Alternative Drainage Co Ltd
Ashley Industrial Estate, Ossett
Tel. 01924 280080
info@alternativedrainage.com

Project

Project Name:	High Street Royston D39325
Project Description:	CCTV Survey
Project Number:	D39325
Project Status:	Complete
Project Date:	13/03/2026
Inspection Standard:	MSCC5 Sewers & Drainage GB (SRM5 Scoring)

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High Street Royston D39325	D39325	13/03/2026

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Project Information

Project Name	Project Number	Project Date
High Street Royston D39325	D39325	13/03/2026

Client

Company: BOFEN Homes Ltd
Contact: Lee Forster
Department: 50
Street: Hoyland Road
Town or City: Hoyland Common / Barnsley
County: South Yorkshire
Post Code: S74 0PB

Site

Company: BOFEN Homes Ltd
Contact: Lee Forster
Department: Royston Alexandria WMC
Street: High Street
Town or City: Royston / Barnsley
County: South Yorkshire
Post Code: S71 4RF

Contractor

Company: Alternative Drainage Co Ltd
Contact: Daniel Pearson
Department: Unit 14
Street: Ashley Industrial Estate
Town or City: Ossett
County: West Yorkshire
Post Code: WF5 9JD
Phone: 01924 280080
Email: info@alternativedrainage.com

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Scoring Summary

Project Name	Project Number	Project Date
High Street Royston D39325	D39325	13/03/2026

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	MH2X	3	Multiple defects
3	MH3X	3	Fracture, circumferential from 3 o'clock to 9 o'clock

Service / Operational Condition

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

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

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

Section	PLR	Grade	Description
1	MH1X	3	Multiple defects
2	MH2X	5	Multiple defects
3	MH3X	5	Roots, mass, 20% cross-sectional area loss, finish

Abandoned Surveys

Section	PLR	Description
All inspections complete, none are abandoned.		

Information

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

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Section Inspection - 01/12/2025 - MH1X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
1	1	01/12/25	14:07	D39325	No Rain Or Snow	No	MH1X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
A Clague	MF20OGL	Proteus Crawler	Not Specified	Public Sewer	Not Specified

Town or Village:	Royston	**Inspection Direction:**	Downstream	**Upstream Node:**	MH1
Road:	High Street	**Inspected Length:**	49.63 m	**Upstream Pipe Depth:**	
Location:	Gardens (private)	**Total Length:**	49.63 m	**Downstream Node:**	LINE X
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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:430

Position [m]		Code	Observation	MPEG	Photo	Grade
0.00		MH	Start node, manhole, reference: MH1	00:00:00		
0.00		WL	Water level, 5% of the vertical dimension			
0.05	S01	DEG	Attached deposits, grease from 5 o'clock to 7 o'clock, 5% cross-sectional area loss, start	00:00:07	MH1X_1ef76ac6-41e7-4ec6-ae	
1.10		LR	Line deviates right: Quarter	00:00:17		
1.58		LD	Line deviates down	00:00:20		
2.24		DEG	Attached deposits, grease from 4 o'clock to 8 o'clock, 10% cross-sectional area loss	00:00:23	MH1X_52e127da-3993-4244-b	3
16.50		DEG	Attached deposits, grease from 4 o'clock to 8 o'clock, 10% cross-sectional area loss	00:01:35	MH1X_c5e72bca-ab1e-47e4-b2	3
49.60	F01	DEG	Attached deposits, grease from 5 o'clock to 7 o'clock, 5% cross-sectional area loss, finish	00:04:29		3
49.63		MHF	Finish node, manhole, reference: Line X: MH2	00:04:35		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	3	8.0	4.2	208.0	4.0

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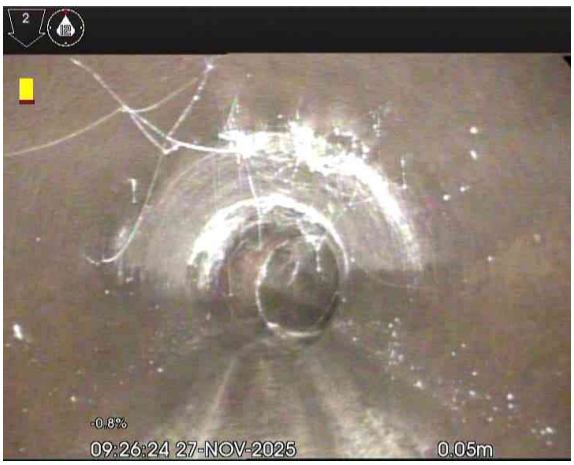
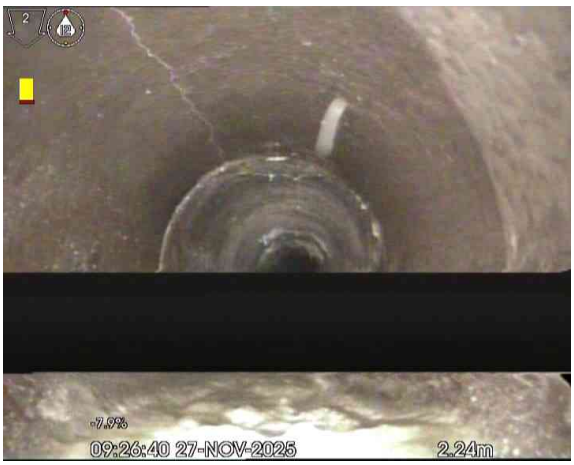
Section Pictures - 01/12/2025 - MH1X

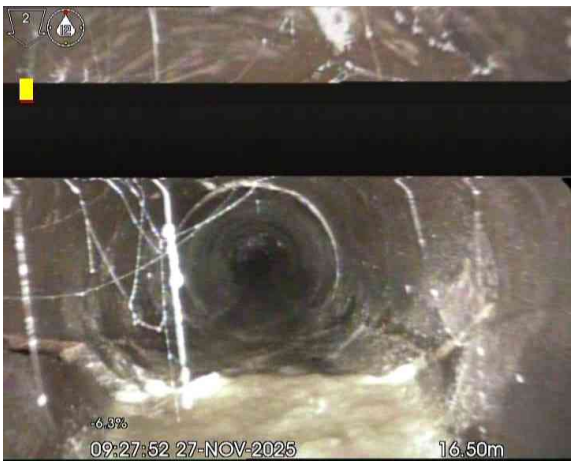
Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
1	Downstream	MH1X	D39325	D39325



MH1X_1ef76ac6-41e7-4ec6-aeab-63b885e3d126_20260313_110729_063.jpg, 00:00:07, 0.05 m
Attached deposits, grease from 5 o'clock to 7 o'clock, 5% cross-sectional area loss, start



MH1X_52e127da-3993-4244-b0b5-3e04b4c125a6_20260313_110819_280.jpg, 00:00:23, 2.24 m
Attached deposits, grease from 4 o'clock to 8 o'clock, 10% cross-sectional area loss



MH1X_c5e72bca-ab1e-47e4-b2b0-fdf1b0bdf871_20260313_110916_248.jpg, 00:01:35, 16.50 m
Attached deposits, grease from 4 o'clock to 8 o'clock, 10% cross-sectional area loss

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Section Inspection - 01/12/2025 - MH2X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
2	1	01/12/25	14:07	D39325	No Rain Or Snow	No	MH2X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
A Clague	MF20OGL	Proteus Crawler	Not Specified	Public Sewer	Not Specified

Town or Village:	Royston	**Inspection Direction:**	Downstream	**Upstream Node:**	MH2
Road:	High Street	**Inspected Length:**	30.23 m	**Upstream Pipe Depth:**	
Location:	Gardens (private)	**Total Length:**	30.23 m	**Downstream Node:**	LINE X
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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:183

Position [m]		Code	Observation	MPEG	Photo	Grade
0.00		MH	Start node, manhole, reference: MH2	00:00:00		
0.00		WL	Water level, 5% of the vertical dimension			
0.88		DEG	Attached deposits, grease from 4 o'clock to 8 o'clock, 10% cross-sectional area loss	00:00:12	MH2X_818ccc4f-4d18-4b40-a	3
2.14	S01	DEG	Attached deposits, grease from 5 o'clock to 7 o'clock, 5% cross-sectional area loss, start	00:00:18	MH2X_5fe242ca-51cd-474f-ba4	
6.85		RMJ	Roots, mass at joint, 10% cross-sectional area loss	00:00:40	MH2X_2cd86d5a-0bc1-4e9f-bfd	3
8.30		DEF	Attached deposits, fouling from 3 o'clock to 9 o'clock, 40% cross-sectional area loss	00:00:47		4
9.44		FC	Fracture, circumferential from 1 o'clock to 10 o'clock	00:00:54	MH2X_0a784509-5fd1-46b5-a	3 / 2
10.23		DEF	Attached deposits, fouling from 4 o'clock to 8 o'clock, 30% cross-sectional area loss	00:00:58	MH2X_2427d6f1-13ad-4109-b	4
10.23		FL	Fracture, longitudinal at 11 o'clock	00:00:58	MH2X_b1274143-8e96-4b84-9	3 / 2
11.49		FC	Fracture, circumferential from 7 o'clock to 5 o'clock	00:04:30	MH2X_3bcb78c7-9466-4ae2-86	3 / 2
16.09		FC	Fracture, circumferential from 3 o'clock to 7 o'clock	00:04:53	MH2X_192a24cd-58bd-432e-b	3 / 2
17.06		RFJ	Roots, fine at joint	00:04:56	MH2X_6e421cfa-6512-4c62-9	2
18.34		WL	Water level, 30% of the vertical dimension	00:05:04		
19.04		RMJ	Roots, mass at joint, 30% cross-sectional area loss	00:05:08	MH2X_d9ce8218-a954-494d-88f	5
19.94		CUW	Loss of vision, camera under water	00:05:12		

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Section Inspection - 01/12/2025 - MH2X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
2	1	01/12/25	14:07	D39325	No Rain Or Snow	No	MH2X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
A Clague	MF20OGL	Proteus Crawler	Not Specified	Public Sewer	Not Specified

Scale: 1:183	Position [m]		Code	Observation	MPEG	Photo	Grade
	22.16		RMJ	Roots, mass at joint, 30% cross-sectional area loss	00:05:36	MH2X_a7 6a320c-37 f5-43eb-9a	5
	29.14		LL	Line deviates left: Quarter	00:06:13		
	30.19		LD	Line deviates down	00:06:22		
	30.22	F01	DEG	Attached deposits, grease from 5 o'clock to 7 o'clock, 5% cross-sectional area loss, finish	00:00:00		3
	30.23		BRF	Finish node, major connection without manhole, reference: Line X: Connection to sewer in High Street	00:00:00		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
4	40.0	5.3	160.0	3.0	12	14.0	5.3	159.0	5.0

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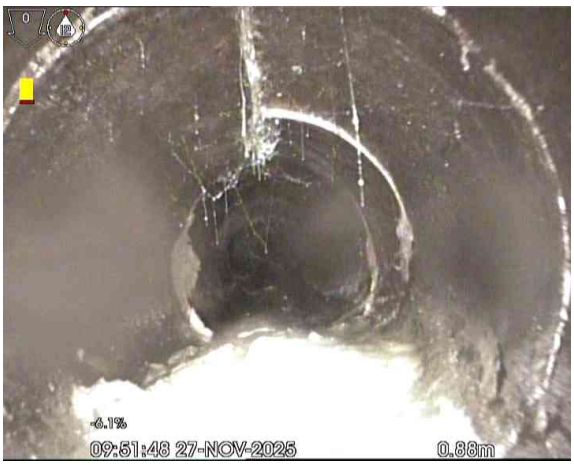
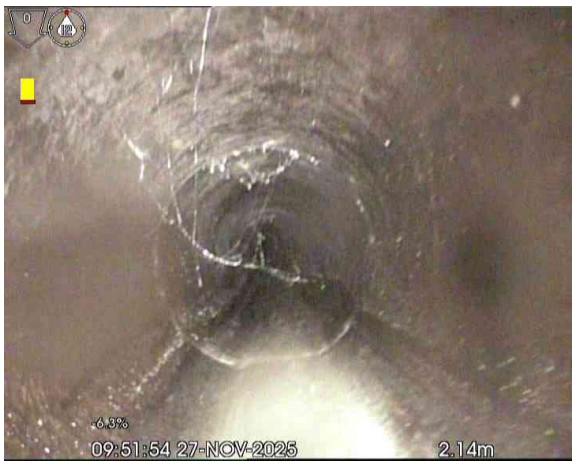
Section Pictures - 01/12/2025 - MH2X

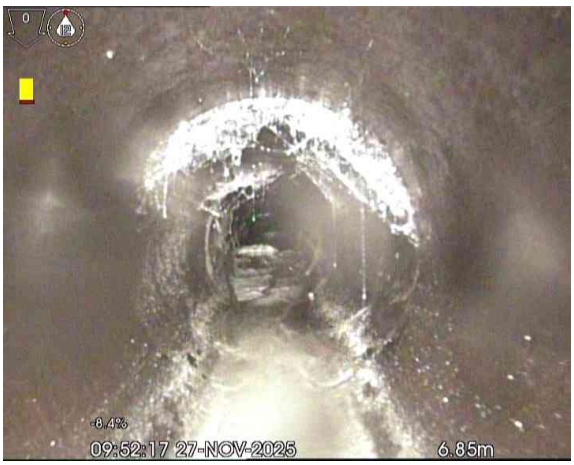
Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
2	Downstream	MH2X	D39325	D39325



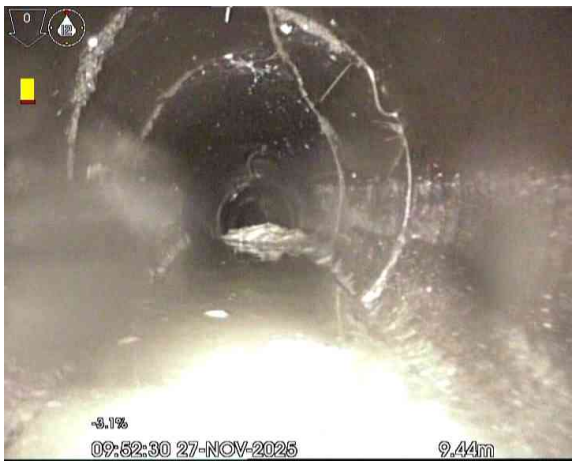
MH2X_818ccc4f-4d18-4b40-a918-19a349e1c481_20260313_111212_214.jpg, 00:00:12, 0.88 m
Attached deposits, grease from 4 o'clock to 8 o'clock, 10% cross-sectional area loss



MH2X_5fe242ca-51cd-474f-ba45-63dcfa0048c7_20260313_111228_184.jpg, 00:00:18, 2.14 m
Attached deposits, grease from 5 o'clock to 7 o'clock, 5% cross-sectional area loss, start



MH2X_2cd86d5a-0bc1-4e9f-bfdd-121cd456e43b_20260313_111249_014.jpg, 00:00:40, 6.85 m
Roots, mass at joint, 10% cross-sectional area loss



MH2X_0a784509-5fd1-46b5-a05f-f4a0b1826d82_20260313_111325_191.jpg, 00:00:54, 9.44 m
Fracture, circumferential from 1 o'clock to 10 o'clock

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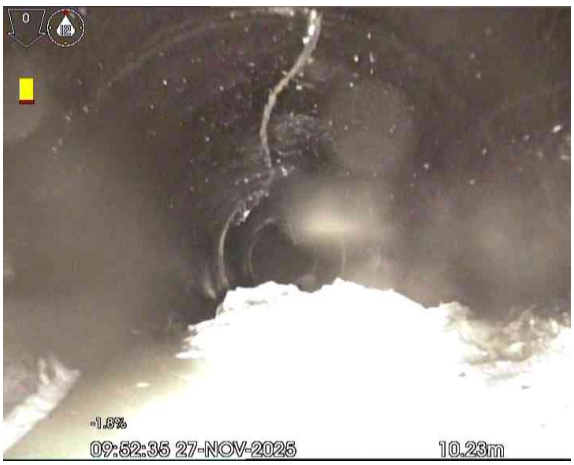
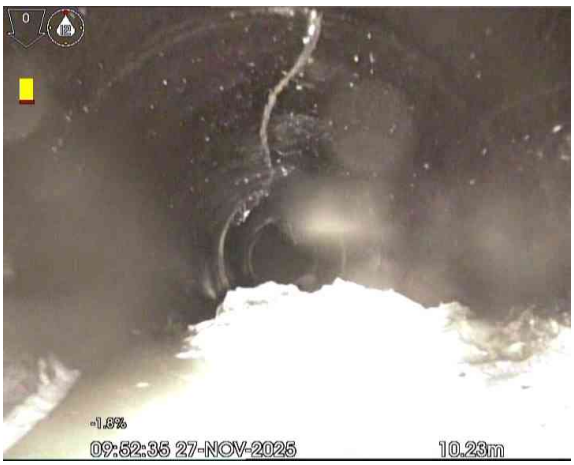
Section Pictures - 01/12/2025 - MH2X

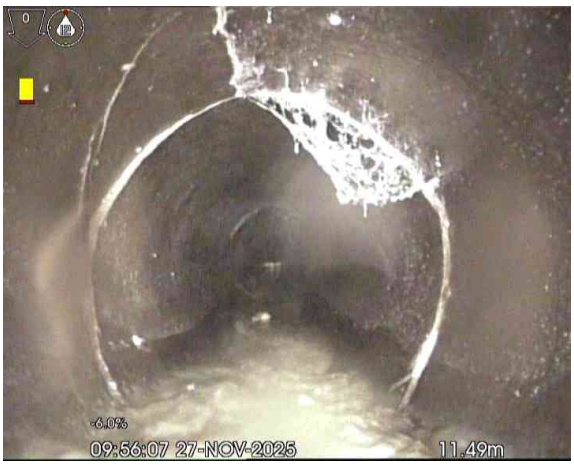
Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
2	Downstream	MH2X	D39325	D39325



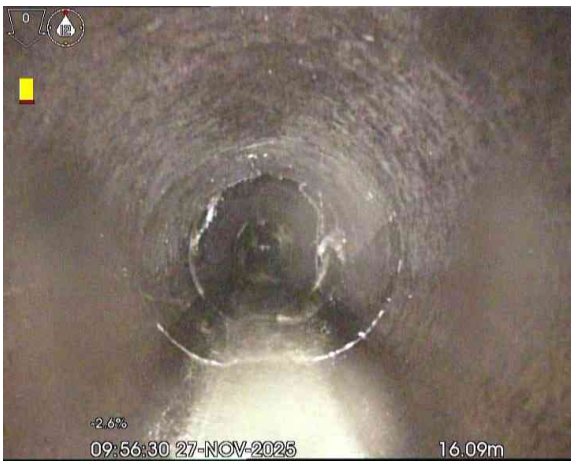
MH2X_2427d6f1-13ad-4109-b593-68367503c7bf_20260313_111343_072.jpg, 00:00:58, 10.23 m
Attached deposits, fouling from 4 o'clock to 8 o'clock, 30% cross-sectional area loss



MH2X_b1274143-8e96-4b84-9351-5c0bf6a2b666_20260313_111354_664.jpg, 00:00:58, 10.23 m
Fracture, longitudinal at 11 o'clock



MH2X_3bcb78c7-9466-4ae2-86ac-98095ff7e9eb_20260313_111527_995.jpg, 00:04:30, 11.49 m
Fracture, circumferential from 7 o'clock to 5 o'clock



MH2X_192a24cd-58bd-432e-b754-3e98566dda8c_20260313_112316_114.jpg, 00:04:53, 16.09 m
Fracture, circumferential from 3 o'clock to 7 o'clock

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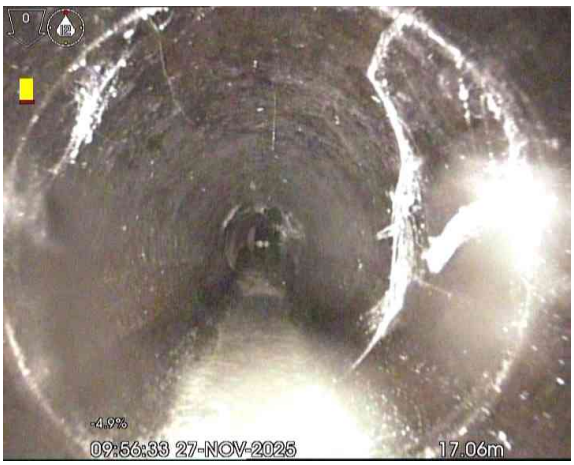
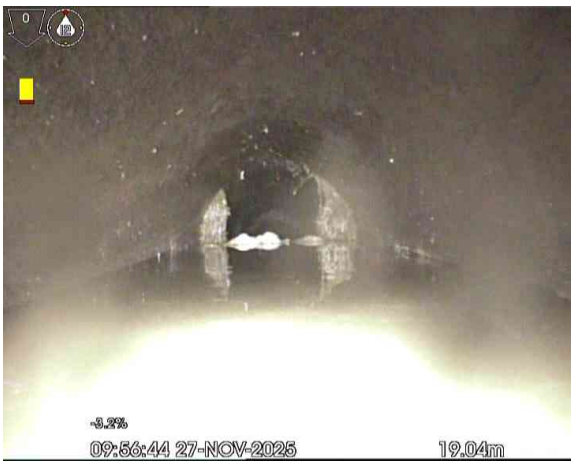
Section Pictures - 01/12/2025 - MH2X

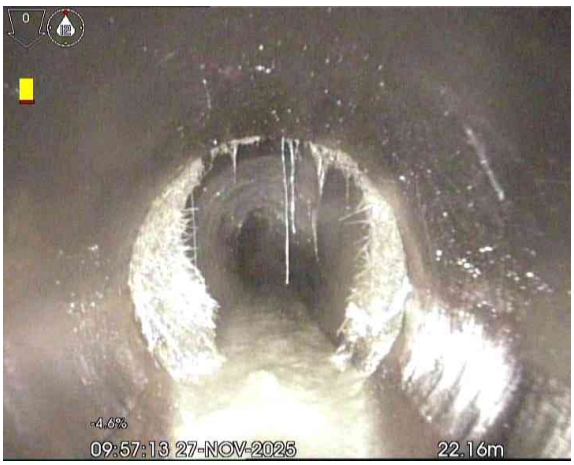
Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
2	Downstream	MH2X	D39325	D39325



MH2X_6e421cfa-6512-4c62-974d-99e43f12887c_20260313_112330_536.jpg, 00:04:56, 17.06 m
Roots, fine at joint



MH2X_d9ce8218-a954-494d-88f3-7a2f89db1e44_20260313_112415_637.jpg, 00:05:08, 19.04 m
Roots, mass at joint, 30% cross-sectional area loss



MH2X_a76a320c-37f5-43eb-9a43-85023a281dd6_20260313_112453_809.jpg, 00:05:36, 22.16 m
Roots, mass at joint, 30% cross-sectional area loss

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Section Inspection - 01/12/2025 - MH3X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
3	1	01/12/25	14:08	D39325	No Rain Or Snow	No	MH3X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
A Clague	MF20OGL	Solo Pro	Not Specified	Private Drain	Not Specified

Town or Village:	Royston	**Inspection Direction:**	Downstream	**Upstream Node:**	MH3
Road:	High Street	**Inspected Length:**	12.06 m	**Upstream Pipe Depth:**	
Location:	Gardens (private)	**Total Length:**	12.06 m	**Downstream Node:**	LINE X
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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:105 Position [m]		Code	Observation	MPEG	Photo	Grade
0.00		MH	Start node, manhole, reference: MH3	00:00:00		
0.00		WL	Water level, 0% of the vertical dimension			
0.23	S01	RM	Roots, mass, 20% cross-sectional area loss, start	00:00:07	MH3X_997f848b-1e5d-4734-b	
2.34	F01	RM	Roots, mass, 20% cross-sectional area loss, finish	00:00:14		5
3.85	S02	DEG	Attached deposits, grease from 5 o'clock to 7 o'clock, 5% cross-sectional area loss, start	00:00:16	MH3X_d6fc7cb8-51b5-4d4c-8c	
7.24		FC	Fracture, circumferential from 3 o'clock to 9 o'clock	00:00:24	MH3X_3a311c70-7328-4fe9-a9	3 / 2
9.51		WL	Water level, 5% of the vertical dimension	00:00:30		
11.50		LL	Line deviates left: Half	00:00:37		
11.52		LD	Line deviates down	00:00:38		
11.53		JDM	Joint displaced, medium	00:00:38	MH3X_af88a7e3-7a78-43f7-81a	1 / 3
12.05	F02	DEG	Attached deposits, grease from 5 o'clock to 7 o'clock, 5% cross-sectional area loss, finish	00:00:00		3
12.06		BRF	Finish node, major connection without manhole, reference: Line X: Connection to public sewer in High Street	00:00:00		

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	40.0	3.4	41.0	3.0	4	10.0	5.7	69.0	5.0

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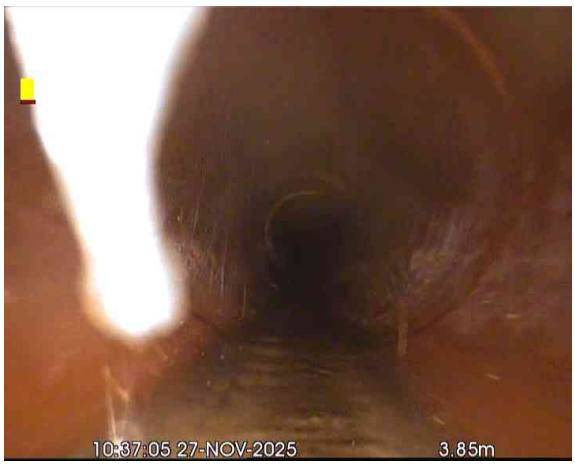
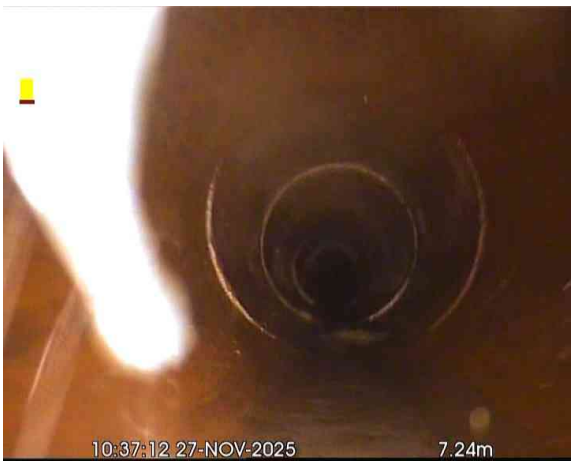
Section Pictures - 01/12/2025 - MH3X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
3	Downstream	MH3X	D39325	D39325

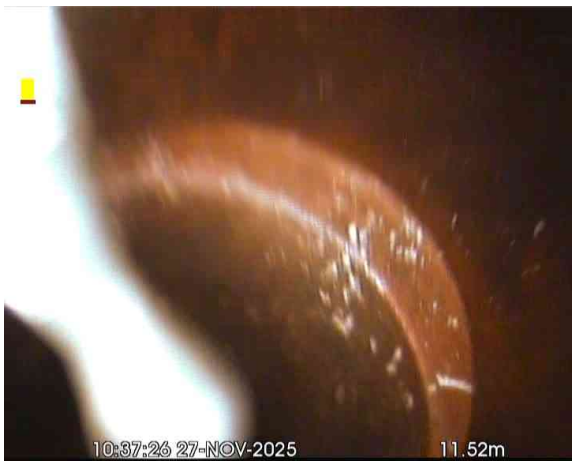
MH3X_997f848b-1e5d-4734-b350-3ab92a034d98_20260313_112930_322.jpg, 00:00:07, 0.23 m
Roots, mass, 20% cross-sectional area loss, start



MH3X_d6fc7cb8-51b5-4d4c-8c74-65c1ccf00065_20260313_113004_240.jpg, 00:00:16, 3.85 m
Attached deposits, grease from 5 o'clock to 7 o'clock, 5% cross-sectional area loss, start



MH3X_3a311c70-7328-4fe9-a986-f99fe5a1b1a1_20260313_113040_118.jpg, 00:00:24, 7.24 m
Fracture, circumferential from 3 o'clock to 9 o'clock



MH3X_af88a7e3-7a78-43f7-81a7-9ef3a7de3be8_20260313_113133_083.jpg, 00:00:38, 11.53 m
Joint displaced, medium