



Project

Project Name: MEP Penrith - Flaxworks Cleator Mills - Cleator - 2025_07_18
Project Description: CCTV
Project Number: 2413
Project Status: Complete
Project Date: 18/07/2025
Inspection Standard: MSCC5 Sewers & Drainage GB (SRM5 Scoring)

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MEP Penrith - Flaxworks Cleator Mills - Cleator - 2025_07_18	2413	18/07/2025

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Project Information

Project Name	Project Number	Project Date
MEP Penrith - Flaxworks Cleator Mills - Cleator - 2025_07_18	2413	18/07/2025

Client

Company: MEP Penrith
Contact: Alex Zachopoulos
Department: GenR8 North Ltd
Street: Glenavon, The Gill
Town or City: Dalston, Carlisle
County: Cumbria
Post Code: CA5 7JP

Site

Company: MEP Penrith
Contact: Alex Zachopoulos
Department: Flaxworks
Street: Cleator Mills
Town or City: Cleator
County: Cumberland
Post Code: CA23 3FA

Contractor

Company: Unblock Cumbria Ltd
Description: Inspection Group
Contact: Ewan Kerr
Department: Managing Director
Street: Kerry Park
Town or City: Workington
County: Cumberland
Post Code: CA14 3TX
Phone: 01900 870140
Email: info@unblockcumbria.co.uk

Project Information

Project Name	Project Number	Project Date
MEP Penrith - Flaxworks Cleator Mills - Cleator - 2025_07_18	2413	18/07/2025

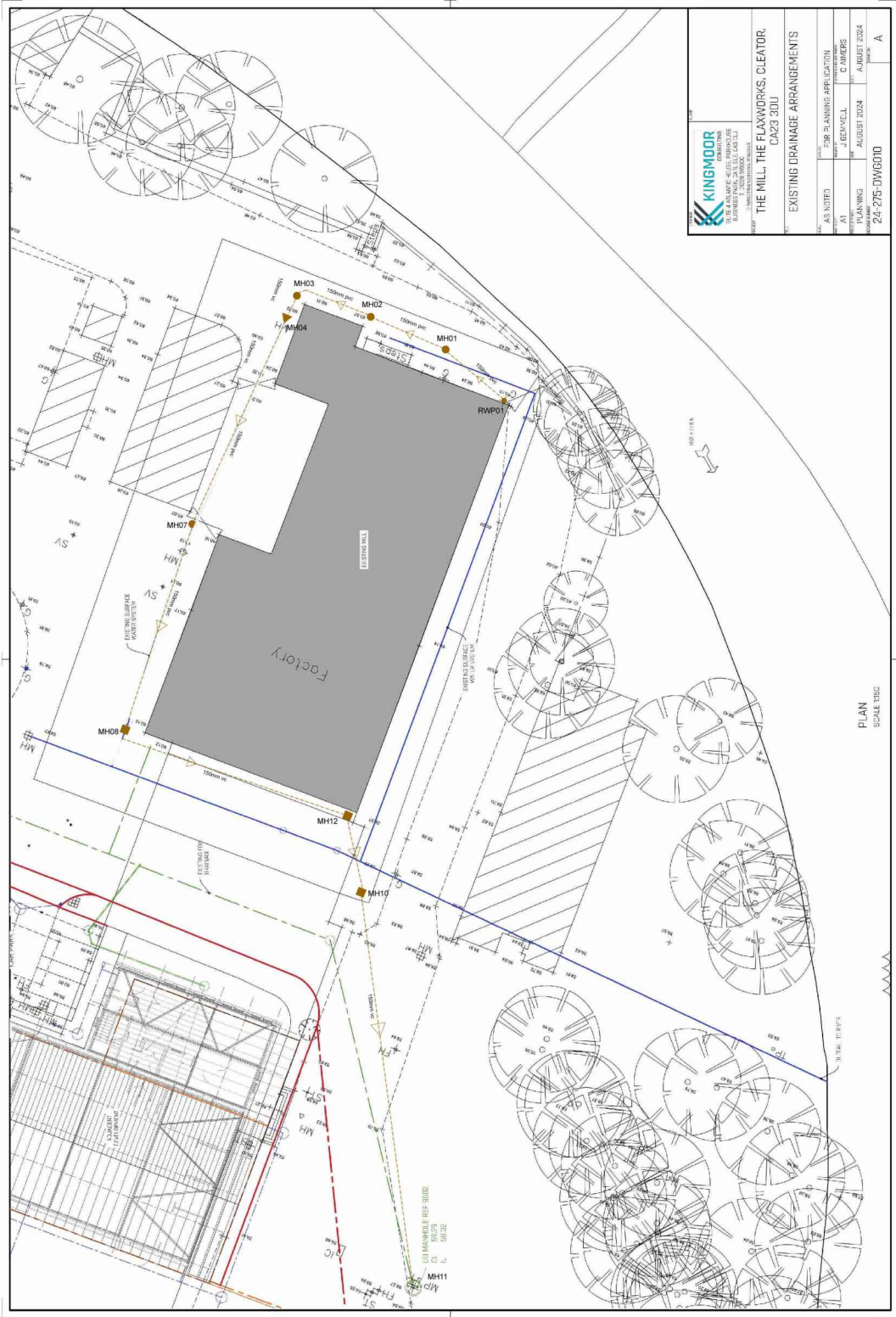
Project Notes

Flaxworks Cleator Mills.

We cleaned and surveyed the combined water drains around the building and identified that the drains our reference on the survey is MH11 discharges into the united utilities manhole reference 9602.

Project Pictures

Project Name	Project Number	Project Date
MEP Penrith - Flaxworks Cleator Mills - Cleator - 2025_07_18	2413	18/07/2025



Flaxworks Drainage Report - map

Defect Grade Description (Section)

Project Name		Project Number	Project Date
MEP Penrith - Flaxworks Cleator Mills - Cleator - 2025_07_18		2413	18/07/2025
1:	Brick: Minor structural defects. Other: Minor structural defects, i.e. open or displaced joints without additional characteristics. Acceptable structural condition.		
2:	Brick: Circumferential cracking. Single longitudinal crack. Surface mortar loss (depth missing < 15 mm). Surface damage - spalling slight (breaking away of small fragments from the surface). Surface damage - wear slight (increased roughness). Other: Circumferential cracking. Surface damage - spalling slight (breaking away of small fragments from the surface). Surface damage - wear slight (increased roughness). Minimal collapse likelihood in the short term but potential for further deterioration.		
3:	Brick: Total mortar loss (depth missing > 50 mm) without other defects. More than one longitudinal crack (at a single location). Multiple cracking. Single bricks displaced. Deformation < 5%, no fracture and only moderate mortar loss. Surface damage - spalling medium (large areas of chipped brick). Surface damage - wear medium (entire surface of brick is missing). Other: Fracture with no deformation or deformation < 5%. Longitudinal cracking or multiple cracking. Minor loss of level. Severe joint defects i.e. Surface damage - spalling medium. Surface damage - wear medium. Collapse unlikely in the near future but further deterioration likely.		
4:	Brick: Total mortar loss (depth missing > 50mm) with deformation > 10%; deformation up to 10% and fractured; displaced or hanging brickwork; small number of missing bricks; dropped invert (drop > 20mm); moderate loss of level; surface damage - large spalling (entire surface of brick is missing); surface damage - large wear (entire surface of brick is missing). Other: Broken; deformation up to 10% and broken; fracture with deformation 5-10%; multiple fractures; serious loss of level; serious joint defects with voids or soil visible (open joint with > 50mm soil or void visible or joint displacement > 25% of diameter); surface damage - entire area of pipe surface is missing or severely worn. Collapse likely in the foreseeable future.		
5:	Brick: Already collapsed; missing Invert; deformation > 10% and fractured; displaced or hanging brickwork and deformation < 10%; extensive areas of missing brickwork. Other: Already collapsed; deformation > 10% and broken; extensive areas of pipe fabric missing; fractures with deformation > 10% Collapsed or collapse imminent.		

Section Summary

Project Name MEP Penrith - Flaxworks Cleator Mills - Cleator - 2025_07_18	Project Number 2413	Project Date 18/07/2025
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Number of sections	9
Total length of sections	146.58 m
Total length of inspected sections	146.58 m
Total length of not inspected sections	0.00 m
Number of abandoned inspections	0
Number of section inspection photos	31
Number of section inspection videos	9
Number of section inspection scans	0
Number of section inclination measurements	0

PLR:	RWP01X	Upstream Node:	RWP01
Inspection Direction:	Upstream	Downstream Node:	MH01
Inspected Length:	8.61 m	Dia/Height:	150 mm
Total Length:	8.61 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH01
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.64	WL	Water level, 10% of the vertical dimension
4	3.05	WL	Water level, 5% of the vertical dimension
5	8.03	LU	Line deviates up
6	8.61	OCF	Finish node, other special chamber, reference: RWP01, end of survey

PLR:	MH01X	Upstream Node:	MH01
Inspection Direction:	Downstream	Downstream Node:	MH02
Inspected Length:	5.41 m	Dia/Height:	150 mm
Total Length:	5.41 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH01
2	0.00	WL	Water level, 5% of the vertical dimension
3	5.41	MHF	Finish node, manhole, reference: MH02, end of survey

PLR:	MH02X	Upstream Node:	MH02
Inspection Direction:	Downstream	Downstream Node:	MH03
Inspected Length:	6.97 m	Dia/Height:	150 mm
Total Length:	6.97 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH02
2	0.00	WL	Water level, 5% of the vertical dimension

Section Summary

Project Name MEP Penrith - Flaxworks Cleator Mills - Cleator - 2025_07_18	Project Number 2413	Project Date 18/07/2025
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No.	m+	Code	Observation
3	6.42	LL	Line deviates left
4	6.97	MHF	Finish node, manhole, reference: MH03, end of survey

PLR:	MH03X	Upstream Node:	MH03
Inspection Direction:	Downstream	Downstream Node:	MH04
Inspected Length:	2.98 m	Dia/Height:	150 mm
Total Length:	2.98 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH03
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.02	LL	Line deviates left
4	2.98	MHF	Finish node, manhole, reference: MH04

PLR:	MH04X	Upstream Node:	MH04
Inspection Direction:	Downstream	Downstream Node:	MH07
Inspected Length:	31.08 m	Dia/Height:	150 mm
Total Length:	31.08 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH04
2	0.00	WL	Water level, 5% of the vertical dimension
3	31.08	MHF	Finish node, manhole, reference: MH07, end of survey

PLR:	MH07X	Upstream Node:	MH07
Inspection Direction:	Downstream	Downstream Node:	MH08
Inspected Length:	7.87 m	Dia/Height:	150 mm
Total Length:	7.87 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH07
2	0.00	WL	Water level, 5% of the vertical dimension
3	7.87	MHF	Finish node, manhole, reference: MH08, end of survey

PLR:	MH08X	Upstream Node:	MH08
Inspection Direction:	Downstream	Downstream Node:	MH12
Inspected Length:	21.74 m	Dia/Height:	150 mm
Total Length:	21.74 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH08
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.63	LL	Line deviates left
4	21.74	MHF	Finish node, manhole, reference: MH12, end of survey

PLR:	MH12X	Upstream Node:	MH12
Inspection Direction:	Downstream	Downstream Node:	MH10
Inspected Length:	8.05 m	Dia/Height:	150 mm
Total Length:	8.05 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH12

Section Summary

Project Name MEP Penrith - Flaxworks Cleator Mills - Cleator - 2025_07_18	Project Number 2413	Project Date 18/07/2025
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No.	m+	Code	Observation
2	0.00	WL	Water level, 5% of the vertical dimension
3	7.74	JN	Junction at 3 o'clock, 150mm dia
4	8.05	MHF	Finish node, manhole, reference: MH10, end of survey

PLR:	MH10X	Upstream Node:	MH10
Inspection Direction:	Downstream	Downstream Node:	MH11
Inspected Length:	53.87 m	Dia/Height:	150 mm
Total Length:	53.87 m	Material:	Vitrified clay

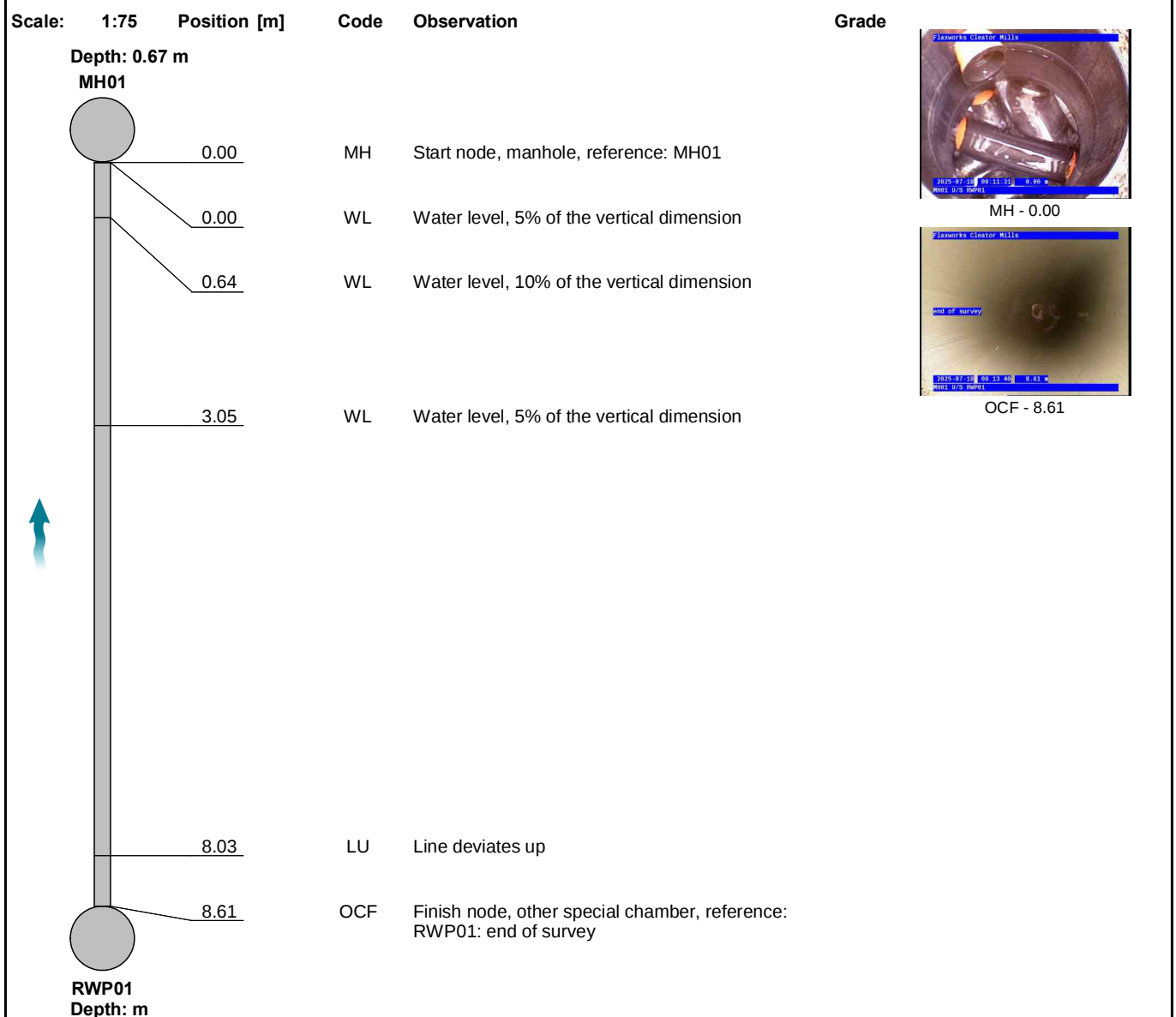
No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH10
2	0.00	WL	Water level, 5% of the vertical dimension
3	1.32	MCEP	Pipe material changes to epoxy at this point, patch liner
4	2.16	MCVC	Pipe material changes to vitrified clay at this point
5	2.52	MCEP	Pipe material changes to epoxy at this point, patch liner
6	3.38	MCVC	Pipe material changes to vitrified clay at this point
7	9.18	MCEP	Pipe material changes to epoxy at this point, patch liner
8	9.90	MCVC	Pipe material changes to vitrified clay at this point
9	23.22	MCEP	Pipe material changes to epoxy at this point, patch liner
10	23.94	MCVC	Pipe material changes to vitrified clay at this point
11	31.74	MCEP	Pipe material changes to epoxy at this point, patch liner
12	32.84	MCVC	Pipe material changes to vitrified clay at this point
13	52.93	MCEP	Pipe material changes to epoxy at this point, patch liner
14	53.37	LL	Line deviates left
15	53.66	MCVC	Pipe material changes to vitrified clay at this point
16	53.87	MHF	Finish node, manhole, reference: MH11 - UU 9602, end of survey

Section Inspection - 18/07/2025 - RWP01X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
1	1	18/07/25	14:03	2413	Rain	Yes	RWP01X
Operator Michael Jr		Vehicle CCTV Rig 1		Camera Agilios	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Cleator	Inspection Direction:	Upstream	Upstream Node:	RWP01
Road:	Cleator Mills	Inspected Length:	8.61 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	8.61 m	Downstream Node:	MH01
Surface Type:	Gravel	Joint Length:		Downstream Pipe Depth:	0.670 m
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:	
Recommendations:	



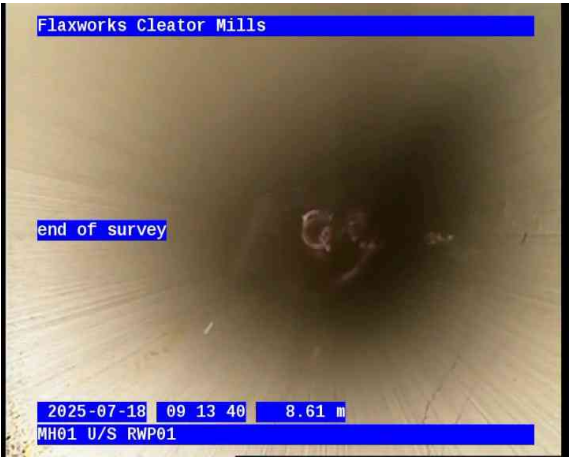
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 18/07/2025 - RWP01X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Upstream	RWP01X	2413	JC 33143



MH01-RWP01-18-07-2025-001.png, 00:00:00, 0.00 m
Start node, manhole, reference: MH01



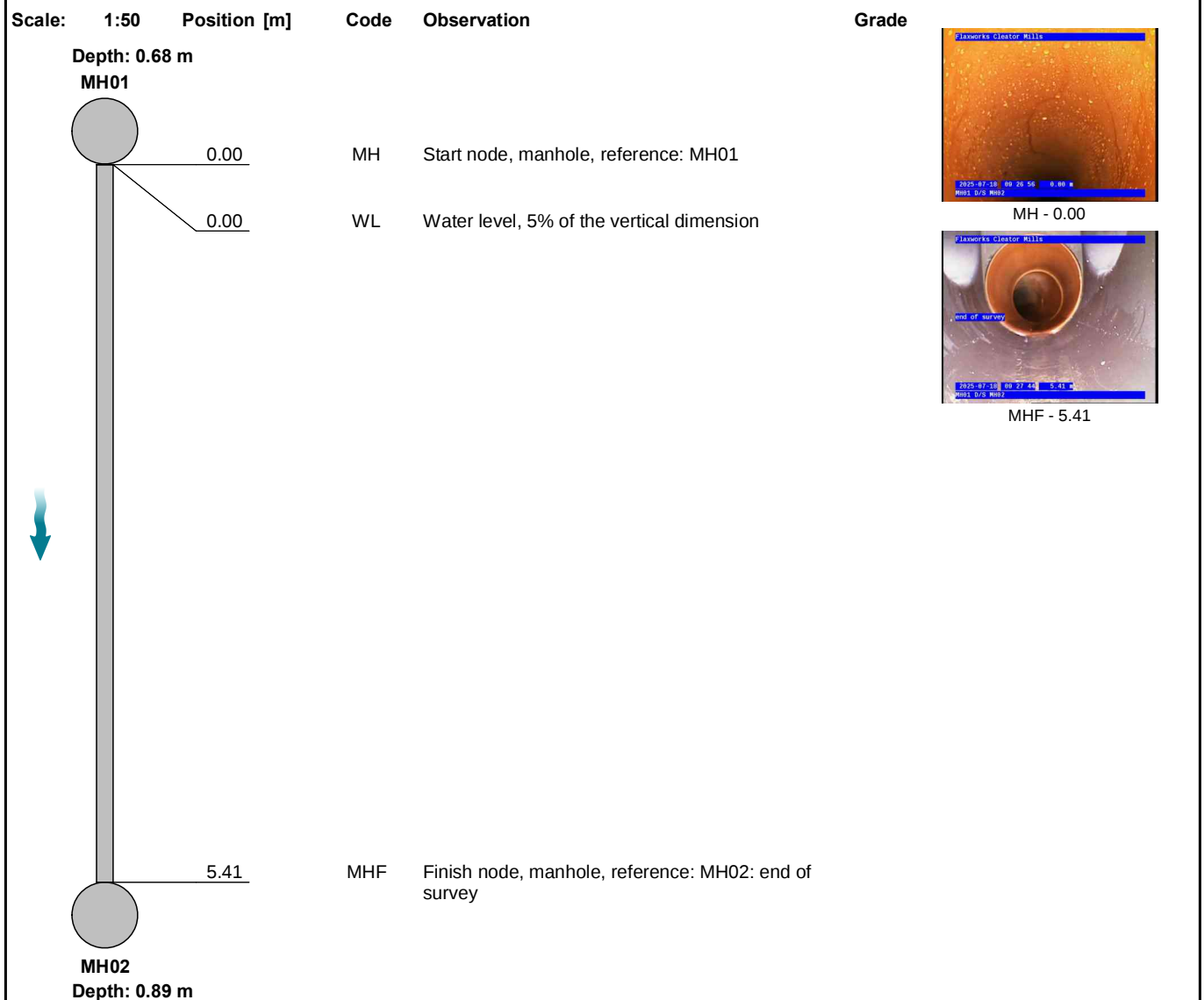
MH01-RWP01-18-07-2025-002.jpg, 00:01:38, 8.61 m
Finish node, other special chamber, reference: RWP01, end of survey

Section Inspection - 18/07/2025 - MH01X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
2	1	18/07/25	14:02	2413	Rain	Yes	MH01X
Operator Michael Jr		Vehicle CCTV Rig 1		Camera Agilios	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Cleator	Inspection Direction:	Downstream	Upstream Node:	MH01
Road:	Cleator Mills	Inspected Length:	5.41 m	Upstream Pipe Depth:	0.680 m
Location:	Road	Total Length:	5.41 m	Downstream Node:	MH02
Surface Type:	Gravel	Joint Length:		Downstream Pipe Depth:	0.890 m
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:
Recommendations:



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 - 18/07/2025 - MH01X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Downstream	MH01X	2413	JC 33143



MH01-MH02-18-07-2025-003.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: MH01



MH01-MH02-18-07-2025-004.jpg, 00:00:48, 5.41 m
Finish node, manhole, reference: MH02, end of survey

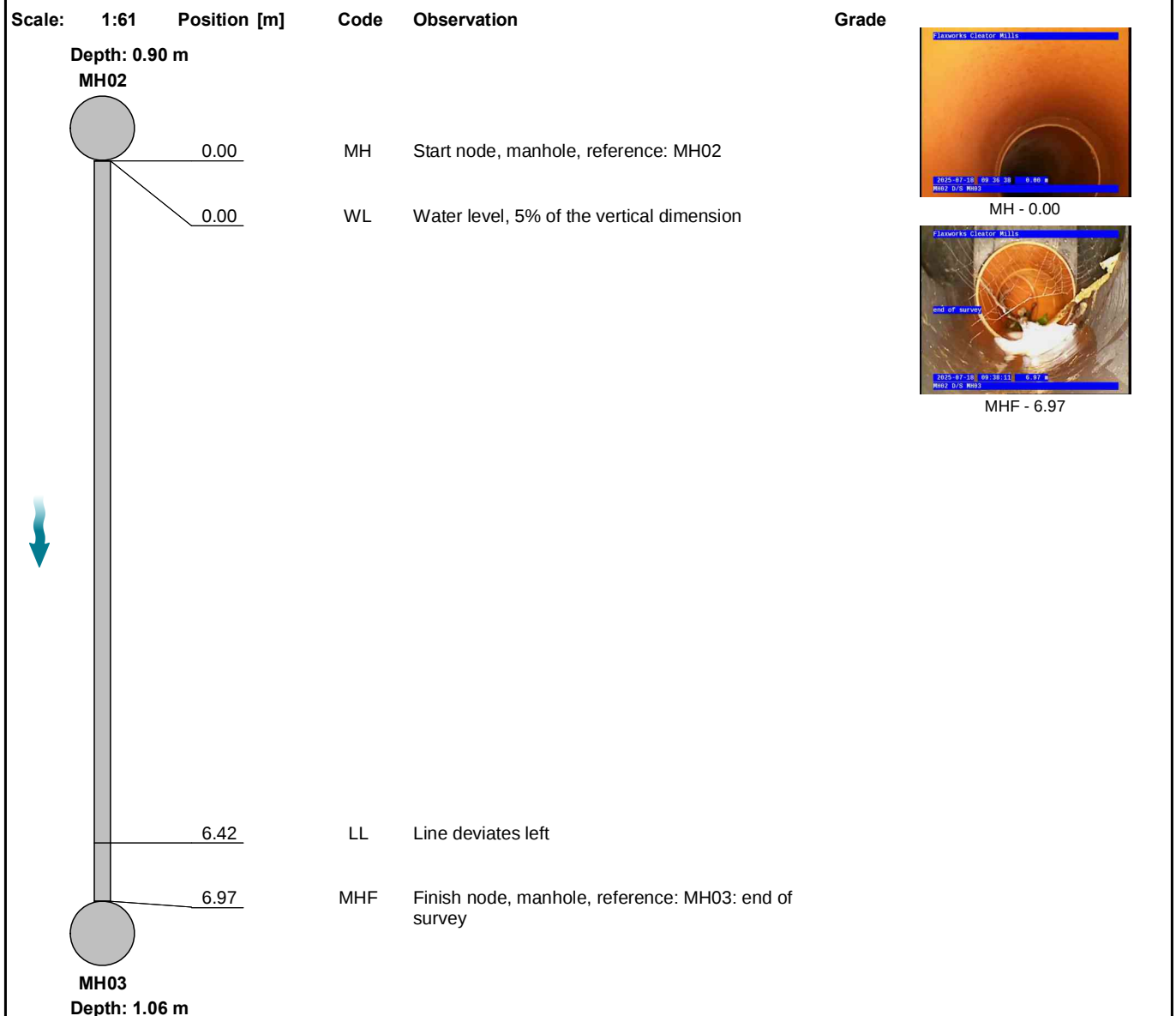
Section Inspection - 18/07/2025 - MH02X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
3	1	18/07/25	14:01	2413	Rain	Yes	MH02X
Operator Michael Jr		Vehicle CCTV Rig 1		Camera Agilios	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Cleator	Inspection Direction:	Downstream	Upstream Node:	MH02
Road:	Cleator Mills	Inspected Length:	6.97 m	Upstream Pipe Depth:	0.900 m
Location:	Road	Total Length:	6.97 m	Downstream Node:	MH03
Surface Type:	Gravel	Joint Length:		Downstream Pipe Depth:	1.060 m
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:

Recommendations:



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 - 18/07/2025 - MH02X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
3	Downstream	MH02X	2413	JC 33143



MH02-MH03-18-07-2025-005.jpg, 00:00:00, 0.00 m
 Start node, manhole, reference: MH02



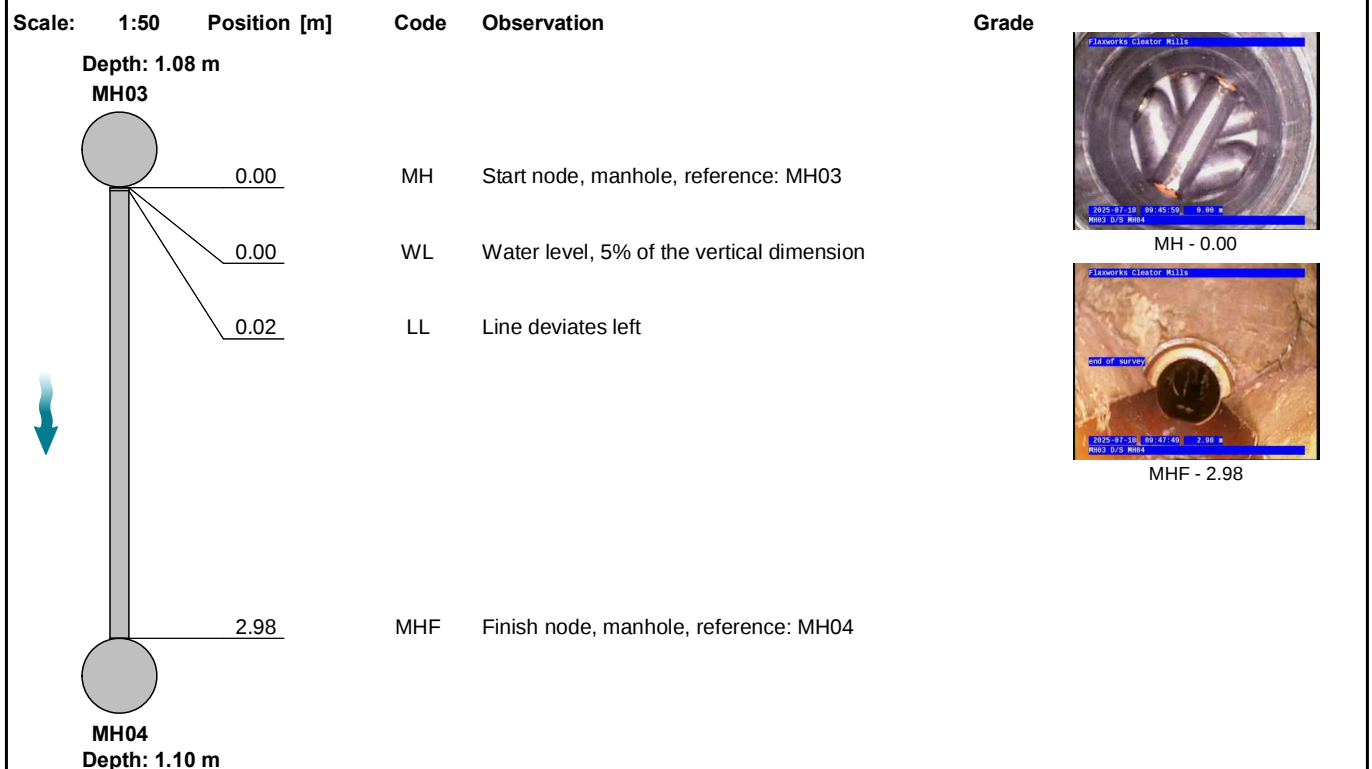
MH02-MH03-18-07-2025-006.jpg, 00:01:32, 6.97 m
 Finish node, manhole, reference: MH03, end of survey

Section Inspection - 18/07/2025 - MH03X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
4	1	18/07/25	14:00	2413	Rain	Yes	MH03X
Operator Michael Jr		Vehicle CCTV Rig 1		Camera Agilios	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Cleator	Inspection Direction:	Downstream	Upstream Node:	MH03
Road:	Cleator Mills	Inspected Length:	2.98 m	Upstream Pipe Depth:	1.080 m
Location:	Road	Total Length:	2.98 m	Downstream Node:	MH04
Surface Type:	Gravel	Joint Length:		Downstream Pipe Depth:	1.100 m
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:
Recommendations:



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 - 18/07/2025 - MH03X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Downstream	MH03X	2413	JC 33143



MH03-MH04-18-07-2025-007.png, 00:00:00, 0.00 m
Start node, manhole, reference: MH03



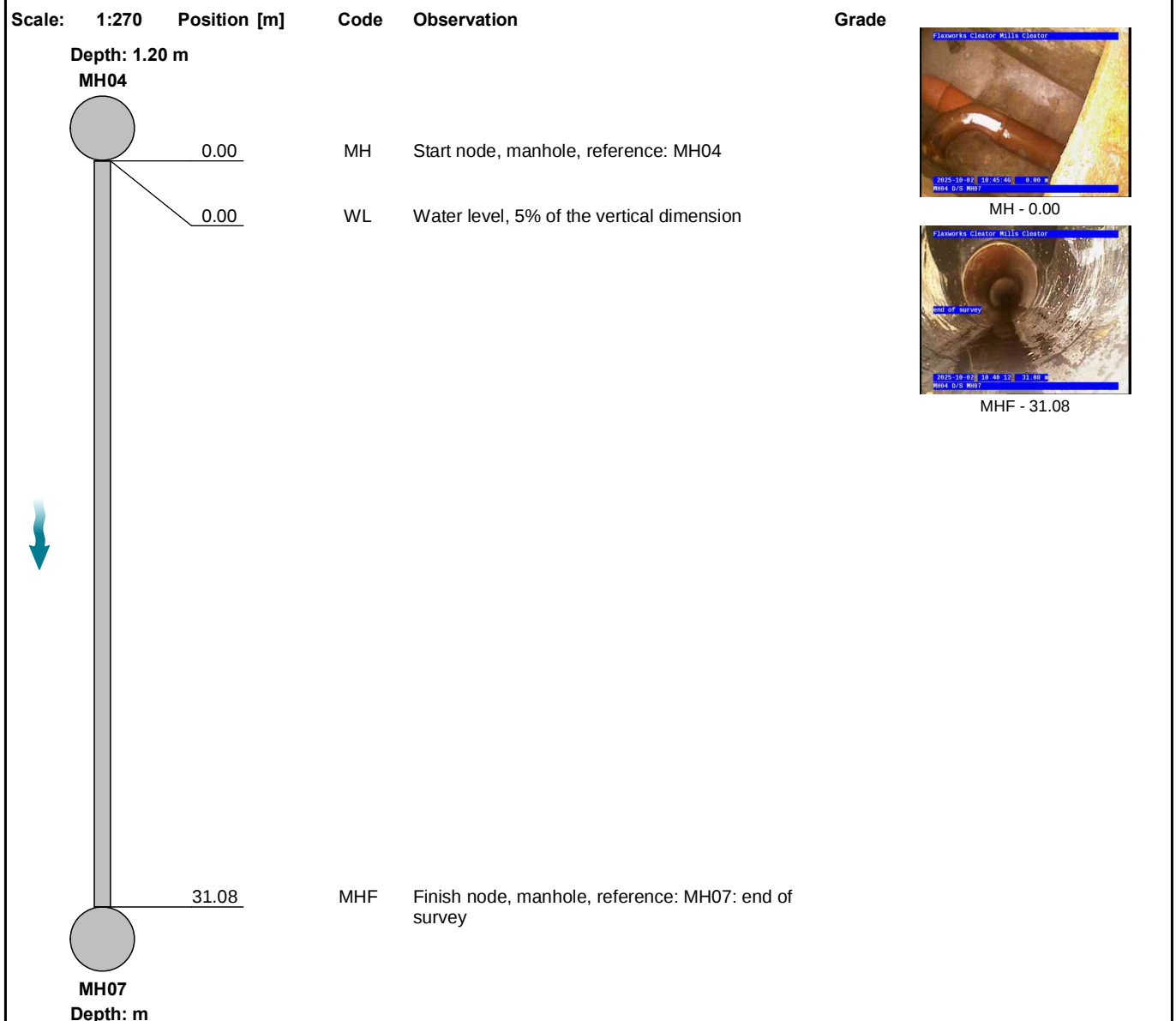
MH03-MH04-18-07-2025-008.jpg, 00:00:27, 2.98 m
Finish node, manhole, reference: MH04

Section Inspection - 02/10/2025 - MH04X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
5	1	02/10/25	13:03	2413	Rain	No	MH04X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
Michael Jr		CCTV Rig 1		Agilios	Not Specified	Not Specified	Not Specified

Town or Village:	Cleator	Inspection Direction:	Downstream	Upstream Node:	MH04
Road:	Cleator Mills	Inspected Length:	31.08 m	Upstream Pipe Depth:	1.200 m
Location:	Road	Total Length:	31.08 m	Downstream Node:	MH07
Surface Type:	Gravel	Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:
Recommendations:



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 - 02/10/2025 - MH04X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
5	Downstream	MH04X	2413	JC 33143



MH04-MH07-02-10-2025-009.png, 00:00:00, 0.00 m
 Start node, manhole, reference: MH04



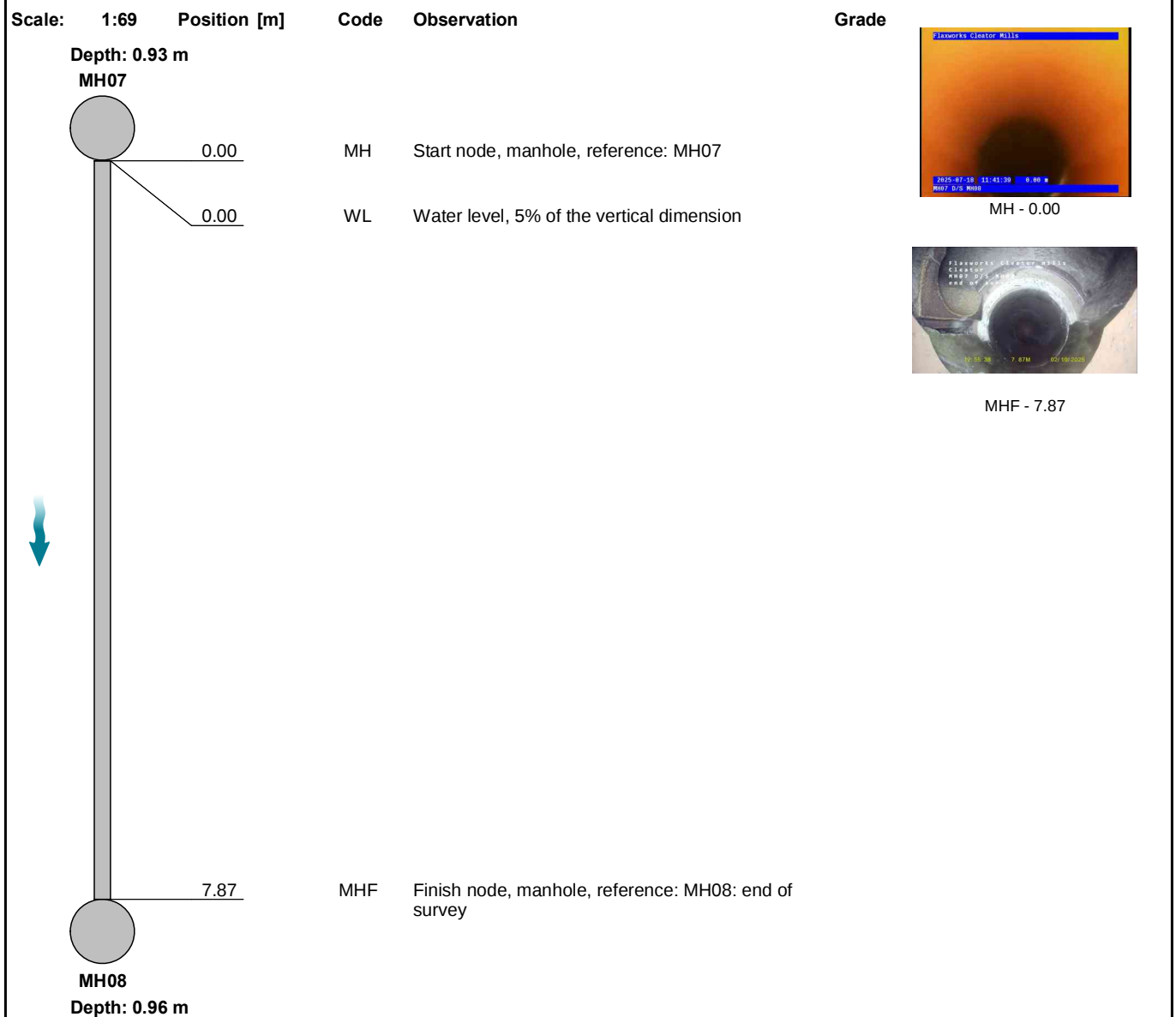
MH04-MH07-02-10-2025-010.jpg, 00:02:00, 31.08 m
 Finish node, manhole, reference: MH07, end of survey

Section Inspection - 02/10/2025 - MH07X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
6	1	02/10/25	13:47	2413	Rain	Yes	MH07X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
Michael Jr		CCTV Rig 1		Agilios	Not Specified	Not Specified	Not Specified

Town or Village:	Cleator	Inspection Direction:	Downstream	Upstream Node:	MH07
Road:	Cleator Mills	Inspected Length:	7.87 m	Upstream Pipe Depth:	0.930 m
Location:	Road	Total Length:	7.87 m	Downstream Node:	MH08
Surface Type:	Gravel	Joint Length:		Downstream Pipe Depth:	0.960 m
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:
Recommendations:



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 - 02/10/2025 - MH07X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
6	Downstream	MH07X	2413	JC 33143



MH07-MH08-02-10-2025-011.jpg, 00:00:00, 0.00 m
 Start node, manhole, reference: MH07



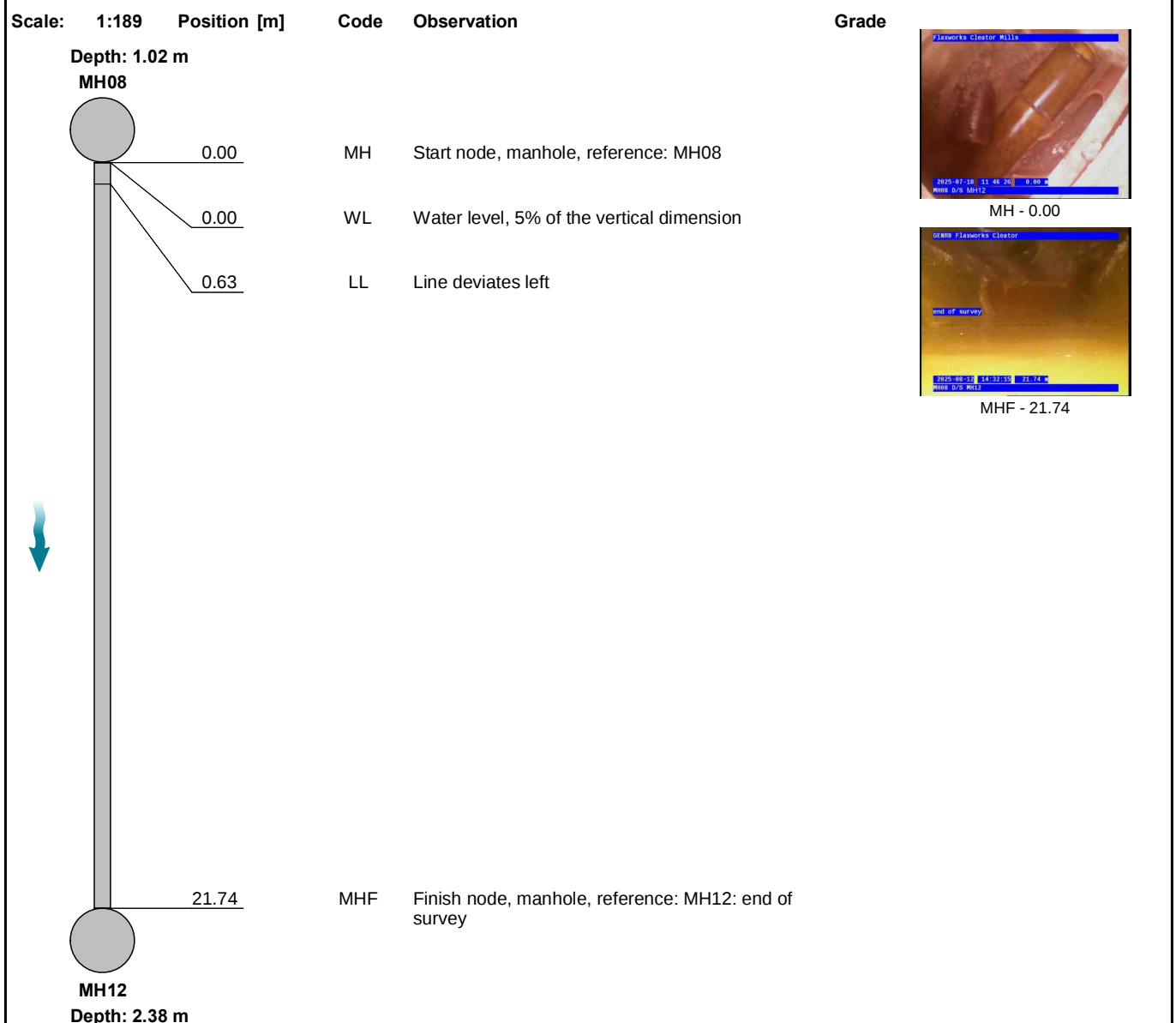
MH07-MH08-02-10-2025-012.jpg, 00:01:34, 7.87 m
 Finish node, manhole, reference: MH08, end of survey

Section Inspection - 21/08/2025 - MH08X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
7	1	21/08/25	10:26	2413	No Rain Or Snow	Yes	MH08X
Operator Michael Jr		Vehicle CCTV Rig 1		Camera Agilios	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Cleator	Inspection Direction:	Downstream	Upstream Node:	MH08
Road:	Cleator Mills	Inspected Length:	21.74 m	Upstream Pipe Depth:	1.020 m
Location:	Road	Total Length:	21.74 m	Downstream Node:	MH12
Surface Type:	Gravel	Joint Length:		Downstream Pipe Depth:	2.380 m
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:
Recommendations:



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 - 21/08/2025 - MH08X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
7	Downstream	MH08X	2413	JC 33143



MH08-MH12-21-08-2025-013.png, 00:00:00, 0.00 m
Start node, manhole, reference: MH08



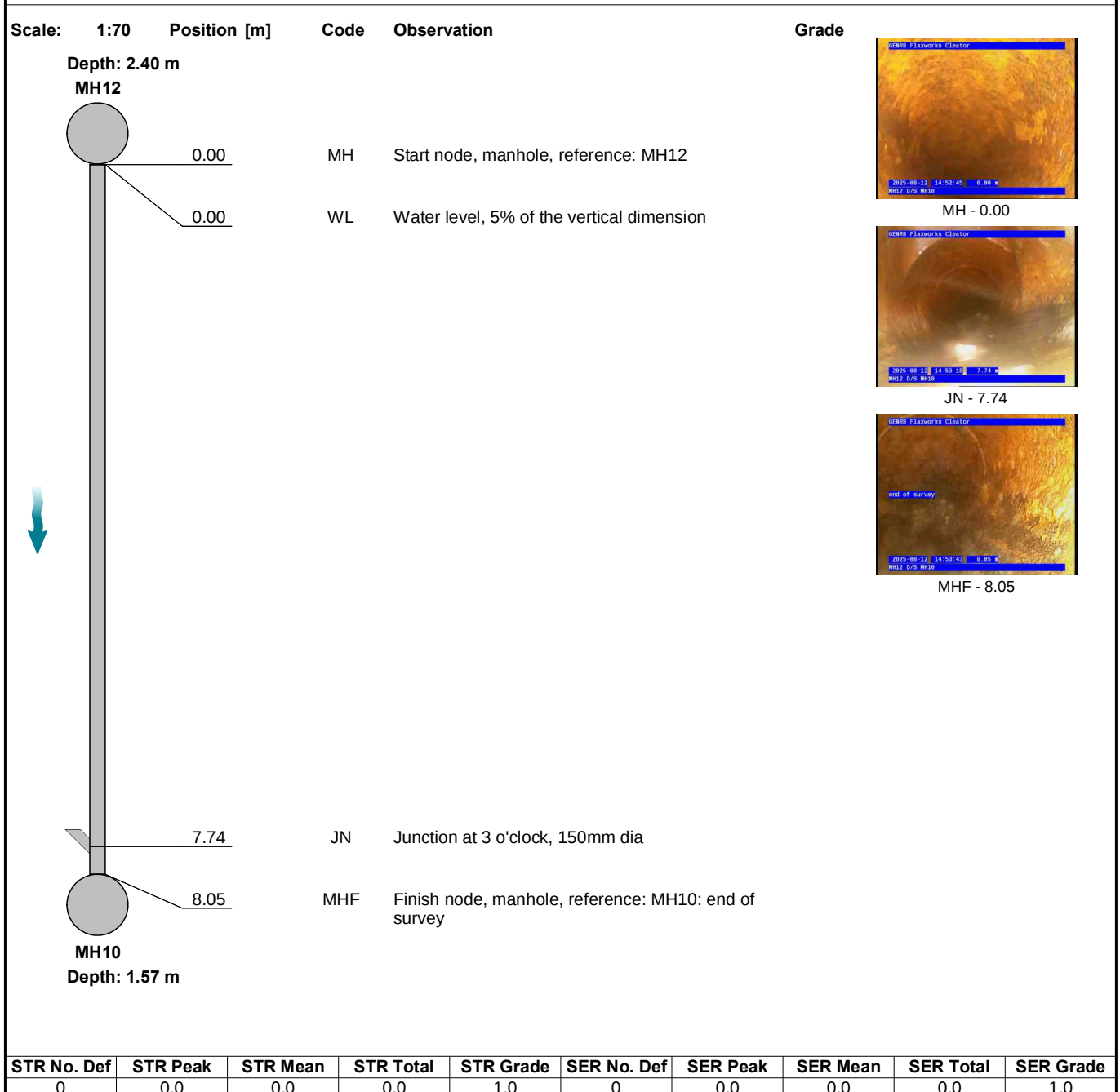
MH08-MH12-21-08-2025-014.jpg, 00:06:53, 21.74 m
Finish node, manhole, reference: MH12, end of survey

Section Inspection - 13/08/2025 - MH12X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
8	1	13/08/25	13:48	2413	No Rain Or Snow	Yes	MH12X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
Michael Jr		CCTV Rig 1		Agilios	Not Specified	Not Specified	Not Specified

Town or Village:	Cleator	Inspection Direction:	Downstream	Upstream Node:	MH12
Road:	Cleator Mills	Inspected Length:	8.05 m	Upstream Pipe Depth:	2.400 m
Location:	Verge	Total Length:	8.05 m	Downstream Node:	MH10
Surface Type:	Gravel	Joint Length:		Downstream Pipe Depth:	1.570 m
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:
Recommendations:



Section Pictures - 13/08/2025 - MH12X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Downstream	MH12X	2413	JC 33143



MH12-MH10-13-08-2025-015.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: MH12



MH12-MH10-13-08-2025-016.jpg, 00:00:43, 7.74 m
Junction at 3 o'clock, 150mm dia



MH12-MH10-13-08-2025-017.jpg, 00:00:58, 8.05 m
Finish node, manhole, reference: MH10, end of survey

Section Inspection - 02/10/2025 - MH10X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
9	1	02/10/25	11:00	2413	No Rain Or Snow	Yes	MH10X
Operator Michael Jr		Vehicle CCTV Rig 1		Camera Agilios	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Cleator	Inspection Direction:	Downstream	Upstream Node:	MH10
Road:	Cleator Mills	Inspected Length:	53.87 m	Upstream Pipe Depth:	1.590 m
Location:	Verge	Total Length:	53.87 m	Downstream Node:	MH11
Surface Type:	Gravel	Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:

Recommendations:

Scale: 1:466	Position [m]	Code	Observation	Grade
Depth: 1.59 m 				
MH10	0.00	MH	Start node, manhole, reference: MH10	 MH - 0.00
	0.00	WL	Water level, 5% of the vertical dimension	
	1.32	MCEP	Pipe material changes to epoxy at this point: patch liner	 MCEP - 1.32
	2.16	MCVC	Pipe material changes to vitrified clay at this point	 MCVC - 2.16
	2.52	MCEP	Pipe material changes to epoxy at this point: patch liner	 MCEP - 2.52
	3.38	MCVC	Pipe material changes to vitrified clay at this point	 MCVC - 3.38
	9.18	MCEP	Pipe material changes to epoxy at this point: patch liner	
	9.90	MCVC	Pipe material changes to vitrified clay at this point	
	23.22	MCEP	Pipe material changes to epoxy at this point: patch liner	
	23.94	MCVC	Pipe material changes to vitrified clay at this point	
	31.74	MCEP	Pipe material changes to epoxy at this point: patch liner	
	32.84	MCVC	Pipe material changes to vitrified clay at this point	
	52.93	MCEP	Pipe material changes to epoxy at this point: patch liner	
	53.37	LL	Line deviates left	
	53.66	MCVC	Pipe material changes to vitrified clay at this point	

Section Inspection - 02/10/2025 - MH10X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
9	1	02/10/25	11:00	2413	No Rain Or Snow	Yes	MH10X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
Michael Jr		CCTV Rig 1		Agilios	Not Specified	Not Specified	Not Specified

Scale: 1:466 Position [m]



MH11
Depth: m

53.87

Code
MHF

Observation

Finish node, manhole, reference: MH11 - UU
9602: end of survey

Grade



MCEP - 9.18



MCVC - 9.90



MCEP - 23.22



MCVC - 23.94



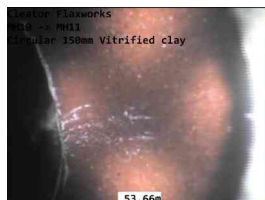
MCEP - 31.74



MCVC - 32.84



MCEP - 52.93



MCVC - 53.66



MHF - 53.87

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 - 02/10/2025 - MH10X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
9	Downstream	MH10X	2413	JC 33143



MH10-MH11-02-10-2025-018.png, 00:00:00, 0.00 m
Start node, manhole, reference: MH10



MH10-MH11-02-10-2025-019.jpg, 00:00:29, 1.32 m
Pipe material changes to epoxy at this point, patch liner



MH10-MH11-02-10-2025-020.jpg, 00:00:36, 2.16 m
Pipe material changes to vitrified clay at this point



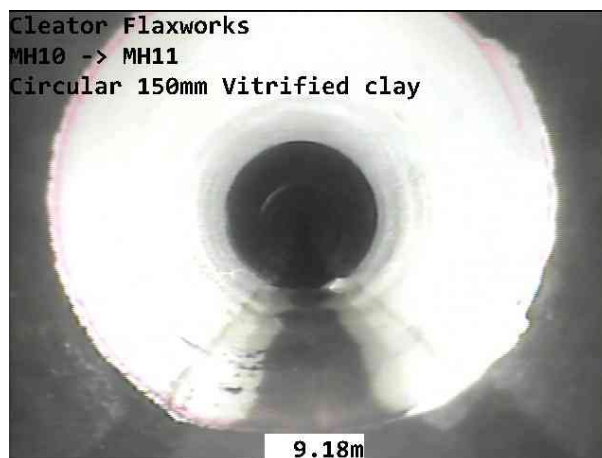
MH10-MH11-02-10-2025-021.jpg, 00:00:40, 2.52 m
Pipe material changes to epoxy at this point, patch liner

Section Pictures - 02/10/2025 - MH10X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
9	Downstream	MH10X	2413	JC 33143



MH10-MH11-02-10-2025-022.jpg, 00:00:48, 3.38 m
 Pipe material changes to vitrified clay at this point



MH10-MH11-02-10-2025-023.jpg, 00:01:49, 9.18 m
 Pipe material changes to epoxy at this point, patch liner



MH10-MH11-02-10-2025-024.jpg, 00:01:57, 9.90 m
 Pipe material changes to vitrified clay at this point



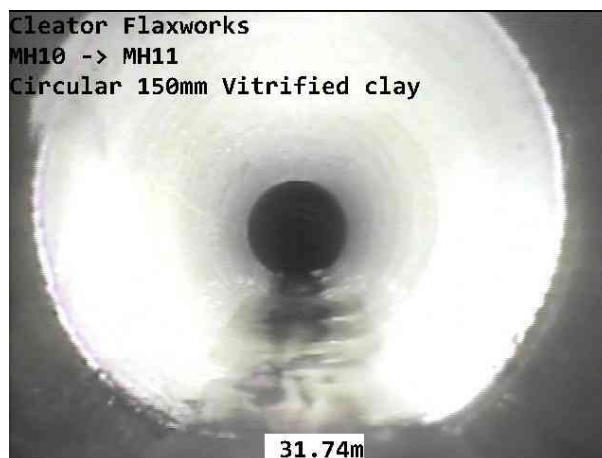
MH10-MH11-02-10-2025-025.jpg, 00:04:10, 23.22 m
 Pipe material changes to epoxy at this point, patch liner

Section Pictures - 02/10/2025 - MH10X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
9	Downstream	MH10X	2413	JC 33143



MH10-MH11-02-10-2025-026.jpg, 00:04:17, 23.94 m
 Pipe material changes to vitrified clay at this point



MH10-MH11-02-10-2025-027.jpg, 00:05:41, 31.74 m
 Pipe material changes to epoxy at this point, patch liner



MH10-MH11-02-10-2025-028.jpg, 00:05:53, 32.84 m
 Pipe material changes to vitrified clay at this point



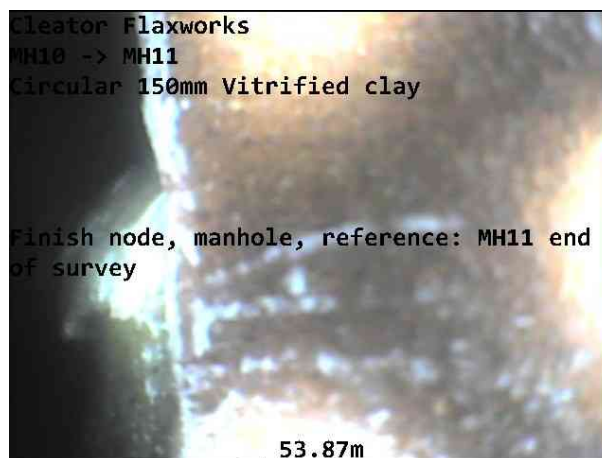
MH10-MH11-02-10-2025-029.jpg, 00:09:47, 52.93 m
 Pipe material changes to epoxy at this point, patch liner

Section Pictures - 02/10/2025 - MH10X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
9	Downstream	MH10X	2413	JC 33143



MH10-MH11-02-10-2025-030.jpg, 00:09:58, 53.66 m
 Pipe material changes to vitrified clay at this point



MH10-MH11-02-10-2025-031.jpg, 00:10:07, 53.87 m
 Finish node, manhole, reference: MH11 - UU 9602, end of survey