TS-2645	No Rain Or Snow	No	VENT PIPE
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	VENT PIPE
Road:	Westmorland Road	Inspected Length:	0.83 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	0.83 m	Downstream Node:	MH50 A
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe Material:	Polyvinyl chloride		
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 MH50 A 0.00 0.00 0.00 0.48 0.83 Vent Pipe Depth: m							
			MH	Start node, manhole, reference: MH50 A	00:00:00		
			WL	Water level, 0% of the vertical dimension			
			LL	Line deviates left	00:00:02	1	
			GP	General photograph taken at this point	00:00:07	2	
			OCF	Finish node, other special chamber, reference: Vent Pipe: Vent Pipe reached	00:00:17	3	

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 - 09/05/2025 - Vent Pipe

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
65	Upstream	VENT PIPE	TS-2645	TS-2645



1, 00:00:02, 0.00 m
Line deviates left



2, 00:00:07, 0.48 m
General photograph taken at this point



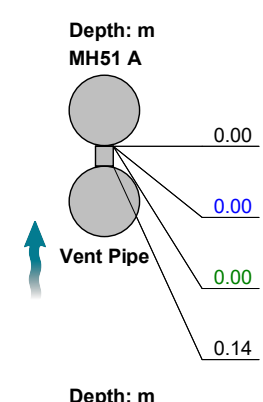
3, 00:00:17, 0.83 m
Finish node, other special chamber, reference: Vent Pipe, Vent
Pipe reached

Section Inspection - 09/05/2025 - Vent Pipe

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
66	1	09/05/25	10:38	TS-2645	No Rain Or Snow	No	VENT PIPE
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	VENT PIPE
Road:	Westmorland Road	Inspected Length:	0.14 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	0.14 m	Downstream Node:	MH51 A
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe Material:	Polyvinyl chloride		
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 MH51 A 0.00 0.00 0.00 0.14 Vent Pipe Depth: m							
			MH	Start node, manhole, reference: MH51 A	00:00:00		
			WL	Water level, 0% of the vertical dimension			
			LU	Line deviates up	00:00:03	1	
			OCF	Finish node, other special chamber, reference: Vent Pipe: Vent Pipe reached	00:00:17	2	

Construction Features

Structural Defects

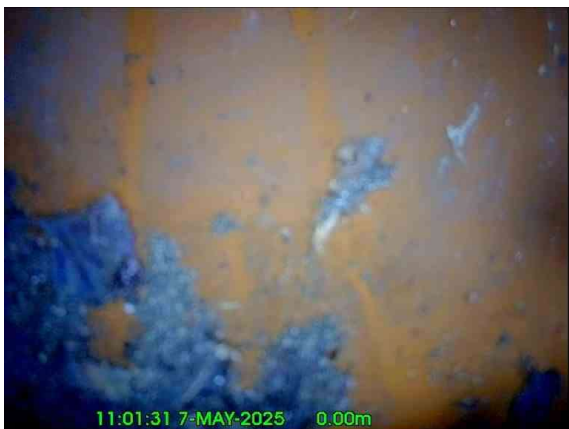
Miscellaneous Features

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	0	0.0	0.0	0.0	1.0

Section Pictures - 09/05/2025 - Vent Pipe

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
66	Upstream	VENT PIPE	TS-2645	TS-2645



1, 00:00:03, 0.00 m
Line deviates up



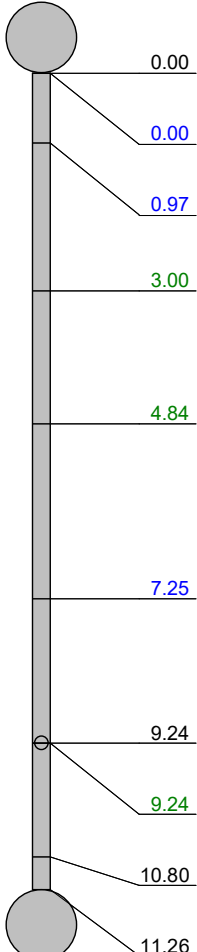
2, 00:00:17, 0.14 m
Finish node, other special chamber, reference: Vent Pipe, Vent Pipe reached

Section Inspection - 09/05/2025 - MH52 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
67	1	09/05/25	10:38	TS-2645	No Rain Or Snow	No	MH52 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH52 X
Road:	Westmorland Road	Inspected Length:	11.26 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	11.26 m	Downstream Node:	MH53
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:98	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH52 X 							
		0.00	MH	Start node, manhole, reference: MH52 X	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension			
		0.97	GP	General photograph taken at this point	00:00:11	1	
		3.00	RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:00:20	2	3
		4.84	RMJ	Roots, mass at joint, 10% cross-sectional area loss	00:00:27	3	3
		7.25	GP	General photograph taken at this point	00:00:39	4	
		9.24	JN	Junction at 12 o'clock, 150mm dia	00:00:47	5	
		9.24	DER	Settled deposits, coarse, 5% cross-sectional area loss	00:00:49	6	3
		10.80	JN	Junction at 6 o'clock, 225mm dia: External Backdrop	00:00:56	7	
		11.26	MHF	Finish node, manhole, reference: MH53 reached	00:01:04	8	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	3	4.0	0.9	10.0	3.0

Section Pictures - 09/05/2025 - MH52 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
67	Downstream	MH52 X	TS-2645	TS-2645



1, 00:00:11, 0.97 m
General photograph taken at this point



2, 00:00:20, 3.00 m
Roots, mass at joint, 5% cross-sectional area loss



3, 00:00:27, 4.84 m
Roots, mass at joint, 10% cross-sectional area loss



4, 00:00:39, 7.25 m
General photograph taken at this point

Section Pictures - 09/05/2025 - MH52 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
67	Downstream	MH52 X	TS-2645	TS-2645



5, 00:00:47, 9.24 m
Junction at 12 o'clock, 150mm dia



6, 00:00:49, 9.24 m
Settled deposits, coarse, 5% cross-sectional area loss



7, 00:00:56, 10.80 m
Junction at 6 o'clock, 225mm dia, External Backdrop



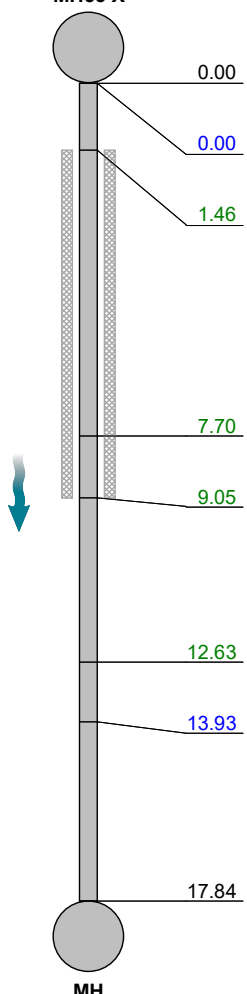
8, 00:01:04, 11.26 m
Finish node, manhole, reference: MH53 reached

Section Inspection - 09/05/2025 - MH53 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
68	1	09/05/25	10:42	TS-2645	No Rain Or Snow	No	MH53 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH53 X
Road:	Westmorland Road	Inspected Length:	17.84 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	17.84 m	Downstream Node:	MH
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	300 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:155	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH53 X  0.00 0.00 1.46 7.70 9.05 12.63 13.93 17.84 MH Depth: m							
		0.00	MH	Start node, manhole, reference: MH53 X	00:00:00		
		0.00	WL	Water level, 10% of the vertical dimension			
		1.46	S01 DER	Settled deposits, coarse, 10% cross-sectional area loss, start	00:01:34	1	
		7.70	C01 DER	Settled deposits, coarse, 5% cross-sectional area loss, change	00:00:59	2	
		9.05	F01 DER	Settled deposits, coarse, 5% cross-sectional area loss, finish	00:00:52	3	3
		12.63	LD	Line deviates down	00:00:34	4	
		13.93	GP	General photograph taken at this point	00:00:26	5	
		17.84	MHF	Finish node, manhole, reference: MH outside of survey site boundary reached: UU MH Ref: 2908	00:00:03	6	

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	0.9	16.0	3.0

Section Pictures - 09/05/2025 - MH53 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
68	Downstream	MH53 X	TS-2645	TS-2645



1, 00:01:34, 1.46 m

Settled deposits, coarse, 10% cross-sectional area loss, start



2, 00:00:59, 7.70 m

Settled deposits, coarse, 5% cross-sectional area loss, change



3, 00:00:52, 9.05 m

Settled deposits, coarse, 5% cross-sectional area loss, finish



4, 00:00:34, 12.63 m

Line deviates down

Section Pictures - 09/05/2025 - MH53 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
68	Downstream	MH53 X	TS-2645	TS-2645



5, 00:00:26, 13.93 m
General photograph taken at this point



6, 00:00:03, 17.84 m
Finish node, manhole, reference: MH outside of survey site
boundary reached, UU MH Ref: 2908

Section Inspection - 09/05/2025 - MH60 UTL

Item No. 69	Insp. No. 1	Date 09/05/25	Time 10:41	Client's Job Ref TS-2645	Weather No Rain Or Snow	Pre Cleaned Yes	PLR MH60 UTL
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	MH60 UTL
Road:	Westmorland Road	Inspected Length:	31.73 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	31.73 m	Downstream Node:	MH53 B
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	300 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:275	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH53 B 0.00 0.00 0.00 0.93 9.47 10.51 12.37 20.16 30.85 31.73 MH WL CC GP CC GP JN GP GP MHF Start node, manhole, reference: MH53 B Water level, 5% of the vertical dimension Crack, circumferential from 10 o'clock to 2 o'clock General photograph taken at this point Crack, circumferential from 8 o'clock to 4 o'clock General photograph taken at this point Junction at 10 o'clock, 150mm dia, from Gully3 X General photograph taken at this point General photograph taken at this point Finish node, manhole, reference: MH60 UTL (MH Under Fence) reached 00:00:00 00:00:02 00:00:07 00:00:34 00:00:38 00:00:46 00:01:13 00:01:37 00:01:42 1 2 3 4 5 6 7 8 2 / 2 2 / 2							

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
2	10.0	0.6	20.0	2.0	2	1.0	0.1	2.0	2.0

Section Pictures - 09/05/2025 - MH60 UTL

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
69	Upstream	MH60 UTL	TS-2645	TS-2645



1, 00:00:02, 0.00 m
Crack, circumferential from 10 o'clock to 2 o'clock



2, 00:00:07, 0.93 m
General photograph taken at this point



3, 00:00:34, 9.47 m
Crack, circumferential from 8 o'clock to 4 o'clock



4, 00:00:38, 10.51 m
General photograph taken at this point

Section Pictures - 09/05/2025 - MH60 UTL

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
69	Upstream	MH60 UTL	TS-2645	TS-2645



5, 00:00:46, 12.37 m
Junction at 10 o'clock, 150mm dia, from Gully3 X



6, 00:01:13, 20.16 m
General photograph taken at this point



7, 00:01:37, 30.85 m
General photograph taken at this point



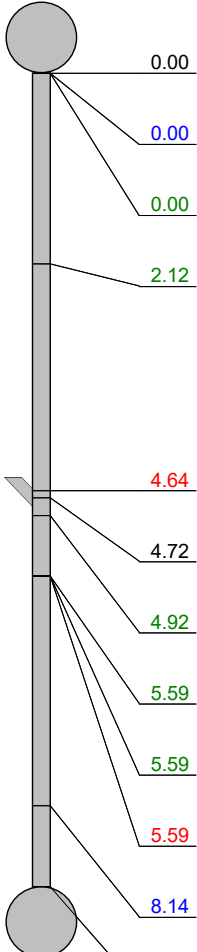
8, 00:01:42, 31.73 m
Finish node, manhole, reference: MH60 UTL (MH Under Fence) reached

Section Inspection - 09/05/2025 - Gully3 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
70	1	09/05/25	10:44	TS-2645	No Rain Or Snow	No	GULLY3 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	GULLY3 X
Road:	Westmorland Road	Inspected Length:	9.04 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	9.04 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:79	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m Gully3 X 						
	0.00	MH	Start node, manhole, reference: Gully3 X	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	0.00	LL	Line deviates left	00:00:02	1	
	2.12	LL	Line deviates left	00:00:14	2	
	4.64	JDM	Joint displaced, medium	00:00:22	3	1 / 3
	4.72	JN	Junction at 2 o'clock, 100mm dia	00:00:23	4	
	4.92	DER	Settled deposits, coarse, 10% cross-sectional area loss	00:00:23	5	3
	5.59	LL	Line deviates left	00:00:24	6	
	5.59	LD	Line deviates down	00:00:24		
	5.59	JDL	Joint displaced, large	00:00:24	7	1 / 4
	8.14	GP	General photograph taken at this point	00:00:30	8	
	9.04	BRF	Finish node, major connection without manhole, reference: Main sewer between MH60 UTL and MH53 reached	00:00:33	9	

Construction Features
Miscellaneous Features
Structural Defects
Service & Operational Observations

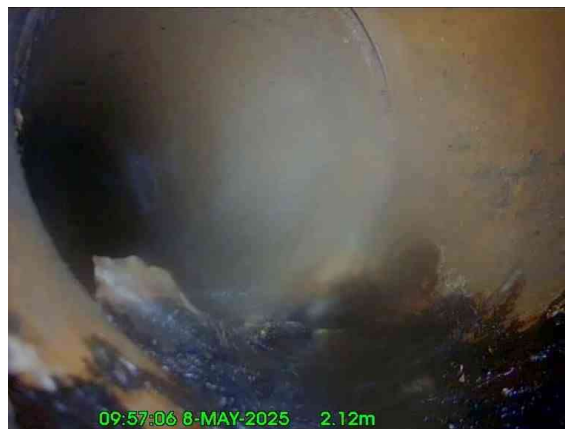
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
2	2.0	0.3	3.0	1.0	3	5.0	1.0	9.0	4.0

Section Pictures - 09/05/2025 - Gully3 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
70	Downstream	GULLY3 X	TS-2645	TS-2645



1, 00:00:02, 0.00 m
Line deviates left



2, 00:00:14, 2.12 m
Line deviates left



3, 00:00:22, 4.64 m
Joint displaced, medium



4, 00:00:23, 4.72 m
Junction at 2 o'clock, 100mm dia

Section Pictures - 09/05/2025 - Gully3 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
70	Downstream	GULLY3 X	TS-2645	TS-2645



5, 00:00:23, 4.92 m
Settled deposits, coarse, 10% cross-sectional area loss



6, 00:00:24, 5.59 m
Line deviates left



7, 00:00:24, 5.59 m
Joint displaced, large



8, 00:00:30, 8.14 m
General photograph taken at this point

Section Pictures - 09/05/2025 - Gully3 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
70	Downstream	GULLY3 X	TS-2645	TS-2645



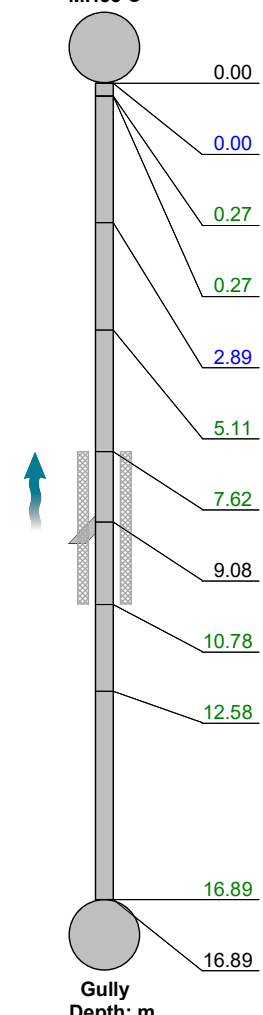
9, 00:00:33, 9.04 m
 Finish node, major connection without manhole, reference:
 Main sewer between MH60 UTL and MH53 reached

Section Inspection - 09/05/2025 - Gully

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
71	1	09/05/25	10:41	TS-2645	No Rain Or Snow	No	GULLY
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	Westmorland Road	Inspected Length:	16.89 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	16.89 m	Downstream Node:	MH53 C
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe 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 MH53 C  Gully Depth: m						
	0.00	MH	Start node, manhole, reference: MH53 C	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	0.27	LR	Line deviates right	00:00:06	1	
	0.27	LU	Line deviates up	00:00:12		
	2.89	GP	General photograph taken at this point	00:00:20	2	
	5.11	DES	Settled deposits, fine, 10% cross-sectional area loss	00:00:31	3	3
	7.62	S01 DES	Settled deposits, fine, 10% cross-sectional area loss, start	00:00:38	4	
	9.08	JN	Junction at 3 o'clock, 150mm dia	00:00:44	5	
	10.78	F01 DES	Settled deposits, fine, 10% cross-sectional area loss, finish	00:00:52	6	3
	12.58	DES	Settled deposits, fine, 20% cross-sectional area loss	00:01:00	7	4
	16.89	RMJ	Roots, mass at joint, 25% cross-sectional area loss: At entry to gully	00:01:25	8	5
	16.89	GYF	Finish node, gully, reference: Gully reached	00:01:25	9	

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	10.0	1.5	25.0	5.0

Section Pictures - 09/05/2025 - Gully

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
71	Upstream	GULLY	TS-2645	TS-2645



1, 00:00:06, 0.27 m
Line deviates right



2, 00:00:20, 2.89 m
General photograph taken at this point



3, 00:00:31, 5.11 m
Settled deposits, fine, 10% cross-sectional area loss



4, 00:00:38, 7.62 m
Settled deposits, fine, 10% cross-sectional area loss, start

Section Pictures - 09/05/2025 - Gully

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
71	Upstream	GULLY	TS-2645	TS-2645



5, 00:00:44, 9.08 m
Junction at 3 o'clock, 150mm dia



6, 00:00:52, 10.78 m
Settled deposits, fine, 10% cross-sectional area loss, finish



7, 00:01:00, 12.58 m
Settled deposits, fine, 20% cross-sectional area loss



8, 00:01:25, 16.89 m
Roots, mass at joint, 25% cross-sectional area loss, At entry to gully

Section Pictures - 09/05/2025 - Gully

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
71	Upstream	GULLY	TS-2645	TS-2645



14:19:10 7-MAY-2025 16.89m

9, 00:01:25, 16.89 m

Finish node, gully, reference: Gully reached

Section Inspection - 09/05/2025 - MH54 X

Item No. 72	Insp. No. 1	Date 09/05/25	Time 10:39	Client's Job Ref TS-2645	Weather No Rain Or Snow	Pre Cleaned No	PLR MH54 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH54 X
Road:	Westmorland Road	Inspected Length:	12.12 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	12.12 m	Downstream Node:	MH52
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water		Pipe Shape:	Circular	
Type of Pipe:	Gravity drain/sewer		Dia/Height:	225 mm	
Flow Control:	No flow control		Pipe Material:	Vitrified clay	
Year Constructed:	Not Specified		Lining Type:	No Lining	
Inspection Purpose:	Routine inspection		Lining Material:	No Lining	

Comments:

Recommendations:

Scale:	1:105	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH54 X 0.00 0.00 0.00 2.76 5.17 7.70 12.12 MH52 Depth: m	0.00	MH	Start node, manhole, reference: MH54 X	00:00:00			
	0.00	WL	Water level, 5% of the vertical dimension				
	0.00	GP	General photograph taken at this point	00:00:02	1		
	2.76	JN	Junction at 10 o'clock, 150mm dia	00:00:17	2		
	5.17	JN	Junction at 10 o'clock, 150mm dia	00:00:50	3		
	7.70	GP	General photograph taken at this point	00:01:06	4		
	12.12	MHF	Finish node, manhole, reference: MH52 reached	00:01:28	5		

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 - 09/05/2025 - MH54 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
72	Downstream	MH54 X	TS-2645	TS-2645



1, 00:00:02, 0.00 m
General photograph taken at this point



2, 00:00:17, 2.76 m
Junction at 10 o'clock, 150mm dia



3, 00:00:50, 5.17 m
Junction at 10 o'clock, 150mm dia



4, 00:01:06, 7.70 m
General photograph taken at this point

Section Pictures - 09/05/2025 - MH54 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
72	Downstream	MH54 X	TS-2645	TS-2645



5, 00:01:28, 12.12 m

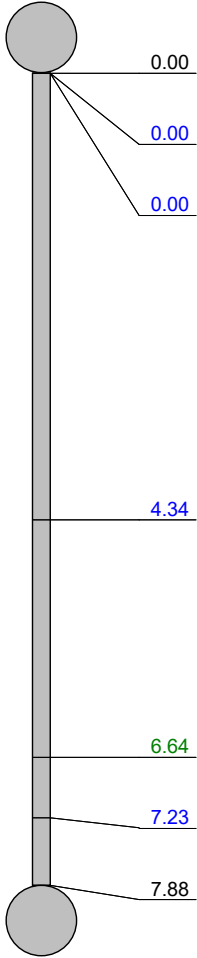
Finish node, manhole, reference: MH52 reached

Section Inspection - 09/05/2025 - Downpipe

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
73	1	09/05/25	10:39	TS-2645	No Rain Or Snow	No	DOWNPIPE
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	Westmorland Road	Inspected Length:	7.88 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	7.88 m	Downstream Node:	MH54 A
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Polyethylene		
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 MH54 A 							
		0.00	MH	Start node, manhole, reference: MH54 A	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension			
		0.00	GP	General photograph taken at this point	00:00:01	1	
		4.34	GP	General photograph taken at this point	00:00:18	2	
		6.64	LL	Line deviates left	00:00:34	3	
		7.23	WL	Water level, 35% of the vertical dimension: Water standing in sewer at this point	00:00:38	4	
		7.88	OCF	Finish node, other special chamber, reference: Downpipe: Internal downpipe reached	00:00:45	5	
Downpipe 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
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 09/05/2025 - Downpipe

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
73	Upstream	DOWNPIPE	TS-2645	TS-2645



12:05:03 7-MAY-2025 0.00m

1, 00:00:01, 0.00 m

General photograph taken at this point



12:05:20 7-MAY-2025 4.34m

2, 00:00:18, 4.34 m

General photograph taken at this point



12:05:37 7-MAY-2025 6.64m

3, 00:00:34, 6.64 m

Line deviates left



12:05:42 7-MAY-2025 7.23m

4, 00:00:38, 7.23 m

Water level, 35% of the vertical dimension, Water standing in sewer at this point

Section Pictures - 09/05/2025 - Downpipe

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
73	Upstream	DOWNPIPE	TS-2645	TS-2645



5, 00:00:45, 7.88 m

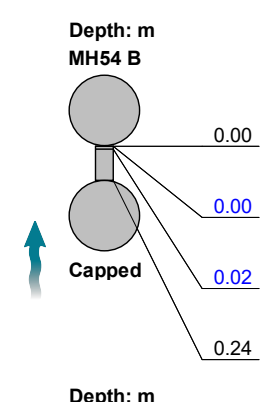
Finish node, other special chamber, reference: Downpipe,
Internal downpipe reached

Section Inspection - 09/05/2025 - Capped

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
74	1	09/05/25	10:38	TS-2645	No Rain Or Snow	No	CAPPED
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	CAPPED
Road:	Westmorland Road	Inspected Length:	0.24 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	0.24 m	Downstream Node:	MH54 B
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
							
		0.00	MH	Start node, manhole, reference: MH54 B	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension			
		0.02	GP	General photograph taken at this point	00:00:03	1	
		0.24	OCF	Finish node, other special chamber, reference: Capped: Capped pipe reached	00:00:08	2	

Construction Features

Structural Defects

Miscellaneous Features

Service & Operational Observations

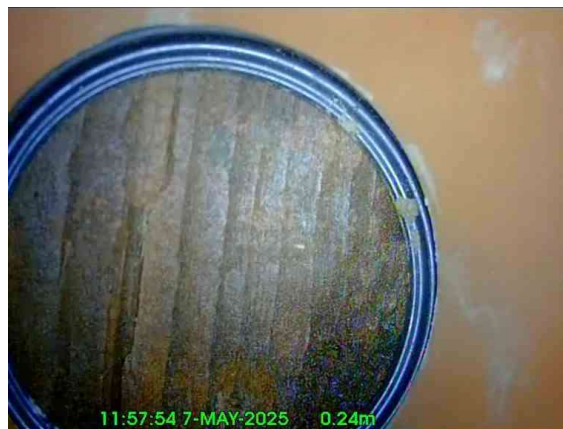
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 09/05/2025 - Capped

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
74	Upstream	CAPPED	TS-2645	TS-2645



1, 00:00:03, 0.02 m
General photograph taken at this point



2, 00:00:08, 0.24 m
Finish node, other special chamber, reference: Capped,
Capped pipe reached

Section Pictures - 09/05/2025 - MH55 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
75	Downstream	MH55 X	TS-2645	TS-2645



1, 00:00:03, 0.00 m
General photograph taken at this point



2, 00:00:24, 5.86 m
General photograph taken at this point



3, 00:00:40, 10.09 m
Pipe size changes, new size(s), 150mm high



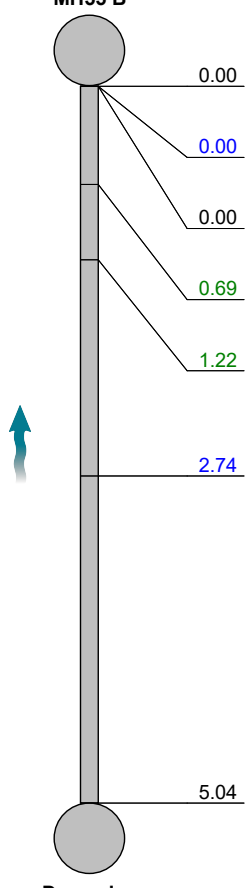
4, 00:00:48, 11.01 m
Finish node, manhole, reference: MH56 reached

Section Inspection - 09/05/2025 - Downpipe

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
76	1	09/05/25	10:39	TS-2645	No Rain Or Snow	No	DOWNPIPE
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	Westmorland Road	Inspected Length:	5.04 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	5.04 m	Downstream Node:	MH55 B
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe 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 MH55 B  <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: MH55 B</td><td>00:00:00</td><td></td><td></td></tr><tr><td>0.00</td><td>WL</td><td>Water level, 5% of the vertical dimension</td><td></td><td></td><td></td></tr><tr><td>0.00</td><td>JN</td><td>Junction at 6 o'clock, 100mm dia: External Backdrop</td><td>00:00:02</td><td>1</td><td></td></tr><tr><td>0.69</td><td>LR</td><td>Line deviates right</td><td>00:00:11</td><td>2</td><td></td></tr><tr><td>1.22</td><td>LL</td><td>Line deviates left</td><td>00:00:15</td><td>3</td><td></td></tr><tr><td>2.74</td><td>GP</td><td>General photograph taken at this point</td><td>00:00:28</td><td>4</td><td></td></tr><tr><td>5.04</td><td>OCF</td><td>Finish node, other special chamber, reference: Downpipe: Internal downpipe reached</td><td>00:00:41</td><td>5</td><td></td></tr></table> Downpipe Depth: m								Position [m]	Code	Observation	MPEG	Photo	Grade	0.00	MH	Start node, manhole, reference: MH55 B	00:00:00			0.00	WL	Water level, 5% of the vertical dimension				0.00	JN	Junction at 6 o'clock, 100mm dia: External Backdrop	00:00:02	1		0.69	LR	Line deviates right	00:00:11	2		1.22	LL	Line deviates left	00:00:15	3		2.74	GP	General photograph taken at this point	00:00:28	4		5.04	OCF	Finish node, other special chamber, reference: Downpipe: Internal downpipe reached	00:00:41	5	
Position [m]	Code	Observation	MPEG	Photo	Grade																																																		
0.00	MH	Start node, manhole, reference: MH55 B	00:00:00																																																				
0.00	WL	Water level, 5% of the vertical dimension																																																					
0.00	JN	Junction at 6 o'clock, 100mm dia: External Backdrop	00:00:02	1																																																			
0.69	LR	Line deviates right	00:00:11	2																																																			
1.22	LL	Line deviates left	00:00:15	3																																																			
2.74	GP	General photograph taken at this point	00:00:28	4																																																			
5.04	OCF	Finish node, other special chamber, reference: Downpipe: Internal downpipe reached	00:00:41	5																																																			

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	0	0.0	0.0	0.0	1.0

Section Pictures - 09/05/2025 - Downpipe

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
76	Upstream	DOWNPIPE	TS-2645	TS-2645



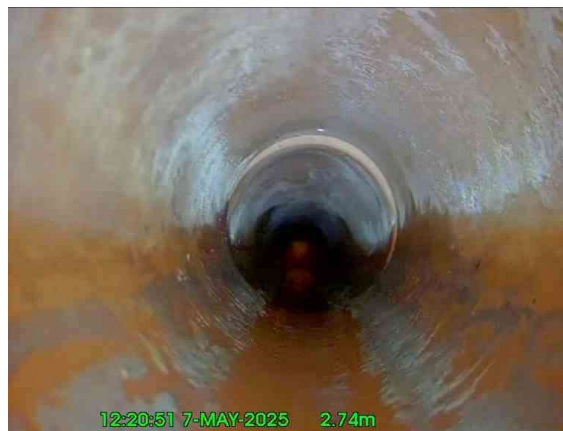
1, 00:00:02, 0.00 m
Junction at 6 o'clock, 100mm dia, External Backdrop



2, 00:00:11, 0.69 m
Line deviates right



3, 00:00:15, 1.22 m
Line deviates left



4, 00:00:28, 2.74 m
General photograph taken at this point

Section Pictures - 09/05/2025 - Downpipe

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
76	Upstream	DOWNPIPE	TS-2645	TS-2645



5, 00:00:41, 5.04 m

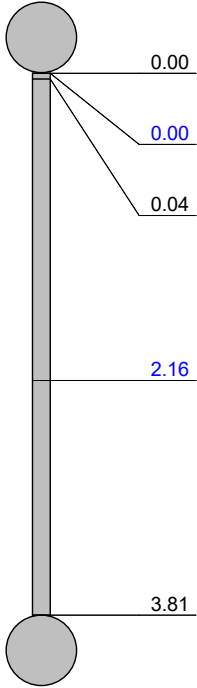
Finish node, other special chamber, reference: Downpipe,
Internal downpipe reached

Section Inspection - 09/05/2025 - Downpipe

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
77	1	09/05/25	10:39	TS-2645	No Rain Or Snow	No	DOWNPIPE
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	Westmorland Road	Inspected Length:	3.81 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	3.81 m	Downstream Node:	MH55 C
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe 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 MH55 C  Downpipe Depth: m							
	0.00	MH	Start node, manhole, reference: MH55 C	00:00:00			
	0.00	WL	Water level, 5% of the vertical dimension				
	0.04	JN	Junction at 6 o'clock, 100mm dia: External Backdrop	00:00:08		1	
	2.16	GP	General photograph taken at this point	00:00:38		2	
	3.81	OCF	Finish node, other special chamber, reference: Downpipe: Internal downpipe reached	00:00:44		3	

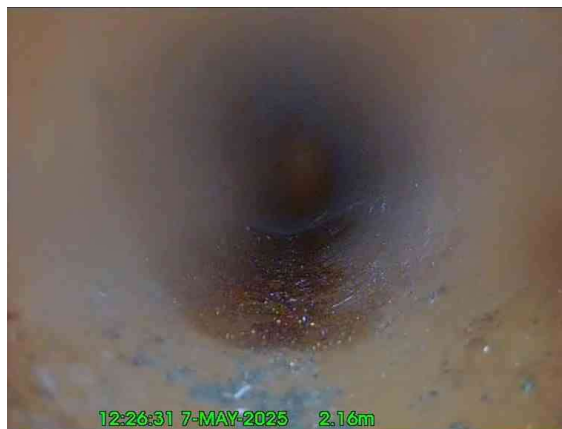
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 09/05/2025 - Downpipe

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
77	Upstream	DOWNPIPE	TS-2645	TS-2645



1, 00:00:08, 0.04 m
Junction at 6 o'clock, 100mm dia, External Backdrop



2, 00:00:38, 2.16 m
General photograph taken at this point



3, 00:00:44, 3.81 m
Finish node, other special chamber, reference: Downpipe,
Internal downpipe reached

Section Pictures - 09/05/2025 - MH56 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
78	Downstream	MH56 X	TS-2645	TS-2645



1, 00:00:01, 0.00 m
General photograph taken at this point



2, 00:00:32, 4.49 m
General photograph taken at this point



3, 00:00:49, 8.81 m
Finish node, manhole, reference: MH63 reached

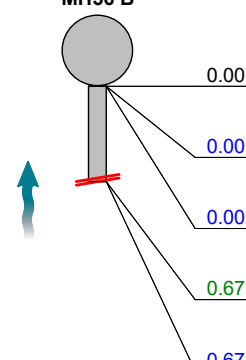
Section Inspection - 09/05/2025 - Downpipe

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
79	1	09/05/25	10:40	TS-2645	No Rain Or Snow	No	DOWNPIPE
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	Westmorland Road	Inspected Length:	0.67 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	0.67 m	Downstream Node:	MH56 B
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe 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 MH56 B  <table><tr><td>0.00</td><td>MH</td><td>Start node, manhole, reference: MH56 B</td><td>00:00:00</td><td></td><td></td></tr><tr><td>0.00</td><td>WL</td><td>Water level, 5% of the vertical dimension</td><td></td><td></td><td></td></tr><tr><td>0.00</td><td>GP</td><td>General photograph taken at this point</td><td>00:00:02</td><td>1</td><td></td></tr><tr><td>0.67</td><td>LU</td><td>Line deviates up</td><td>00:00:13</td><td>2</td><td></td></tr><tr><td>0.67</td><td>SA</td><td>Survey abandoned: Unable to pass upward deviation</td><td>00:00:13</td><td></td><td></td></tr></table>								0.00	MH	Start node, manhole, reference: MH56 B	00:00:00			0.00	WL	Water level, 5% of the vertical dimension				0.00	GP	General photograph taken at this point	00:00:02	1		0.67	LU	Line deviates up	00:00:13	2		0.67	SA	Survey abandoned: Unable to pass upward deviation	00:00:13		
0.00	MH	Start node, manhole, reference: MH56 B	00:00:00																																		
0.00	WL	Water level, 5% of the vertical dimension																																			
0.00	GP	General photograph taken at this point	00:00:02	1																																	
0.67	LU	Line deviates up	00:00:13	2																																	
0.67	SA	Survey abandoned: Unable to pass upward deviation	00:00:13																																		

Construction Features

Structural Defects

Miscellaneous Features

Service & Operational Observations

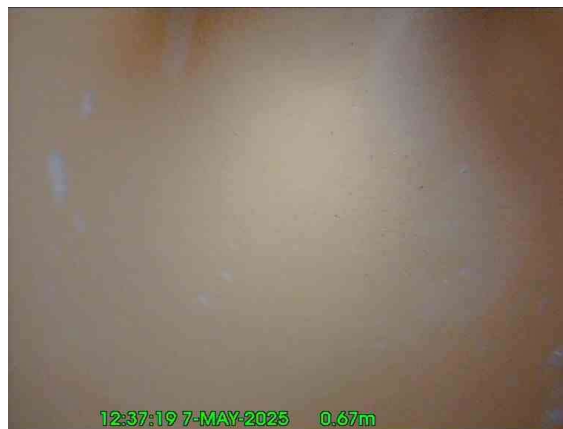
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 09/05/2025 - Downpipe

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
79	Upstream	DOWNPIPE	TS-2645	TS-2645



1, 00:00:02, 0.00 m
General photograph taken at this point



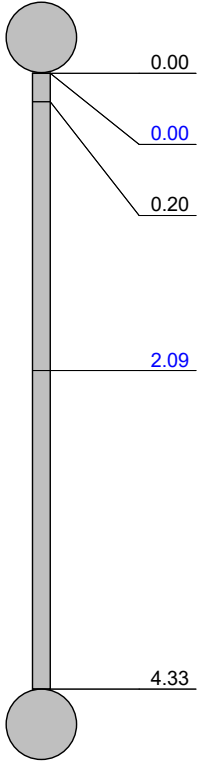
2, 00:00:13, 0.67 m
Line deviates up

Section Inspection - 09/05/2025 - Downpipe

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
80	1	09/05/25	10:40	TS-2645	No Rain Or Snow	No	DOWNPIPE
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	Westmorland Road	Inspected Length:	4.33 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	4.33 m	Downstream Node:	MH56 C
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe 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 MH56 C 							
	0.00	MH	Start node, manhole, reference: MH56 C	00:00:00			
	0.00	WL	Water level, 5% of the vertical dimension				
	0.20	JN	Junction at 6 o'clock, 100mm dia: External Backdrop	00:00:08		1	
	2.09	GP	General photograph taken at this point	00:00:18		2	
	4.33	OCF	Finish node, other special chamber, reference: Downpipe: Internal downpipe reached	00:00:32		3	
Downpipe Depth: m							

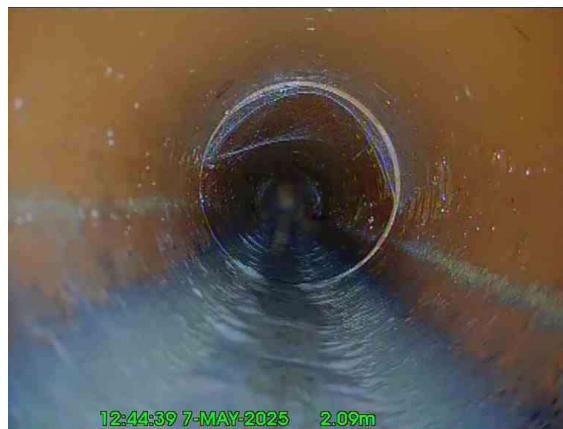
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 09/05/2025 - Downpipe

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
80	Upstream	DOWNPIPE	TS-2645	TS-2645



1, 00:00:08, 0.20 m
Junction at 6 o'clock, 100mm dia, External Backdrop



2, 00:00:18, 2.09 m
General photograph taken at this point



3, 00:00:32, 4.33 m
Finish node, other special chamber, reference: Downpipe,
Internal downpipe reached

Section Inspection - 09/05/2025 - MH57 X

Item No. 81	Insp. No. 1	Date 09/05/25	Time 10:40	Client's Job Ref TS-2645	Weather No Rain Or Snow	Pre Cleaned No	PLR MH57 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH57 X
Location:	Westmorland Road	Inspected Length:	8.10 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	8.10 m	Downstream Node:	MH58
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water		Pipe Shape:	Circular	
Type of Pipe:	Gravity drain/sewer		Dia/Height:	150 mm	
Flow Control:	No flow control		Pipe Material:	Vitrified clay	
Year Constructed:	Not Specified		Lining Type:	No Lining	
Inspection Purpose:	Routine inspection		Lining Material:	No Lining	

Comments:

Recommendations:

Scale:	1:71	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH57 X 0.00 0.00 0.17 1.75 4.92 6.46 6.46 7.63 7.70 8.10 Depth: m MH58							
	MH	Start node, manhole, reference: MH57 X	00:00:00				
	WL	Water level, 5% of the vertical dimension					
	S01	DER	Settled deposits, coarse, 10% cross-sectional area loss, start	00:00:55	1		
	JDM	Joint displaced, medium	00:00:45	2	1 / 3		
	GP	General photograph taken at this point	00:00:27	3			
	F01	DER	Settled deposits, coarse, 10% cross-sectional area loss, finish	00:00:19		3	
	WL	Water level, 20% of the vertical dimension: Water standing in sewer	00:00:19	4			
	LR	Line deviates right	00:00:10	5			
WL	Water level, 10% of the vertical dimension	00:00:08					
OSF	Finish node, oil separator, reference: MH58 reached	00:00:02	6				

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	1.0	0.1	1.0	1.0	2	4.0	2.0	16.0	3.0

Section Pictures - 09/05/2025 - MH57 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
81	Downstream	MH57 X	TS-2645	TS-2645



1, 00:00:55, 0.17 m
Settled deposits, coarse, 10% cross-sectional area loss, start



2, 00:00:45, 1.75 m
Joint displaced, medium



3, 00:00:27, 4.92 m
General photograph taken at this point



4, 00:00:19, 6.46 m
Water level, 20% of the vertical dimension, Water standing in sewer

Section Pictures - 09/05/2025 - MH57 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
81	Downstream	MH57 X	TS-2645	TS-2645



5, 00:00:10, 7.63 m
Line deviates right



6, 00:00:02, 8.10 m
Finish node, oil separator, reference: MH58 reached

Section Pictures - 09/05/2025 - Gully

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
82	Upstream	GULLY	TS-2645	TS-2645



1, 00:00:15, 1.52 m
General photograph taken at this point



2, 00:00:29, 3.26 m
General photograph taken at this point



3, 00:00:53, 6.38 m
Finish node, gully, reference: Gully reached

Section Inspection - 09/05/2025 - Buried Gly

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
83	1	09/05/25	10:40	TS-2645	No Rain Or Snow	No	BURIED GLY
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	BURIED GLY
Road:	Westmorland Road	Inspected Length:	4.27 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	4.27 m	Downstream Node:	MH57 B
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe 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 MH57 B 0.00 0.00 0.00 2.65 4.27 Buried Gly Depth: m							
		0.00	MH	Start node, manhole, reference: MH57 B	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension			
		0.00	LL	Line deviates left	00:00:06	1	
		2.65	GP	General photograph taken at this point	00:00:23	2	
		4.27	GYF	Finish node, gully, reference: Buried Gully reached	00:00:30	3	

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 - 09/05/2025 - Buried Gly

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
83	Upstream	BURIED GLY	TS-2645	TS-2645



1, 00:00:06, 0.00 m
Line deviates left



2, 00:00:23, 2.65 m
General photograph taken at this point



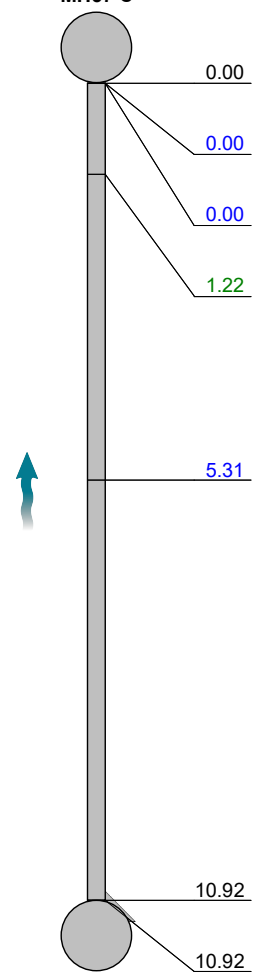
3, 00:00:30, 4.27 m
Finish node, gully, reference: Buried Gully reached

Section Inspection - 09/05/2025 - Capped

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
84	1	09/05/25	10:40	TS-2645	No Rain Or Snow	No	CAPPED
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	CAPPED
Road:	Westmorland Road	Inspected Length:	10.92 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	10.92 m	Downstream Node:	MH57 C
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:95	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH57 C 							
	0.00	MH	Start node, manhole, reference: MH57 C	00:00:00			
	0.00	WL	Water level, 0% of the vertical dimension				
	0.00	GP	General photograph taken at this point	00:00:01	1		
	1.22	LL	Line deviates left	00:00:07	2		
	5.31	GP	General photograph taken at this point	00:00:22	3		
	10.92	JN	Junction at 9 o'clock, 100mm dia	00:00:44	4		
	10.92	OCF	Finish node, other special chamber, reference: Capped: Capped pipe reached	00:00:44	5		
Capped 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
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 09/05/2025 - Capped

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
84	Upstream	CAPPED	TS-2645	TS-2645



1, 00:00:01, 0.00 m
General photograph taken at this point



2, 00:00:07, 1.22 m
Line deviates left



3, 00:00:22, 5.31 m
General photograph taken at this point



4, 00:00:44, 10.92 m
Junction at 9 o'clock, 100mm dia

Section Pictures - 09/05/2025 - Capped

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
84	Upstream	CAPPED	TS-2645	TS-2645



5, 00:00:44, 10.92 m

Finish node, other special chamber, reference: Capped,
Capped pipe reached

Section Pictures - 09/05/2025 - Capped

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
85	Upstream	CAPPED	TS-2645	TS-2645



1, 00:00:08, 0.51 m
Line deviates right



2, 00:00:22, 2.77 m
General photograph taken at this point



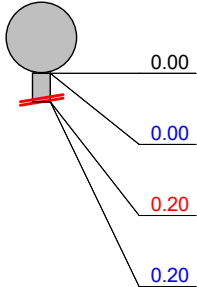
3, 00:00:33, 4.84 m
Finish node, other special chamber, reference: Capped,
Capped pipe reached

Section Inspection - 09/05/2025 - Gully4 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
86	1	09/05/25	10:45	TS-2645	No Rain Or Snow	No	GULLY4 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	GULLY4 X
Road:	Westmorland Road	Inspected Length:	0.20 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	0.20 m	Downstream Node:	MH60 UTL
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe 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 Gully4 X 							
		0.00	GY	Start node, gully, reference: Gully4 X	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension			
		0.20	JDL	Joint displaced, large	00:00:05	1	1 / 4
		0.20	SA	Survey abandoned: Unable to pass displaced joint	00:00:05		

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
1	2.0	10.0	2.0	1.0	1	5.0	25.0	5.0	5.0

Section Pictures - 09/05/2025 - Gully4 X

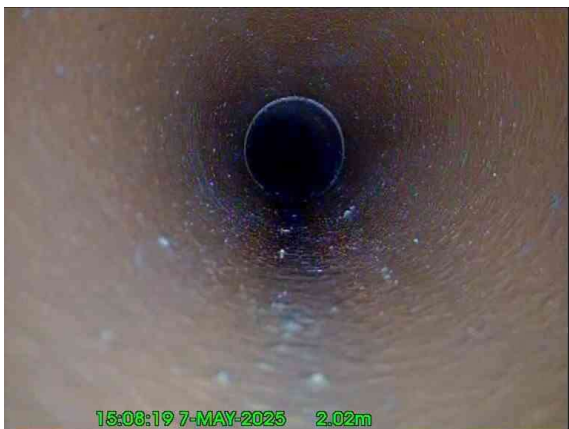
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
86	Downstream	GULLY4 X	TS-2645	TS-2645



1, 00:00:05, 0.20 m
Joint displaced, large

Section Pictures - 09/05/2025 - MH61 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
87	Downstream	MH61 X	TS-2645	TS-2645



1, 00:00:14, 2.02 m
General photograph taken at this point



2, 00:00:26, 5.36 m
General photograph taken at this point



3, 00:00:44, 10.57 m
General photograph taken at this point



4, 00:01:22, 17.93 m
Finish node, manhole, reference: MH62 reached

Section Inspection - 09/05/2025 - Capped

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
88	1	09/05/25	10:42	TS-2645	No Rain Or Snow	No	CAPPED
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	CAPPED
Road:	Westmorland Road	Inspected Length:	4.34 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	4.34 m	Downstream Node:	MH61 A
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe 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 MH61 A 0.00 0.00 0.00 2.11 4.34 Capped Depth: m							
		0.00	MH	Start node, manhole, reference: MH61 A	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension			
		0.00	GP	General photograph taken at this point	00:00:04	1	
		2.11	GP	General photograph taken at this point	00:00:13	2	
		4.34	OCF	Finish node, other special chamber, reference: Capped: Capped pipe reached	00:00:24	3	

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 - 09/05/2025 - Capped

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
88	Upstream	CAPPED	TS-2645	TS-2645



1, 00:00:04, 0.00 m
General photograph taken at this point



2, 00:00:13, 2.11 m
General photograph taken at this point



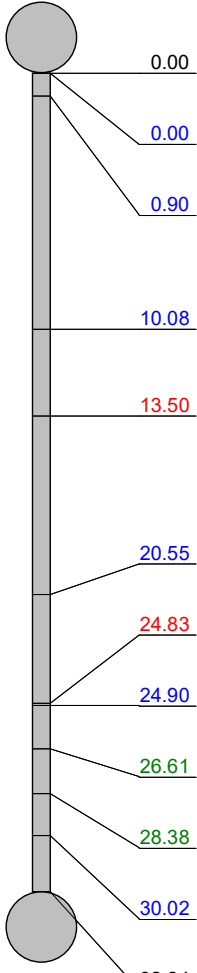
3, 00:00:24, 4.34 m
Finish node, other special chamber, reference: Capped,
Capped pipe reached

Section Inspection - 09/05/2025 - MH62 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
89	1	09/05/25	10:43	TS-2645	No Rain Or Snow	No	MH62 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH62 X
Road:	Westmorland Road	Inspected Length:	32.24 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	32.24 m	Downstream Node:	MH64
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:280	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH62 X 							
	0.00	MH	Start node, manhole, reference: MH62 X	00:00:00			
	0.00	WL	Water level, 5% of the vertical dimension				
	0.90	GP	General photograph taken at this point	00:00:07	1		
	10.08	GP	General photograph taken at this point	00:00:44	2		
	13.50	JDM	Joint displaced, medium	00:01:00	3		1 / 3
	20.55	GP	General photograph taken at this point	00:01:29	4		
	24.83	JDM	Joint displaced, medium	00:01:46	5		1 / 3
	24.90	WL	Water level, 10% of the vertical dimension	00:01:52			
	26.61	LL	Line deviates left	00:01:55	6		
	28.38	LR	Line deviates right	00:02:06	7		
	30.02	WL	Water level, 20% of the vertical dimension: Water standing in sewer	00:02:47	8		
	32.24	MHF	Finish node, manhole, reference: MH64 reached: UU MH Ref: 2902	00:02:32	9		

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	1.0	0.1	2.0	1.0	2	2.0	0.1	4.0	3.0

Section Pictures - 09/05/2025 - MH62 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
89	Downstream	MH62 X	TS-2645	TS-2645



1, 00:00:07, 0.90 m
General photograph taken at this point



2, 00:00:44, 10.08 m
General photograph taken at this point



3, 00:01:00, 13.50 m
Joint displaced, medium



4, 00:01:29, 20.55 m
General photograph taken at this point

Section Pictures - 09/05/2025 - MH62 X

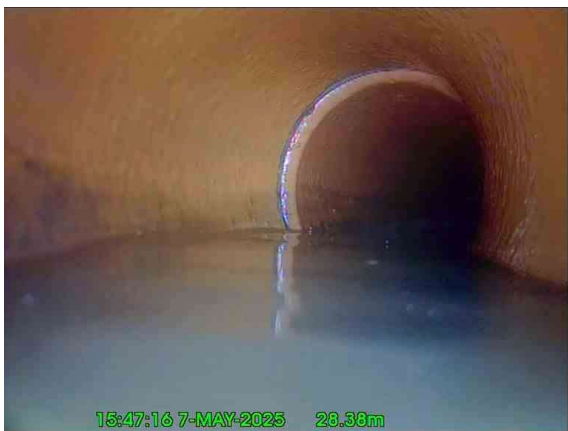
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
89	Downstream	MH62 X	TS-2645	TS-2645



5, 00:01:46, 24.83 m
Joint displaced, medium



6, 00:01:55, 26.61 m
Line deviates left



7, 00:02:06, 28.38 m
Line deviates right



8, 00:02:47, 30.02 m
Water level, 20% of the vertical dimension, Water standing in sewer

Section Pictures - 09/05/2025 - MH62 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
89	Downstream	MH62 X	TS-2645	TS-2645



9, 00:02:32, 32.24 m

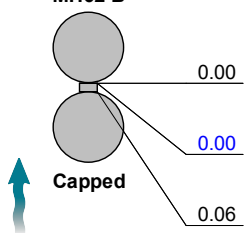
Finish node, manhole, reference: MH64 reached, UU MH Ref:
2902

Section Inspection - 09/05/2025 - Capped

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
90	1	09/05/25	10:43	TS-2645	No Rain Or Snow	No	CAPPED
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	CAPPED
Road:	Westmorland Road	Inspected Length:	0.06 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	0.06 m	Downstream Node:	MH62 B
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe Material:	Polyvinyl chloride		
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 MH62 B  Depth: m							
		0.00	MH	Start node, manhole, reference: MH62 B	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension			
		0.06	OCF	Finish node, other special chamber, reference: Capped: Capped pipe reached	00:00:04	1	

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	0	0.0	0.0	0.0	1.0

Section Pictures - 09/05/2025 - Capped

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
90	Upstream	CAPPED	TS-2645	TS-2645



1, 00:00:04, 0.06 m

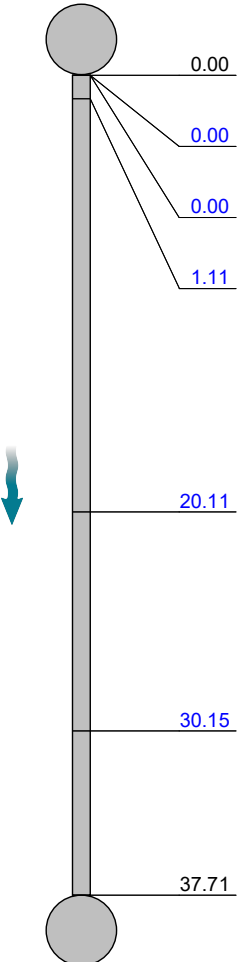
Finish node, other special chamber, reference: Capped,
Capped pipe reached

Section Inspection - 09/05/2025 - MH63 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
91	1	09/05/25	10:43	TS-2645	No Rain Or Snow	No	MH63 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH63 X
Road:	Westmorland Road	Inspected Length:	37.71 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	37.71 m	Downstream Node:	MH65
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:327	Position [m]	Code	Observation	MPEG	Photo	Grade																																																
Depth: m MH63 X  <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: MH63 X</td><td>00:00:00</td><td></td><td></td></tr><tr><td>0.00</td><td>WL</td><td>Water level, 5% of the vertical dimension</td><td></td><td></td><td></td></tr><tr><td>0.00</td><td>GP</td><td>General photograph taken at this point</td><td>00:00:03</td><td>1</td><td></td></tr><tr><td>1.11</td><td>GP</td><td>General photograph taken at this point</td><td>00:00:39</td><td>2</td><td></td></tr><tr><td>20.11</td><td>GP</td><td>General photograph taken at this point</td><td>00:01:07</td><td>3</td><td></td></tr><tr><td>30.15</td><td>GP</td><td>General photograph taken at this point</td><td>00:01:43</td><td>4</td><td></td></tr><tr><td>37.71</td><td>MHF</td><td>Finish node, manhole, reference: MH65 reached</td><td>00:02:04</td><td>5</td><td></td></tr></table> Depth: m MH65								Position [m]	Code	Observation	MPEG	Photo	Grade	0.00	MH	Start node, manhole, reference: MH63 X	00:00:00			0.00	WL	Water level, 5% of the vertical dimension				0.00	GP	General photograph taken at this point	00:00:03	1		1.11	GP	General photograph taken at this point	00:00:39	2		20.11	GP	General photograph taken at this point	00:01:07	3		30.15	GP	General photograph taken at this point	00:01:43	4		37.71	MHF	Finish node, manhole, reference: MH65 reached	00:02:04	5	
Position [m]	Code	Observation	MPEG	Photo	Grade																																																		
0.00	MH	Start node, manhole, reference: MH63 X	00:00:00																																																				
0.00	WL	Water level, 5% of the vertical dimension																																																					
0.00	GP	General photograph taken at this point	00:00:03	1																																																			
1.11	GP	General photograph taken at this point	00:00:39	2																																																			
20.11	GP	General photograph taken at this point	00:01:07	3																																																			
30.15	GP	General photograph taken at this point	00:01:43	4																																																			
37.71	MHF	Finish node, manhole, reference: MH65 reached	00:02:04	5																																																			

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	0	0.0	0.0	0.0	1.0

Section Pictures - 09/05/2025 - MH63 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
91	Downstream	MH63 X	TS-2645	TS-2645



1, 00:00:03, 0.00 m
General photograph taken at this point



2, 00:00:39, 1.11 m
General photograph taken at this point



3, 00:01:07, 20.11 m
General photograph taken at this point



4, 00:01:43, 30.15 m
General photograph taken at this point

Section Pictures - 09/05/2025 - MH63 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
91	Downstream	MH63 X	TS-2645	TS-2645



5, 00:02:04, 37.71 m

Finish node, manhole, reference: MH65 reached

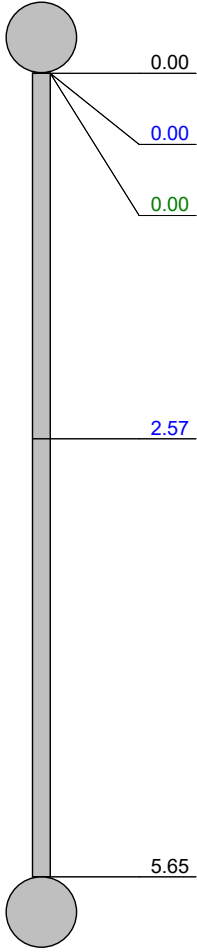
Section Inspection - 09/05/2025 - Capped

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
92	1	09/05/25	10:43	TS-2645	No Rain Or Snow	No	CAPPED
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	CAPPED
Road:	Westmorland Road	Inspected Length:	5.65 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	5.65 m	Downstream Node:	MH63 A
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe Material:	Polyvinyl chloride		
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 MH63 A 							
	0.00	MH	Start node, manhole, reference: MH63 A	00:00:00			
	0.00	WL	Water level, 0% of the vertical dimension				
	0.00	LU	Line deviates up	00:00:01	1		
	2.57	GP	General photograph taken at this point	00:00:14	2		
	5.65	OCF	Finish node, other special chamber, reference: Capped: Capped pipe reached	00:00:25	3		
Capped Depth: m							

Construction Features

Structural Defects

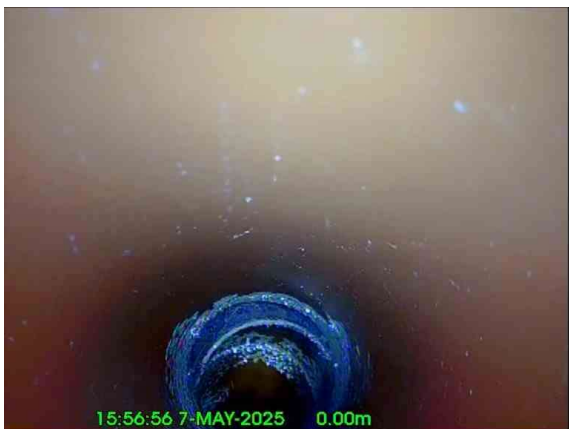
Miscellaneous Features

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
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 09/05/2025 - Capped

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
92	Upstream	CAPPED	TS-2645	TS-2645



1, 00:00:01, 0.00 m
Line deviates up



2, 00:00:14, 2.57 m
General photograph taken at this point



3, 00:00:25, 5.65 m
Finish node, other special chamber, reference: Capped,
Capped pipe reached

Section Inspection - 09/05/2025 - Downpipe

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
93	1	09/05/25	10:43	TS-2645	No Rain Or Snow	No	DOWNPIPE
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	Westmorland Road	Inspected Length:	3.86 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	3.86 m	Downstream Node:	MH63 C
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe 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 MH63 C 0.00 0.00 0.00 1.27 3.54 3.54 3.86 Downpipe Depth: m							
		0.00	MH	Start node, manhole, reference: MH63 C	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension			
		0.00	JN	Junction at 6 o'clock, 100mm dia: External Backdrop	00:00:03		
		1.27	GP	General photograph taken at this point	00:00:19	1	
		3.54	JDM	Joint displaced, medium	00:00:28	2	1 / 3
		3.54	LL	Line deviates left	00:00:28		
		3.86	OCF	Finish node, other special chamber, reference: Downpipe: Internal downpipe reached	00:00:32	3	

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	1.0	0.3	1.0	1.0	1	2.0	0.5	2.0	3.0

Section Pictures - 09/05/2025 - Downpipe

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
93	Upstream	DOWNPIPE	TS-2645	TS-2645



1, 00:00:19, 1.27 m
General photograph taken at this point



2, 00:00:28, 3.54 m
Joint displaced, medium



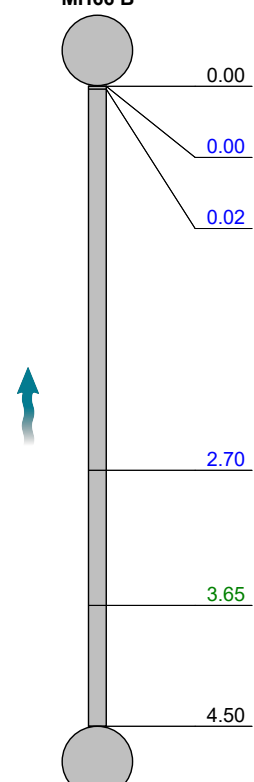
3, 00:00:32, 3.86 m
Finish node, other special chamber, reference: Downpipe,
Internal downpipe reached

Section Inspection - 09/05/2025 - Buried Gly

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
94	1	09/05/25	10:44	TS-2645	No Rain Or Snow	No	BURIED GLY
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	BURIED GLY
Road:	Westmorland Road	Inspected Length:	4.50 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	4.50 m	Downstream Node:	MH66 B
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe 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 MH66 B  <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: MH66 B</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></td><td></td><td></td></tr><tr><td>0.02</td><td>GP</td><td>General photograph taken at this point</td><td>00:00:01</td><td>1</td><td></td></tr><tr><td>2.70</td><td>GP</td><td>General photograph taken at this point</td><td>00:00:15</td><td>2</td><td></td></tr><tr><td>3.65</td><td>LU</td><td>Line deviates up</td><td>00:00:21</td><td>3</td><td></td></tr><tr><td>4.50</td><td>GYF</td><td>Finish node, gully, reference: Buried Gly reached</td><td>00:00:29</td><td>4</td><td></td></tr></table> Buried Gly Depth: m								Position [m]	Code	Observation	MPEG	Photo	Grade	0.00	MH	Start node, manhole, reference: MH66 B	00:00:00			0.00	WL	Water level, 0% of the vertical dimension				0.02	GP	General photograph taken at this point	00:00:01	1		2.70	GP	General photograph taken at this point	00:00:15	2		3.65	LU	Line deviates up	00:00:21	3		4.50	GYF	Finish node, gully, reference: Buried Gly reached	00:00:29	4	
Position [m]	Code	Observation	MPEG	Photo	Grade																																												
0.00	MH	Start node, manhole, reference: MH66 B	00:00:00																																														
0.00	WL	Water level, 0% of the vertical dimension																																															
0.02	GP	General photograph taken at this point	00:00:01	1																																													
2.70	GP	General photograph taken at this point	00:00:15	2																																													
3.65	LU	Line deviates up	00:00:21	3																																													
4.50	GYF	Finish node, gully, reference: Buried Gly reached	00:00:29	4																																													

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	0	0.0	0.0	0.0	1.0

Section Pictures - 09/05/2025 - Buried Gly

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
94	Upstream	BURIED GLY	TS-2645	TS-2645



1, 00:00:01, 0.02 m
General photograph taken at this point



2, 00:00:15, 2.70 m
General photograph taken at this point



3, 00:00:21, 3.65 m
Line deviates up



4, 00:00:29, 4.50 m
Finish node, gully, reference: Buried Gly reached

Section Pictures - 09/05/2025 - Gully5 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
95	Downstream	GULLY5 X	TS-2645	TS-2645



1, 00:00:03, 0.00 m
General photograph taken at this point



2, 00:00:18, 4.21 m
General photograph taken at this point



3, 00:00:21, 4.87 m
Line deviates right



4, 00:00:25, 6.30 m
Line deviates down

Section Pictures - 09/05/2025 - Gully5 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
95	Downstream	GULLY5 X	TS-2645	TS-2645



5, 00:00:39, 9.70 m

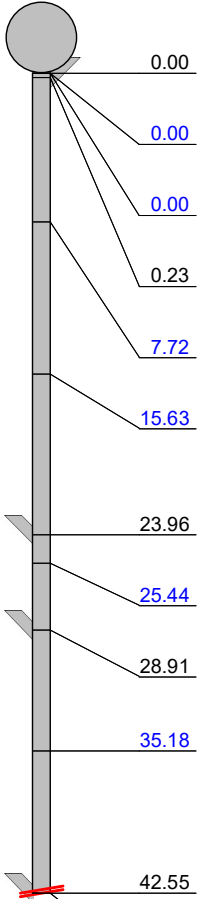
Finish node, manhole, reference: MH27 reached

Section Inspection - 14/05/2025 - MH68 X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
96	1	14/05/25	8:32	TS-2645	No Rain Or Snow	No	MH68 X
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Downstream	Upstream Node:	MH68 X
Road:	Westmorland Road	Inspected Length:	42.55 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	42.55 m	Downstream Node:	MH69
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:369	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH68 X 						
	0.00	MH	Start node, manhole, reference: MH68 X: UU MH Ref: 1701	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	0.00	GP	General photograph taken at this point	00:00:02	1	
	0.23	CN	Connection other than junction at 10 o'clock, 100mm dia	00:00:06	2	
	7.72	GP	General photograph taken at this point	00:00:36	3	
	15.63	GP	General photograph taken at this point	00:01:13	4	
	23.96	JN	Junction at 3 o'clock, 150mm dia	00:01:43	5	
	25.44	GP	General photograph taken at this point	00:01:50	6	
	28.91	JN	Junction at 2 o'clock, 150mm dia	00:02:06	7	
	35.18	GP	General photograph taken at this point	00:02:34	8	
	42.55	JN	Junction at 3 o'clock, 150mm dia, from MH46 X: Junction visible downstream of this point	00:03:43	9	
	42.55	SA	Survey abandoned: Survey continues further downstream via MH46 X	00:03:43		

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	0	0.0	0.0	0.0	1.0

Section Pictures - 14/05/2025 - MH68 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
96	Downstream	MH68 X	TS-2645	TS-2645



1, 00:00:02, 0.00 m
General photograph taken at this point



2, 00:00:06, 0.23 m
Connection other than junction at 10 o'clock, 100mm dia



3, 00:00:36, 7.72 m
General photograph taken at this point



4, 00:01:13, 15.63 m
General photograph taken at this point

Section Pictures - 14/05/2025 - MH68 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
96	Downstream	MH68 X	TS-2645	TS-2645



5, 00:01:43, 23.96 m
Junction at 3 o'clock, 150mm dia



6, 00:01:50, 25.44 m
General photograph taken at this point



7, 00:02:06, 28.91 m
Junction at 2 o'clock, 150mm dia



8, 00:02:34, 35.18 m
General photograph taken at this point

Section Pictures - 14/05/2025 - MH68 X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
96	Downstream	MH68 X	TS-2645	TS-2645



9, 00:03:43, 42.55 m
Junction at 3 o'clock, 150mm dia, from MH46 X, Junction
visible downstream of this point

Section Inspection - 14/05/2025 - MH68

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
97	1	14/05/25	8:32	TS-2645	No Rain Or Snow	No	MH68
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	MH68
Road:	Westmorland Road	Inspected Length:	5.06 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	5.06 m	Downstream Node:	MH69 A
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Pipe 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
MH69 A



0.00

MH

Start node, manhole, reference: MH69 A: UU MH Ref: 0701 00:00:00

0.00

WL

Water level, 5% of the vertical dimension

0.00

GP

General photograph taken at this point

00:00:02

1

2.57

GP

General photograph taken at this point

00:00:13

2

5.06

RMJ

Roots, mass at joint, 25% cross-sectional area loss

00:00:22

3

5

5.06

SA

Survey abandoned: Unable to pass mass roots

00:00:22

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	10.0	2.0	10.0	5.0

Section Pictures - 14/05/2025 - MH68

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
97	Upstream	MH68	TS-2645	TS-2645



1, 00:00:02, 0.00 m
General photograph taken at this point



2, 00:00:13, 2.57 m
General photograph taken at this point



3, 00:00:22, 5.06 m
Roots, mass at joint, 25% cross-sectional area loss

Section Inspection - 14/05/2025 - MH67 UTL

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
98	1	14/05/25	8:37	TS-2645	No Rain Or Snow	No	MH67 UTL
Operator Dominic White		Vehicle LM21 UHU		Camera Ibos Rover	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

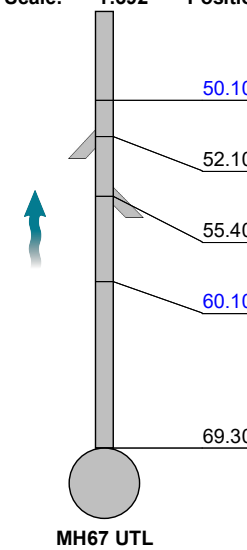
Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	MH67 UTL
Road:	Westmorland Road	Inspected Length:	69.30 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	69.30 m	Downstream Node:	MH70 A
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	375 mm		
Flow Control:	No flow control	Pipe Material:	Concrete		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:392	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH70 A 0.00 0.00 0.00 6.50 8.20 9.20 20.90 21.30 22.70 23.00 26.50 28.40 28.80 30.90 40.30 MH WL S01 CN F01 GP CN S02 CN F02 S03 F03 CN GP GP Start node, manhole, reference: MH70 A: UU MH Ref: 0803 Water level, 5% of the vertical dimension Settled deposits, coarse, 20% cross-sectional area loss, start Connection other than junction at 2 o'clock, 150mm dia Settled deposits, coarse, 20% cross-sectional area loss, finish General photograph taken at this point Connection other than junction at 1 o'clock, 150mm dia Settled deposits, coarse, 10% cross-sectional area loss, start Connection other than junction at 11 o'clock, 150mm dia Settled deposits, coarse, 10% cross-sectional area loss, finish Settled deposits, coarse, 5% cross-sectional area loss, start Settled deposits, coarse, 5% cross-sectional area loss, finish Connection other than junction at 11 o'clock, 150mm dia General photograph taken at this point General photograph taken at this point 00:00:00 00:00:01 00:01:19 00:01:57 00:02:01 00:02:58 00:03:08 00:03:18 00:03:21 00:03:44 00:03:57 00:04:00 00:04:17 00:04:57 1 2 3 4 5 6 7 8 9 10							

Section Inspection - 14/05/2025 - MH67 UTL

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
98	1	14/05/25	8:37	TS-2645	No Rain Or Snow	No	MH67 UTL
Operator Dominic White		Vehicle LM21 UHU		Camera Ibos Rover	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Scale:	1:392	Position [m]	Code	Observation	MPEG	Photo	Grade
		50.10	GP	General photograph taken at this point	00:05:39	11	
		52.10	CN	Connection other than junction at 1 o'clock, 150mm dia	00:05:52	12	
		55.40	CN	Connection other than junction at 11 o'clock, 150mm dia	00:06:12	13	
		60.10	GP	General photograph taken at this point	00:06:37	14	
		69.30	MHF	Finish node, manhole, reference: MH67 UTL reached: UU MH Ref: 0802	00:07:27	15	

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	5.0	0.8	53.0	4.0

Section Pictures - 14/05/2025 - MH67 UTL

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
98	Upstream	MH67 UTL	TS-2645	TS-2645



1, 00:00:01, 0.00 m
Settled deposits, coarse, 20% cross-sectional area loss, start



2, 00:01:19, 6.50 m
Connection other than junction at 2 o'clock, 150mm dia



3, 00:02:01, 9.20 m
General photograph taken at this point



4, 00:02:58, 20.90 m
Connection other than junction at 1 o'clock, 150mm dia

Section Pictures - 14/05/2025 - MH67 UTL

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
98	Upstream	MH67 UTL	TS-2645	TS-2645



5, 00:03:08, 21.30 m
Settled deposits, coarse, 10% cross-sectional area loss, start



6, 00:03:18, 22.70 m
Connection other than junction at 11 o'clock, 150mm dia



7, 00:03:44, 26.50 m
Settled deposits, coarse, 5% cross-sectional area loss, start



8, 00:04:00, 28.80 m
Connection other than junction at 11 o'clock, 150mm dia

Section Pictures - 14/05/2025 - MH67 UTL

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
98	Upstream	MH67 UTL	TS-2645	TS-2645



9, 00:04:17, 30.90 m
General photograph taken at this point



10, 00:04:57, 40.30 m
General photograph taken at this point



11, 00:05:39, 50.10 m
General photograph taken at this point



12, 00:05:52, 52.10 m
Connection other than junction at 1 o'clock, 150mm dia

Section Pictures - 14/05/2025 - MH67 UTL

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
98	Upstream	MH67 UTL	TS-2645	TS-2645



13, 00:06:12, 55.40 m
Connection other than junction at 11 o'clock, 150mm dia



14, 00:06:37, 60.10 m
General photograph taken at this point



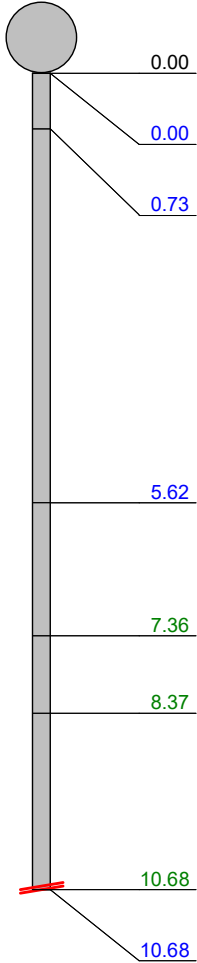
15, 00:07:27, 69.30 m
Finish node, manhole, reference: MH67 UTL reached, UU MH
Ref: 0802

Section Inspection - 14/05/2025 - MH

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
99	1	14/05/25	8:32	TS-2645	No Rain Or Snow	No	MH
Operator Dominic White		Vehicle LM21 UHU		Camera Minicam Solopro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Huyton	Inspection Direction:	Upstream	Upstream Node:	MH
Road:	Westmorland Road	Inspected Length:	10.68 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	10.68 m	Downstream Node:	MH70 B
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	300 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:93	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH70 B 							
	0.00	MH	Start node, manhole, reference: MH70 B: UU MH Ref: 0803	00:00:00			
	0.00	WL	Water level, 5% of the vertical dimension				
	0.73	GP	General photograph taken at this point	00:02:23	1		
	5.62	GP	General photograph taken at this point	00:01:58	2		
	7.36	DER	Settled deposits, coarse, 5% cross-sectional area loss	00:01:49	3		3
	8.37	RM	Roots, mass, 25% cross-sectional area loss	00:01:41	4		5
	10.68	RMJ	Roots, mass at joint, 80% cross-sectional area loss	00:00:52	5		5
	10.68	SA	Survey abandoned: Unable to pass mass roots	00:00:52			

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	3	20.0	3.0	32.0	5.0

Section Pictures - 14/05/2025 - MH

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
99	Upstream	MH	TS-2645	TS-2645



1, 00:02:23, 0.73 m
General photograph taken at this point



2, 00:01:58, 5.62 m
General photograph taken at this point



3, 00:01:49, 7.36 m
Settled deposits, coarse, 5% cross-sectional area loss



4, 00:01:41, 8.37 m
Roots, mass, 25% cross-sectional area loss

Section Pictures - 14/05/2025 - MH

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
99	Upstream	MH	TS-2645	TS-2645



5, 00:00:52, 10.68 m

Roots, mass at joint, 80% cross-sectional area loss