

**Project**

**Project Name:**

**Project Description:** CCTV Survey

**Project Number:**

**Project Status:** Complete

**Project Date:** 25/03/2022

**Inspection Standard:** MSCC5 Sewers & Drainage GB (SRM5 Scoring)

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## Project Information

Project Name

Project Number

Project Date

25/03/2022

### Client

**Company:**  
**Contact:**  
**Department:**  
**Street:**  
**Town or City:**  
**County:**  
**Post Code:**

### Site

**Company:**  
**Contact:**  
**Department:**  
**Street:**  
**Town or City:**  
**County:**  
**Post Code:**

### Contractor

**Company:** Alternative Drainage 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

## Scoring Summary

**Project Name**
**Project Number**
**Project Date**

25/03/2022

### 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
24	MH6X	3	Fracture, circumferential from 10 o'clock to 2 o'clock
41	G4X	5	Collapsed drain or sewer

### 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
2	MH1X	3	Settled deposits, fine, 5% cross-sectional area loss, finish
5	MH2X	4	Settled deposits, fine, 20% cross-sectional area loss, finish
19	UpstreamX	3	Multiple defects
20	FW1X	3	Multiple defects
21	Upstream AX	4	Settled deposits, hard or compacted, 20% cross-sectional area loss
33	Upstream CX	3	Multiple defects
41	G4X	3	Joint displaced, medium

### Abandoned Surveys

Section	PLR	Description
8	Upstream AX	Survey abandoned
9	Upstream BX	Survey abandoned
12	Upstream AX	Survey abandoned
16	Upstream AX	Survey abandoned
18	SW1X	Survey abandoned
20	FW1X	Survey abandoned
21	Upstream AX	Survey abandoned
22	UpstreamX	Survey abandoned
26	Upstream BX	Survey abandoned
27	Upstream CX	Survey abandoned
31	Upstream AX	Survey abandoned
34	Upstream DX	Survey abandoned

## Scoring Summary

Project Name

Project Number

Project Date

25/03/2022

Section	PLR	Description
36	Upstream AX	Survey abandoned
41	G4X	Survey abandoned

### Information

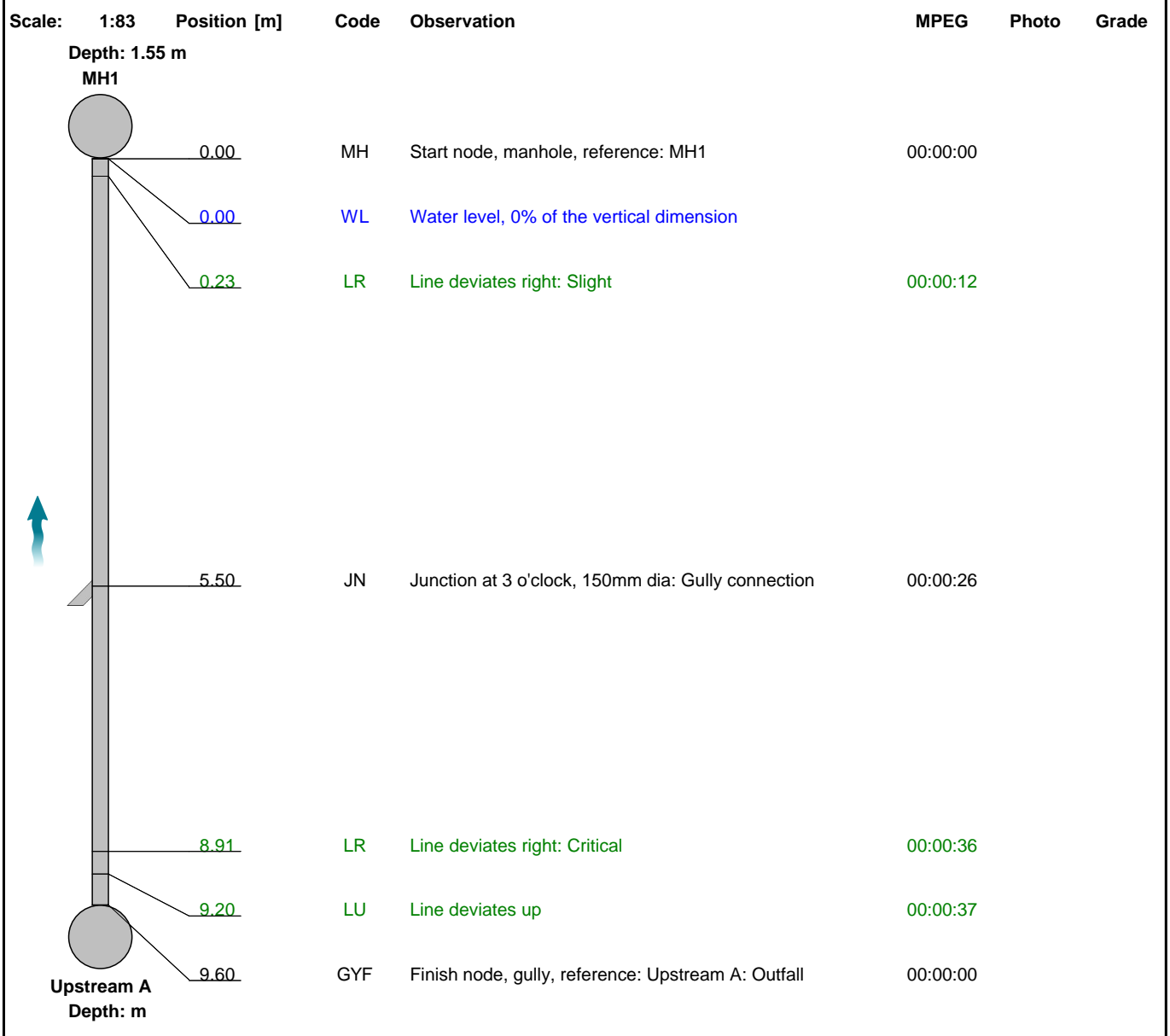
These scoring summaries are based on the SRM grading from the WRc.

## Section Inspection - 21/03/2022 - Upstream AX

Item No. 1	Insp. No. 1	Date 21/03/22	Time 7:31	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAM AX
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Inspection Direction: Upstream	Upstream Node: UPSTREAM A
Road:	Inspected Length: 9.60 m	Upstream Pipe Depth:
Location:	Total Length: 9.60 m	Downstream Node: MH1
Surface Type:	Joint Length:	Downstream Pipe Depth: 1.550 m
Use: Surface water	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 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:**



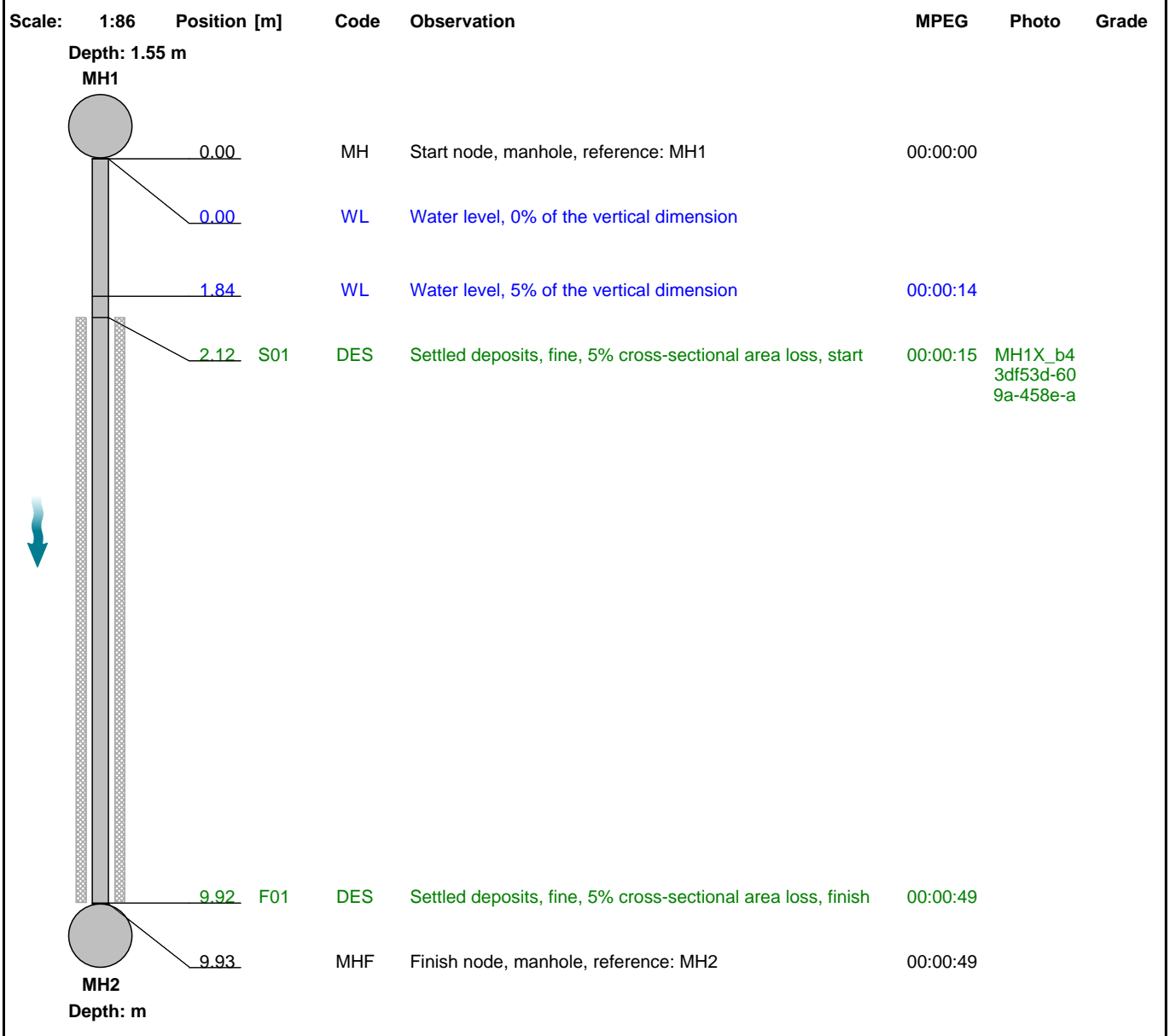
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

## Section Inspection - 21/03/2022 - MH1X

Item No. 2	Insp. No. 1	Date 21/03/22	Time 7:31	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR MH1X
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Inspection Direction: Downstream	Upstream Node: MH1
Road:	Inspected Length: 9.93 m	Upstream Pipe Depth: 1.550 m
Location:	Total Length: 9.93 m	Downstream Node: MH2
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	Material: Polyvinyl chloride	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Sample condition survey	Lining Material: No Lining	

**Comments:**  
**Recommendations:**

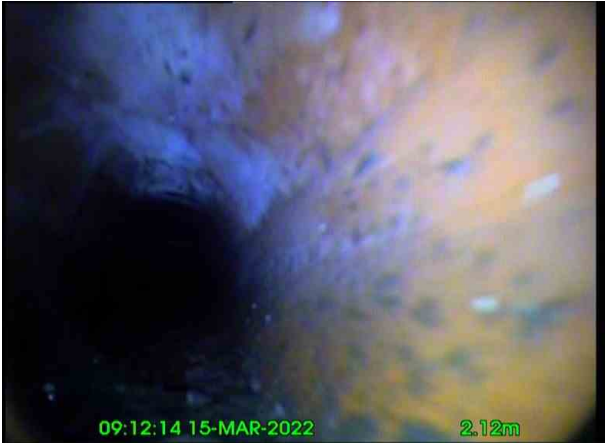


Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	2.0	1.6	16.0	3.0



## Section Pictures - 21/03/2022 - MH1X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job
2	Downstream	MH1X		



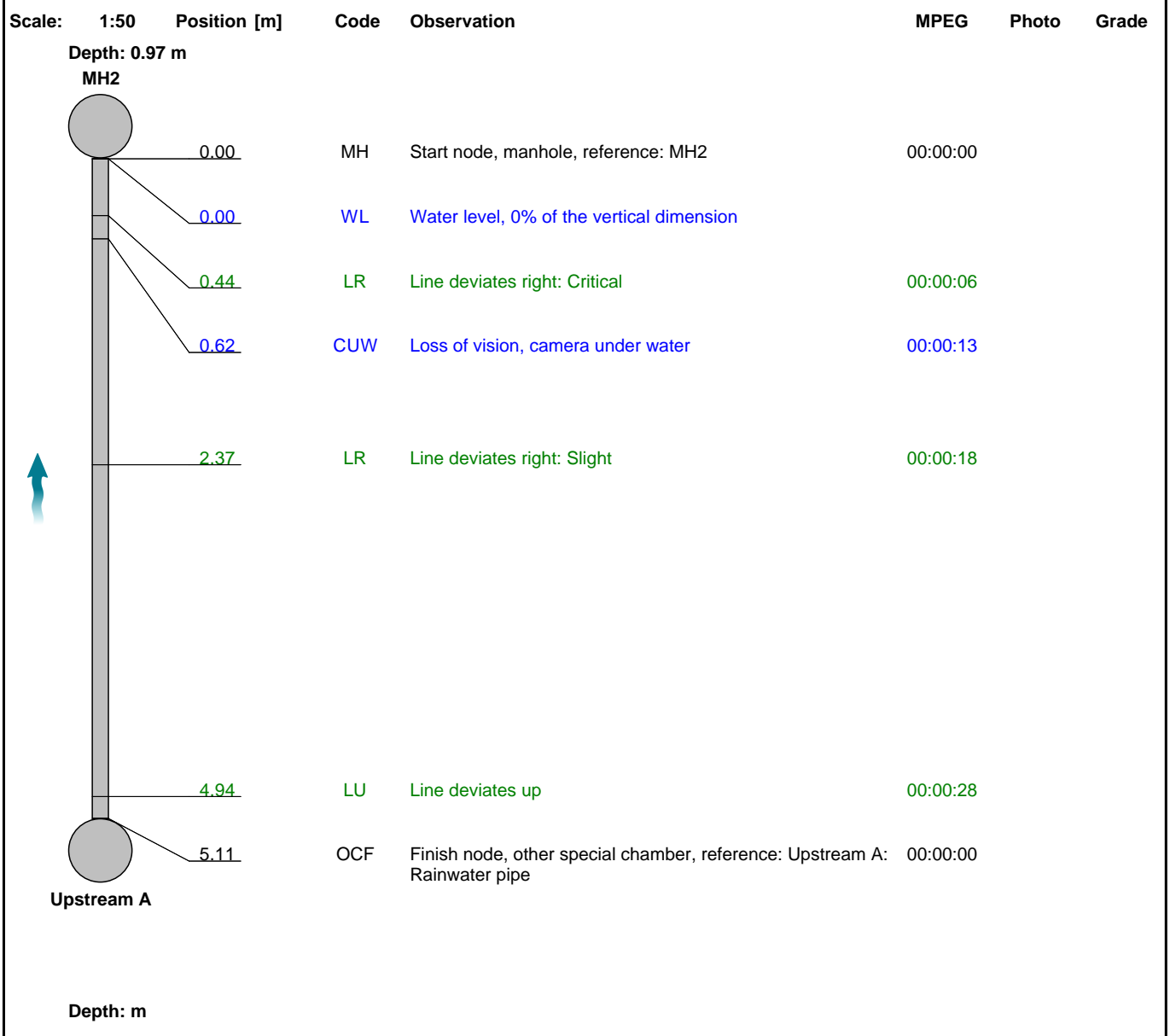
MH1X\_b43df53d-609a-458e-a9be-14dbc89b0d00\_20220325\_094845\_311.jpg, 00:00:15, 2.12 m  
Settled deposits, fine, 5% cross-sectional area loss, start

## Section Inspection - 21/03/2022 - Upstream AX

Item No. 3	Insp. No. 1	Date 21/03/22	Time 7:31	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAM AX
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Inspection Direction: Upstream	Upstream Node: UPSTREAM A
Road:	Inspected Length: 5.11 m	Upstream Pipe Depth:
Location:	Total Length: 5.11 m	Downstream Node: MH2
Surface Type:	Joint Length:	Downstream Pipe Depth: 0.970 m
Use: Surface water	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 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:**



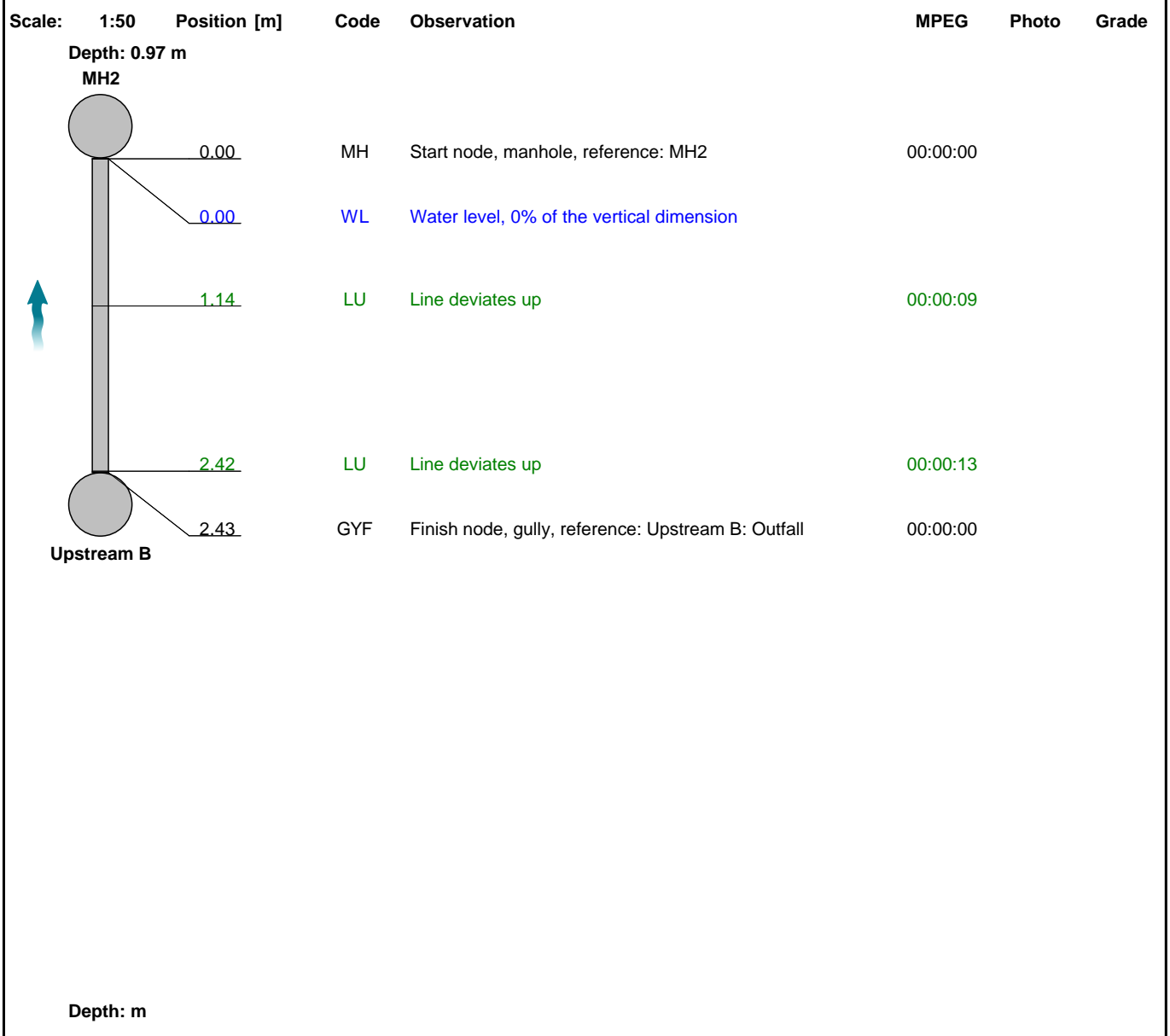
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

## Section Inspection - 21/03/2022 - Upstream BX

Item No. 4	Insp. No. 1	Date 21/03/22	Time 7:31	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAM BX
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Inspection Direction: Upstream	Upstream Node: UPSTREAM B
Road:	Inspected Length: 2.43 m	Upstream Pipe Depth:
Location:	Total Length: 2.43 m	Downstream Node: MH2
Surface Type:	Joint Length:	Downstream Pipe Depth: 0.970 m
Use: Surface water	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 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:**



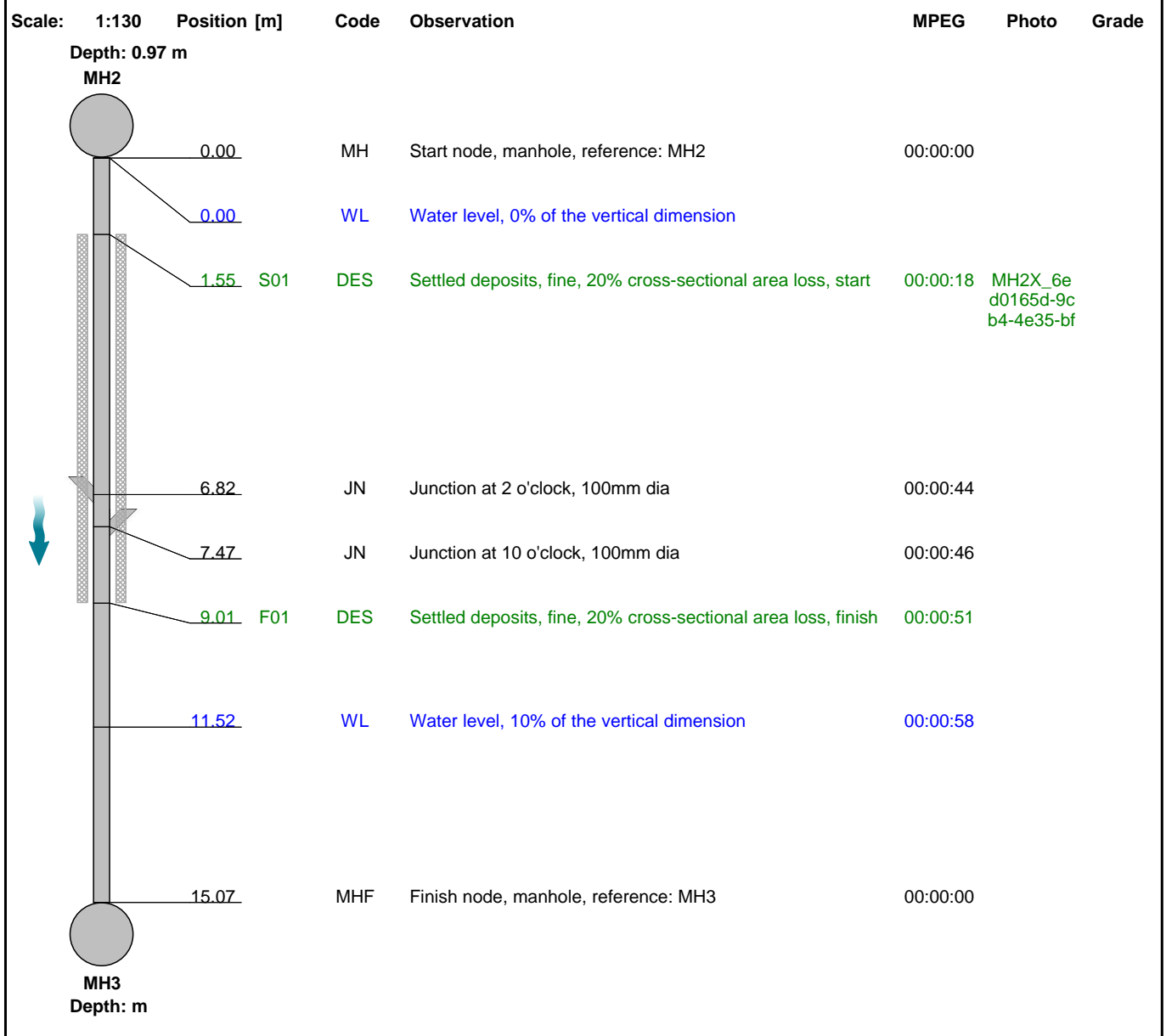
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

## Section Inspection - 21/03/2022 - MH2X

Item No. 5	Insp. No. 1	Date 21/03/22	Time 7:32	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR MH2X
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village: Leeds	Inspection Direction: Downstream	Upstream Node: MH2
Road: Marsh Lane	Inspected Length: 15.07 m	Upstream Pipe Depth: 0.970 m
Location: Road	Total Length: 15.07 m	Downstream Node: MH3
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	Material: Vitrified clay	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Sample condition survey	Lining Material: No Lining	

**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	1	5.0	2.7	40.0	4.0

## Section Pictures - 21/03/2022 - MH2X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
5	Downstream	MH2X		



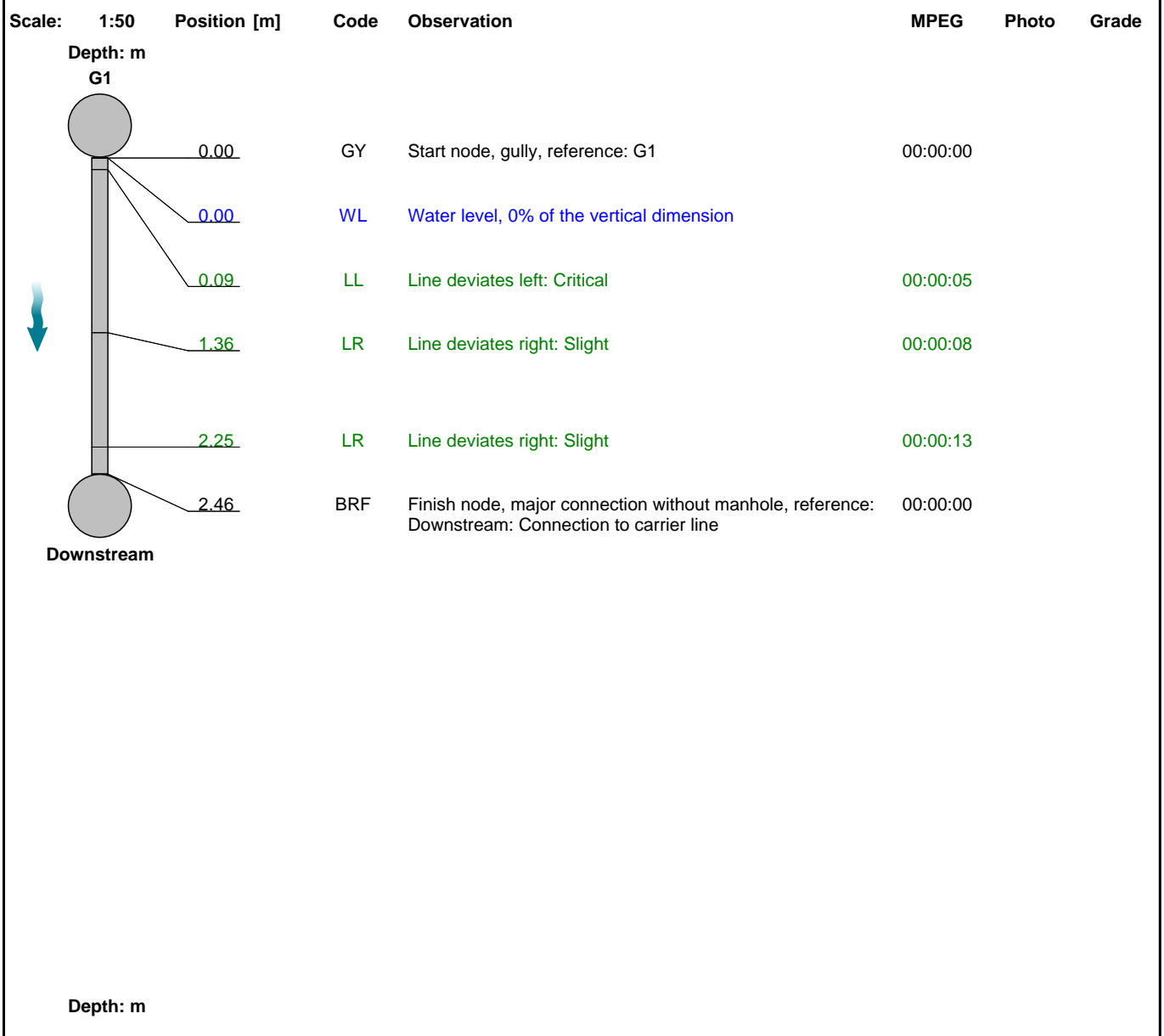
MH2X\_6ed0165d-9cb4-4e35-bfa0-d64781de6bf2\_20220325\_095911\_500.jpg, 00:00:18, 1.55 m  
Settled deposits, fine, 20% cross-sectional area loss, start

## Section Inspection - 21/03/2022 - G1X

Item No. 6	Insp. No. 1	Date 21/03/22	Time 7:32	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR G1X
Operator J Dunstan		Vehicle MF200GL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Inspection Direction: Downstream	Upstream Node: G1
Road:	Inspected Length: 2.46 m	Upstream Pipe Depth:
Location:	Total Length: 2.46 m	Downstream Node: DOWNSTREAM
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	Material: Vitrified clay	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Sample condition survey	Lining Material: No Lining	

**Comments:**  
**Recommendations:**

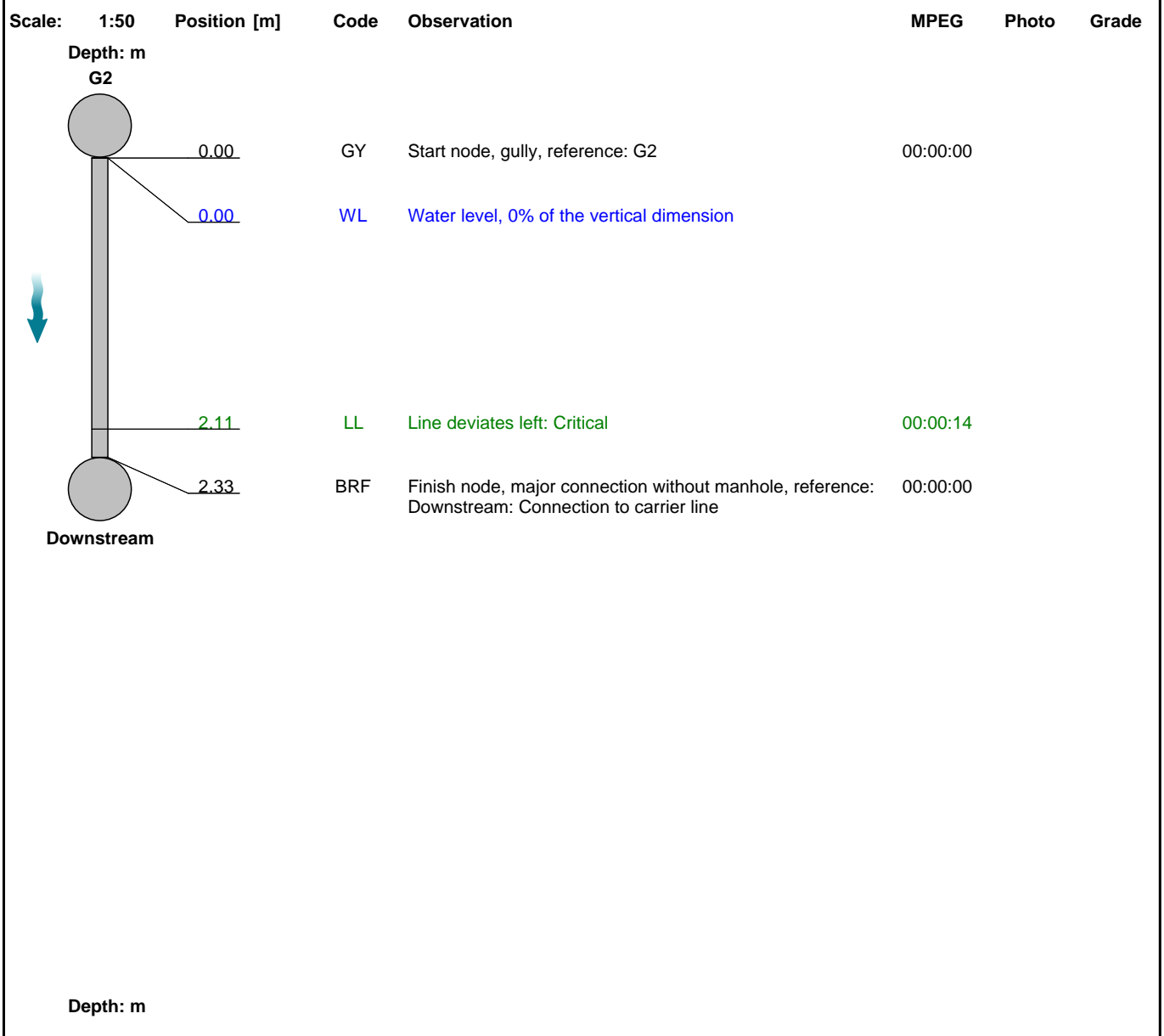


## Section Inspection - 21/03/2022 - G2X

Item No. 7	Insp. No. 1	Date 21/03/22	Time 7:32	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR G2X
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Inspection Direction: Downstream	Upstream Node: G2
Road:	Inspected Length: 2.33 m	Upstream Pipe Depth:
Location:	Total Length: 2.33 m	Downstream Node: DOWNSTREAM
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	Material: Vitrified clay	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Sample condition survey	Lining Material: No Lining	

**Comments:**  
**Recommendations:**

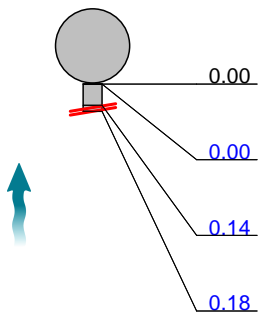


## Section Inspection - 21/03/2022 - Upstream AX

Item No. 8	Insp. No. 1	Date 21/03/22	Time 7:32	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAM AX
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Leeds	Inspection Direction:	Upstream	Upstream Node:	UPSTREAM A
Road:	Marsh Lane	Inspected Length:	0.18 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	0.18 m	Downstream Node:	MH3
Surface Type:		Joint Length:		Downstream Pipe Depth:	1.150 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 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:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade		
		Depth: 1.15 m							
		MH3							
			MH	Start node, manhole, reference: MH3	00:00:00				
		0.00	WL	Water level, 0% of the vertical dimension					
		0.14	REM	General remark: Line not in use	00:00:09	Upstream AX_35bb7 120-a2b5-			
		0.18	SA	Survey abandoned: Unable to proceed	00:00:12				
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
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0



## Section Pictures - 21/03/2022 - Upstream AX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Upstream	UPSTREAM AX		



Upstream

AX\_35bb7120-a2b5-439a-9655-40578e3a6294\_20220325\_10  
2724\_795.jpg, 00:00:09, 0.14 m  
General remark, Line not in use

## Section Inspection - 21/03/2022 - Upstream BX

Item No. 9	Insp. No. 1	Date 21/03/22	Time 7:32	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAM BX
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Inspection Direction: Upstream	Upstream Node: UPSTREAM B
Road:	Inspected Length: 0.16 m	Upstream Pipe Depth:
Location:	Total Length: 0.16 m	Downstream Node: MH3
Surface Type:	Joint Length:	Downstream Pipe Depth: 1.150 m
Use: Surface water	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 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:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade																																
<div style="display: flex; align-items: flex-start;"> <div style="margin-right: 20px;"> <p>Depth: 1.15 m</p> <p>MH3</p> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;">0.00</td> <td style="width: 15%;">MH</td> <td style="width: 40%;">Start node, manhole, reference: MH3</td> <td style="width: 10%;">00:00:00</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <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></td> <td>0.12</td> <td>REM</td> <td>General remark: Line not in use</td> <td>00:00:11</td> <td><a href="#">Upstream BX_3f2c2c</a></td> <td><a href="#">ae-c6e8-4</a></td> <td></td> </tr> <tr> <td></td> <td>0.16</td> <td>SA</td> <td>Survey abandoned: Unable to proceed</td> <td>00:00:00</td> <td></td> <td></td> <td></td> </tr> </table> </div>									0.00	MH	Start node, manhole, reference: MH3	00:00:00					0.00	WL	Water level, 0% of the vertical dimension						0.12	REM	General remark: Line not in use	00:00:11	<a href="#">Upstream BX_3f2c2c</a>	<a href="#">ae-c6e8-4</a>			0.16	SA	Survey abandoned: Unable to proceed	00:00:00			
	0.00	MH	Start node, manhole, reference: MH3	00:00:00																																			
	0.00	WL	Water level, 0% of the vertical dimension																																				
	0.12	REM	General remark: Line not in use	00:00:11	<a href="#">Upstream BX_3f2c2c</a>	<a href="#">ae-c6e8-4</a>																																	
	0.16	SA	Survey abandoned: Unable to proceed	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
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

## Section Pictures - 21/03/2022 - Upstream BX

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



Upstream

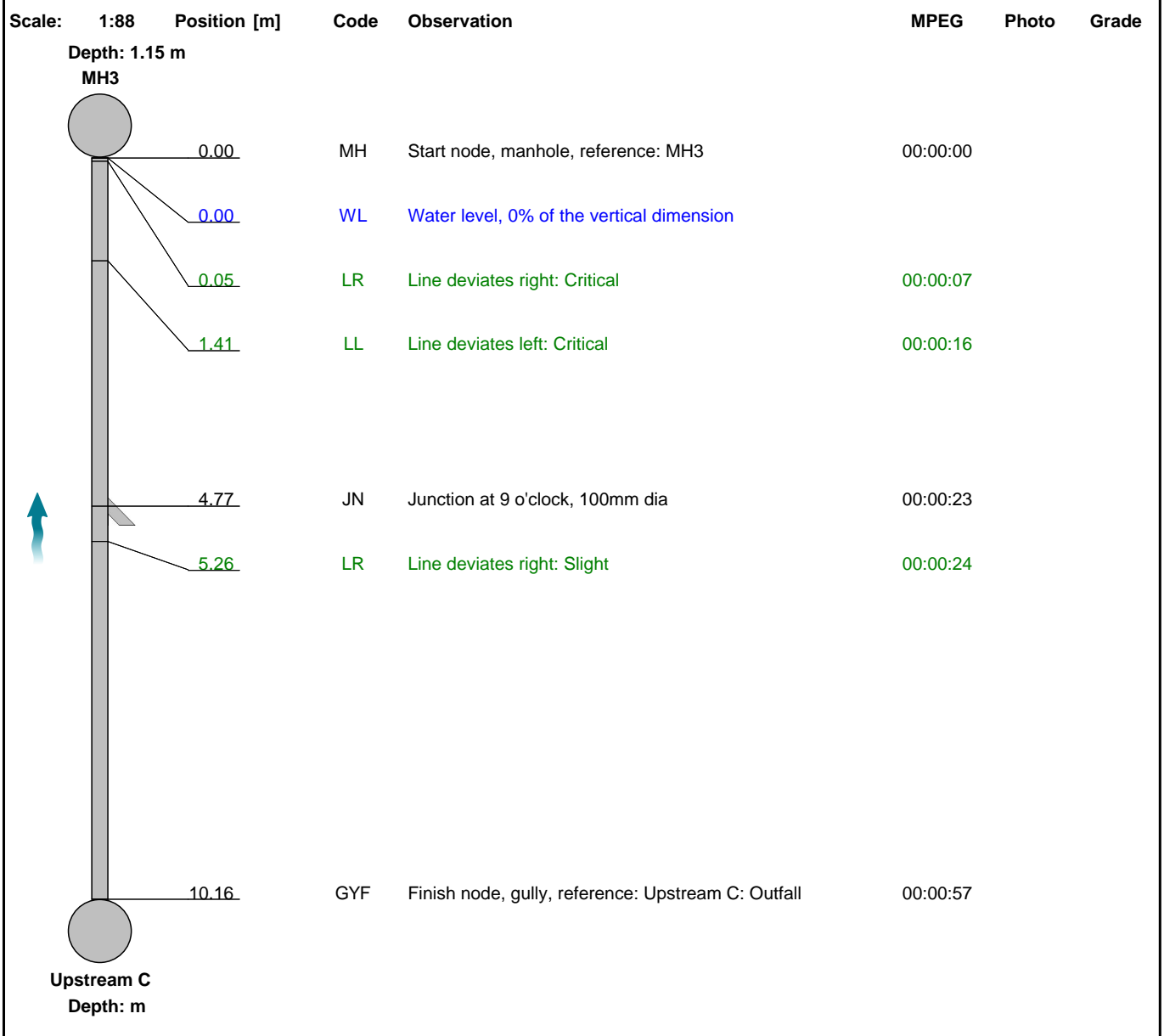
BX\_3f2c2cae-c6e8-473d-bcac-a95f9b3d4654\_20220325\_102  
921\_163.jpg, 00:00:11, 0.12 m  
General remark, Line not in use

## Section Inspection - 21/03/2022 - Upstream CX

Item No. 10	Insp. No. 1	Date 21/03/22	Time 7:32	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAM CX
Operator J Dunstan		Vehicle MF200GL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Inspection Direction: Upstream	Upstream Node: UPSTREAM C
Road:	Inspected Length: 10.16 m	Upstream Pipe Depth:
Location:	Total Length: 10.16 m	Downstream Node: MH3
Surface Type:	Joint Length:	Downstream Pipe Depth: 1.150 m
Use: Surface water	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 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:**



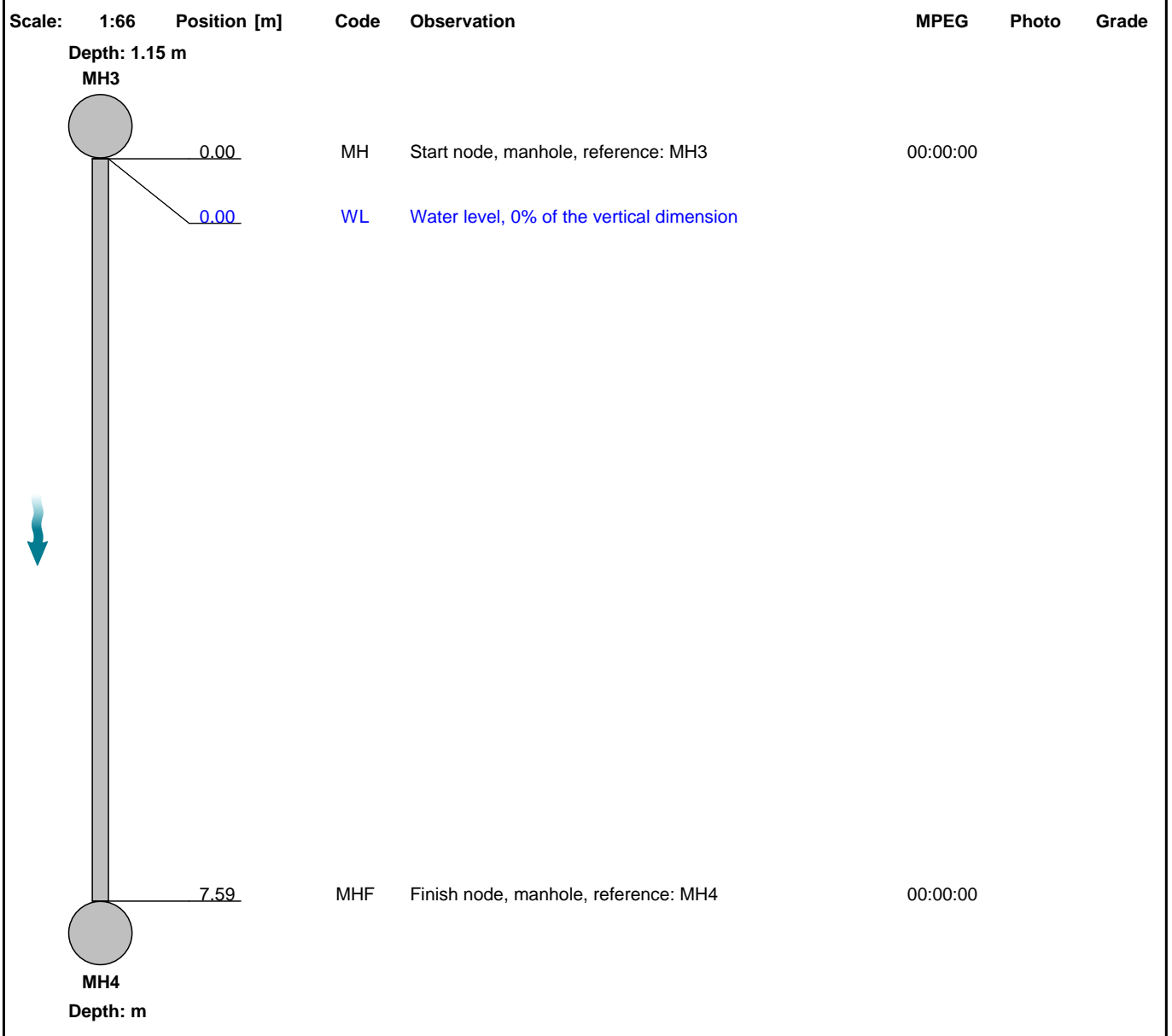
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

## Section Inspection - 21/03/2022 - MH3X

Item No. 11	Insp. No. 1	Date 21/03/22	Time 7:33	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR MH3X
Operator J Dunstan		Vehicle MF200GL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Inspection Direction: Downstream	Upstream Node: MH3
Road:	Inspected Length: 7.59 m	Upstream Pipe Depth: 1.150 m
Location:	Total Length: 7.59 m	Downstream Node: MH4
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	Material: Vitrified clay	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Sample condition survey	Lining Material: No Lining	

**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 Inspection - 21/03/2022 - Upstream AX

Item No. 12	Insp. No. 1	Date 21/03/22	Time 7:33	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAM AX
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village: Leeds	Inspection Direction: Upstream	Upstream Node: UPSTREAM A
Road: Marsh Lane	Inspected Length: 0.16 m	Upstream Pipe Depth:
Location: Road	Total Length: 0.16 m	Downstream Node: MH4
Surface Type:	Joint Length:	Downstream Pipe Depth: 1.700 m
Use: Surface water	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 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	

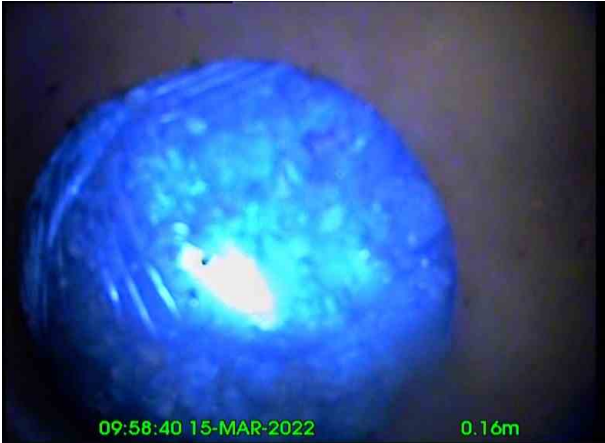
**Comments:**  
**Recommendations:**

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade																																			
<div style="display: flex; align-items: flex-start;"> <div style="margin-right: 20px;"> <p>Depth: 1.70 m</p> <p><b>MH4</b></p> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: right;">0.00</td> <td style="width: 5%;">MH</td> <td style="width: 30%;">Start node, manhole, reference: MH4</td> <td style="width: 10%;"></td> <td style="width: 15%; text-align: right;">00:00:00</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">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 style="text-align: right;">0.05</td> <td>LR</td> <td>Line deviates right: Critical</td> <td></td> <td style="text-align: right;">00:00:07</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">0.15</td> <td>REM</td> <td>General remark: Line not in use</td> <td></td> <td style="text-align: right;">00:00:11</td> <td>Upstream AX_6d2ef 415-36e3-</td> <td></td> </tr> <tr> <td style="text-align: right;">0.16</td> <td>SA</td> <td>Survey abandoned: Unable to proceed</td> <td></td> <td style="text-align: right;">00:00:00</td> <td></td> <td></td> </tr> </table> </div>								0.00	MH	Start node, manhole, reference: MH4		00:00:00			0.00	WL	Water level, 0% of the vertical dimension					0.05	LR	Line deviates right: Critical		00:00:07			0.15	REM	General remark: Line not in use		00:00:11	Upstream AX_6d2ef 415-36e3-		0.16	SA	Survey abandoned: Unable to proceed		00:00:00		
0.00	MH	Start node, manhole, reference: MH4		00:00:00																																						
0.00	WL	Water level, 0% of the vertical dimension																																								
0.05	LR	Line deviates right: Critical		00:00:07																																						
0.15	REM	General remark: Line not in use		00:00:11	Upstream AX_6d2ef 415-36e3-																																					
0.16	SA	Survey abandoned: Unable to proceed		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
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

## Section Pictures - 21/03/2022 - Upstream AX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
12	Upstream	UPSTREAM AX		



Upstream

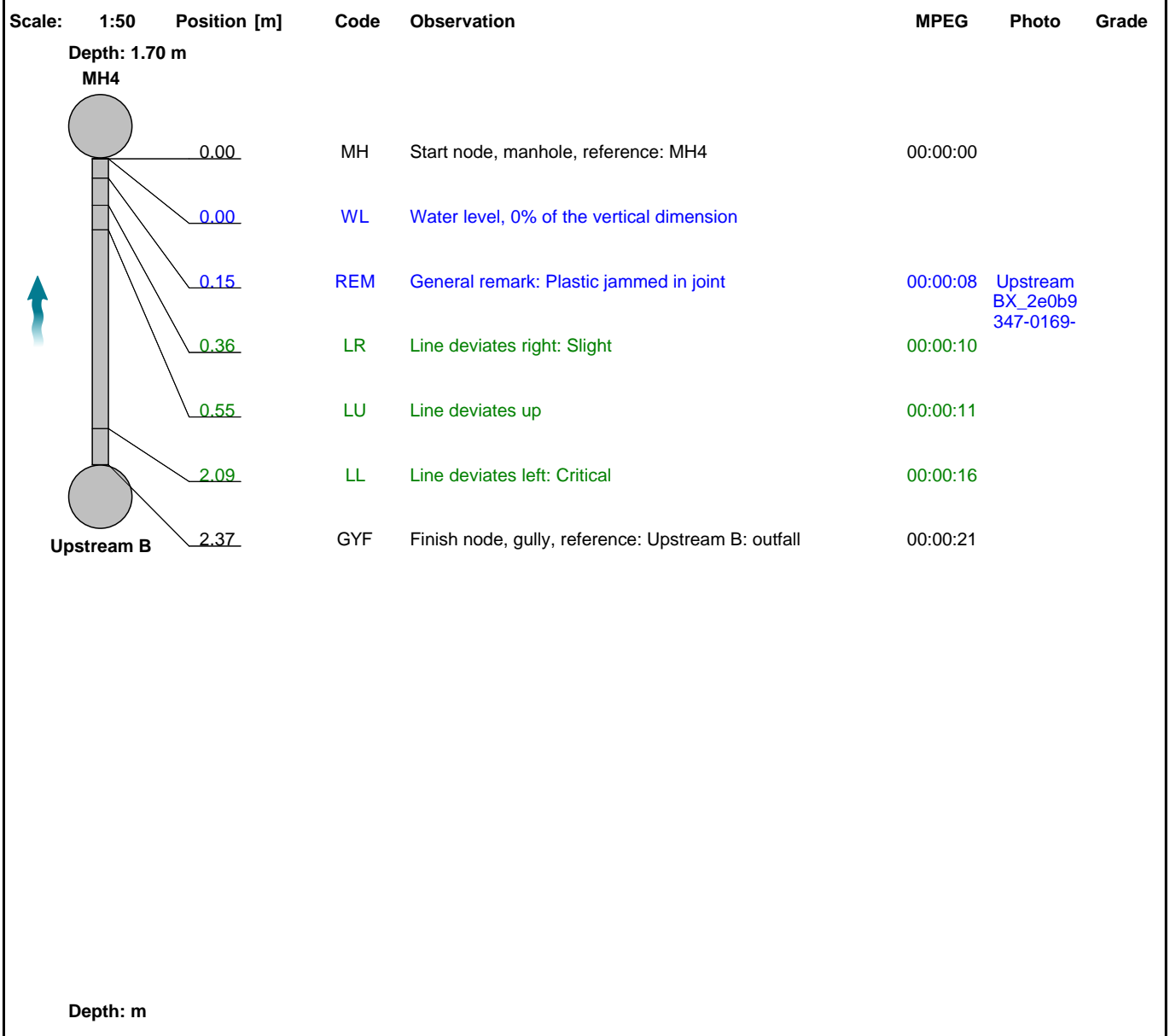
AX\_6d2ef415-36e3-403f-ab0a-113be594d2bb\_20220325\_105  
004\_908.jpg, 00:00:11, 0.15 m  
General remark, Line not in use

## Section Inspection - 21/03/2022 - Upstream BX

Item No. 13	Insp. No. 1	Date 21/03/22	Time 7:33	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAM BX
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Inspection Direction: Upstream	Upstream Node: UPSTREAM B
Road:	Inspected Length: 2.37 m	Upstream Pipe Depth:
Location:	Total Length: 2.37 m	Downstream Node: MH4
Surface Type:	Joint Length:	Downstream Pipe Depth: 1.700 m
Use: Surface water	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 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	

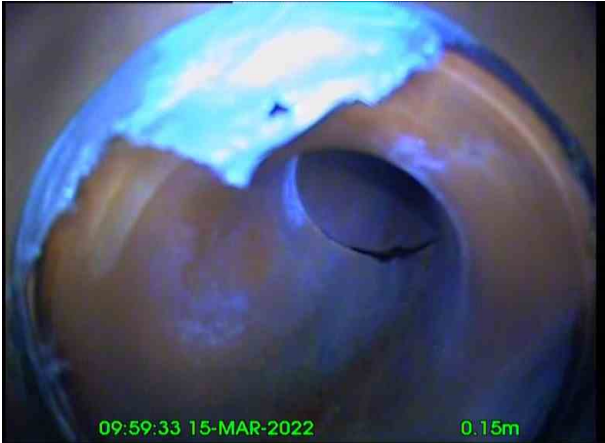
**Comments:**  
**Recommendations:**





## Section Pictures - 21/03/2022 - Upstream BX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
13	Upstream	UPSTREAM BX		



Upstream

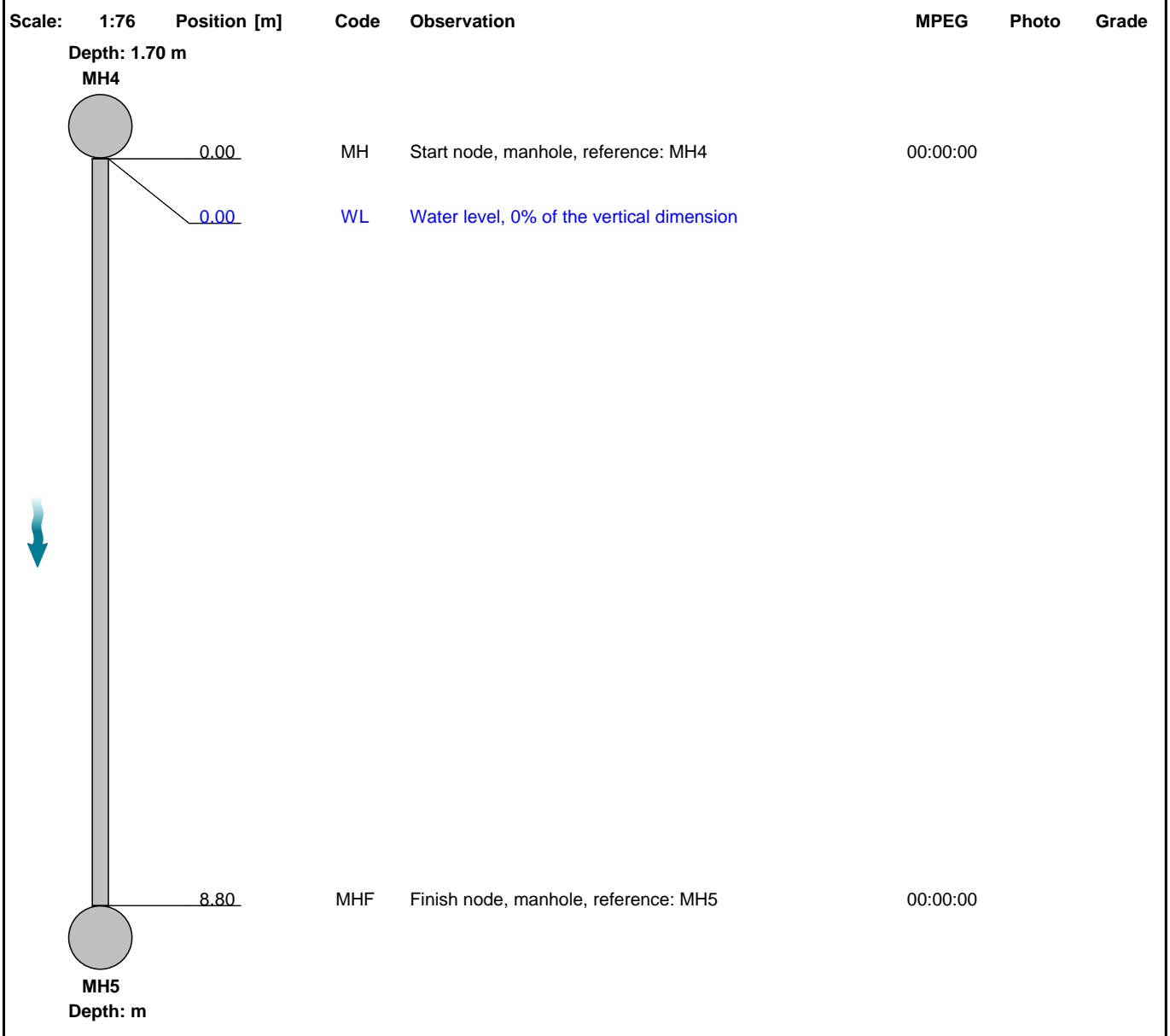
BX\_2e0b9347-0169-4ead-b68c-c013e015c66b\_20220325\_10  
5216\_084.jpg, 00:00:08, 0.15 m  
General remark, Plastic jammed in joint

## Section Inspection - 21/03/2022 - MH4X

Item No. 14	Insp. No. 1	Date 21/03/22	Time 7:33	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR MH4X
Operator J Dunstan		Vehicle MF200GL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Inspection Direction: Downstream	Upstream Node: MH4
Road:	Inspected Length: 8.80 m	Upstream Pipe Depth: 1.700 m
Location:	Total Length: 8.80 m	Downstream Node: MH5
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	Material: Vitrified clay	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Sample condition survey	Lining Material: No Lining	

**Comments:**  
**Recommendations:**



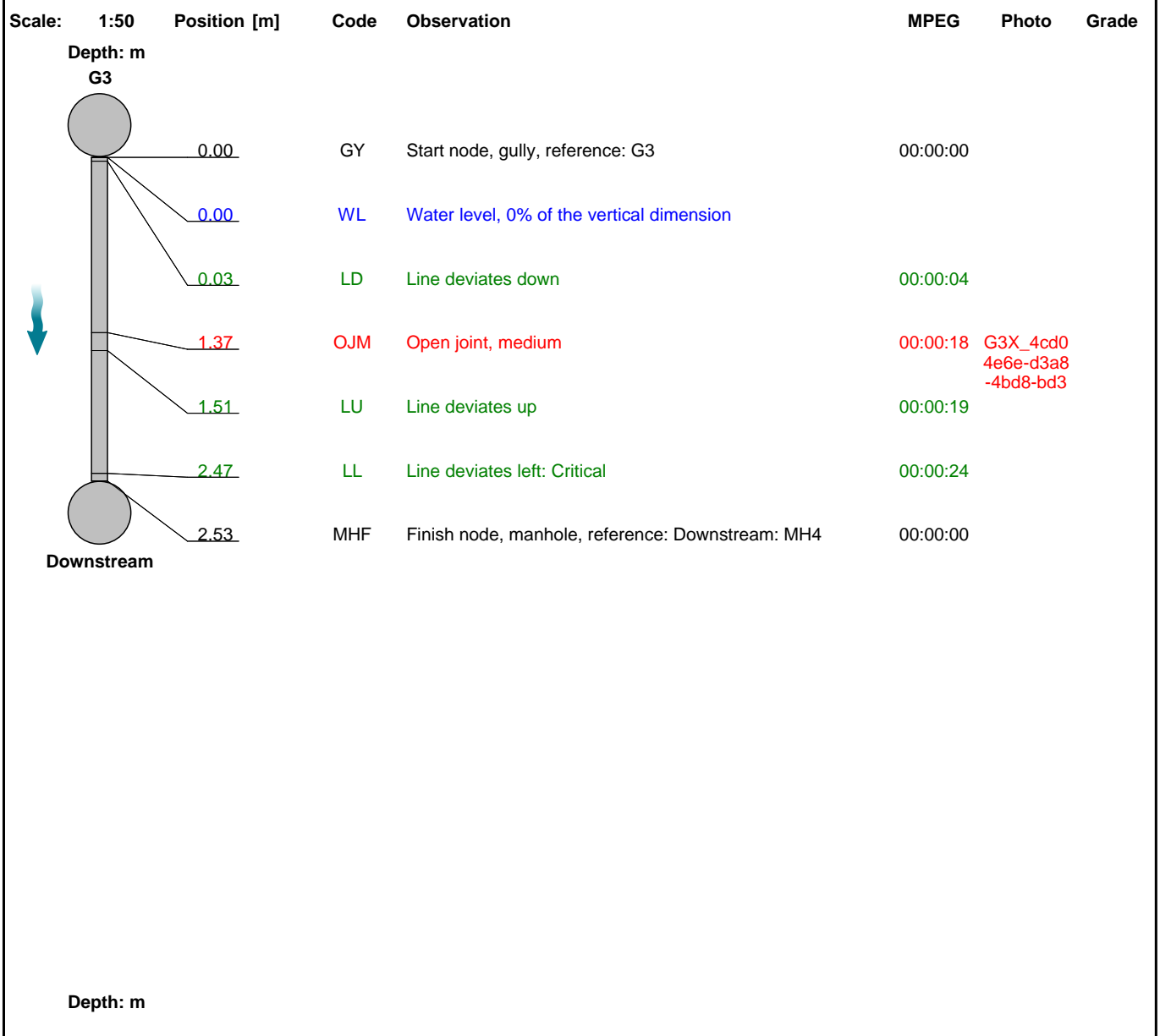
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

## Section Inspection - 21/03/2022 - G3X

Item No. 15	Insp. No. 1	Date 21/03/22	Time 7:33	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR G3X
Operator J Dunstan		Vehicle MF200GL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Leeds	Inspection Direction:	Downstream	Upstream Node:	G3
Road:	Marsh Lane	Inspected Length:	2.53 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	2.53 m	Downstream Node:	DOWNSTREAM
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	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

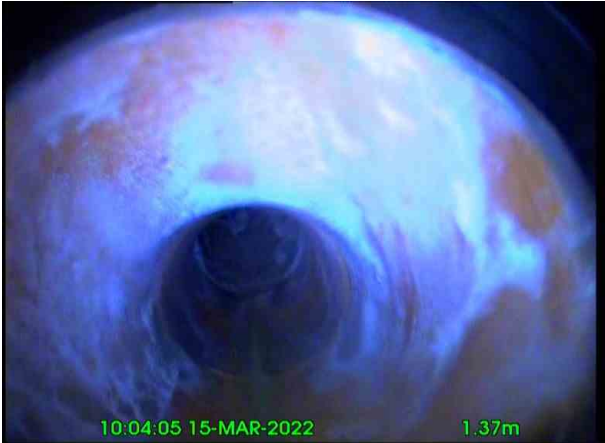
**Comments:**  
**Recommendations:**



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
1	1.0	0.4	1.0	1.0	0	0.0	0.0	0.0	1.0

## Section Pictures - 21/03/2022 - G3X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
15	Downstream	G3X		



G3X\_4cd04e6e-d3a8-4bd8-bd38-c7489fa40021\_20220325\_1  
05732\_222.jpg, 00:00:18, 1.37 m  
Open joint, medium

## Section Inspection - 21/03/2022 - Upstream AX

Item No. 16	Insp. No. 1	Date 21/03/22	Time 7:33	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAM AX
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Inspection Direction: Upstream	Upstream Node: UPSTREAM A
Road:	Inspected Length: 0.77 m	Upstream Pipe Depth:
Location:	Total Length: 0.77 m	Downstream Node: MH5
Surface Type:	Joint Length:	Downstream Pipe Depth: 2.970 m
Use: Surface water	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 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:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade																																										
<div style="display: flex; align-items: flex-start;"> <div style="margin-right: 20px;"> <p>Depth: 2.97 m</p> <p>MH5</p> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">0.00</td> <td style="width: 10%;">MH</td> <td style="width: 40%;">Start node, manhole, reference: MH5</td> <td style="width: 10%;">00:00:00</td> <td></td> <td></td> </tr> <tr> <td style="color: blue;">0.00</td> <td style="color: blue;">WL</td> <td style="color: blue;">Water level, 0% of the vertical dimension</td> <td style="color: blue;">00:00:01</td> <td></td> <td></td> </tr> <tr> <td style="color: red;">0.03</td> <td style="color: red;">OJM</td> <td style="color: red;">Open joint, medium</td> <td style="color: red;">00:00:06</td> <td style="color: red;">Upstream AX_05fa 197-0138-</td> <td></td> </tr> <tr> <td style="color: green;">0.57</td> <td style="color: green;">LU</td> <td style="color: green;">Line deviates up</td> <td style="color: green;">00:00:08</td> <td></td> <td></td> </tr> <tr> <td style="color: green;">0.64</td> <td style="color: green;">LR</td> <td style="color: green;">Line deviates right: Critical</td> <td style="color: green;">00:00:09</td> <td></td> <td></td> </tr> <tr> <td style="color: blue;">0.67</td> <td style="color: blue;">REM</td> <td style="color: blue;">General remark: Line not in use</td> <td style="color: blue;">00:00:09</td> <td style="color: blue;">Upstream AX_c552c b72-7d20-</td> <td></td> </tr> <tr> <td style="color: blue;">0.77</td> <td style="color: blue;">SA</td> <td style="color: blue;">Survey abandoned: Unable to proceed</td> <td style="color: blue;">00:00:13</td> <td></td> <td></td> </tr> </table> </div>								0.00	MH	Start node, manhole, reference: MH5	00:00:00			0.00	WL	Water level, 0% of the vertical dimension	00:00:01			0.03	OJM	Open joint, medium	00:00:06	Upstream AX_05fa 197-0138-		0.57	LU	Line deviates up	00:00:08			0.64	LR	Line deviates right: Critical	00:00:09			0.67	REM	General remark: Line not in use	00:00:09	Upstream AX_c552c b72-7d20-		0.77	SA	Survey abandoned: Unable to proceed	00:00:13		
0.00	MH	Start node, manhole, reference: MH5	00:00:00																																														
0.00	WL	Water level, 0% of the vertical dimension	00:00:01																																														
0.03	OJM	Open joint, medium	00:00:06	Upstream AX_05fa 197-0138-																																													
0.57	LU	Line deviates up	00:00:08																																														
0.64	LR	Line deviates right: Critical	00:00:09																																														
0.67	REM	General remark: Line not in use	00:00:09	Upstream AX_c552c b72-7d20-																																													
0.77	SA	Survey abandoned: Unable to proceed	00:00:13																																														

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	1.3	1.0	1.0	0	0.0	0.0	0.0	1.0

**Section Pictures - 21/03/2022 - Upstream AX**

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
16	Upstream	UPSTREAM AX		



Upstream  
AX\_05fba197-0138-4ba2-8a5e-4def130e685b\_20220325\_110  
008\_194.jpg, 00:00:06, 0.03 m  
Open joint, medium



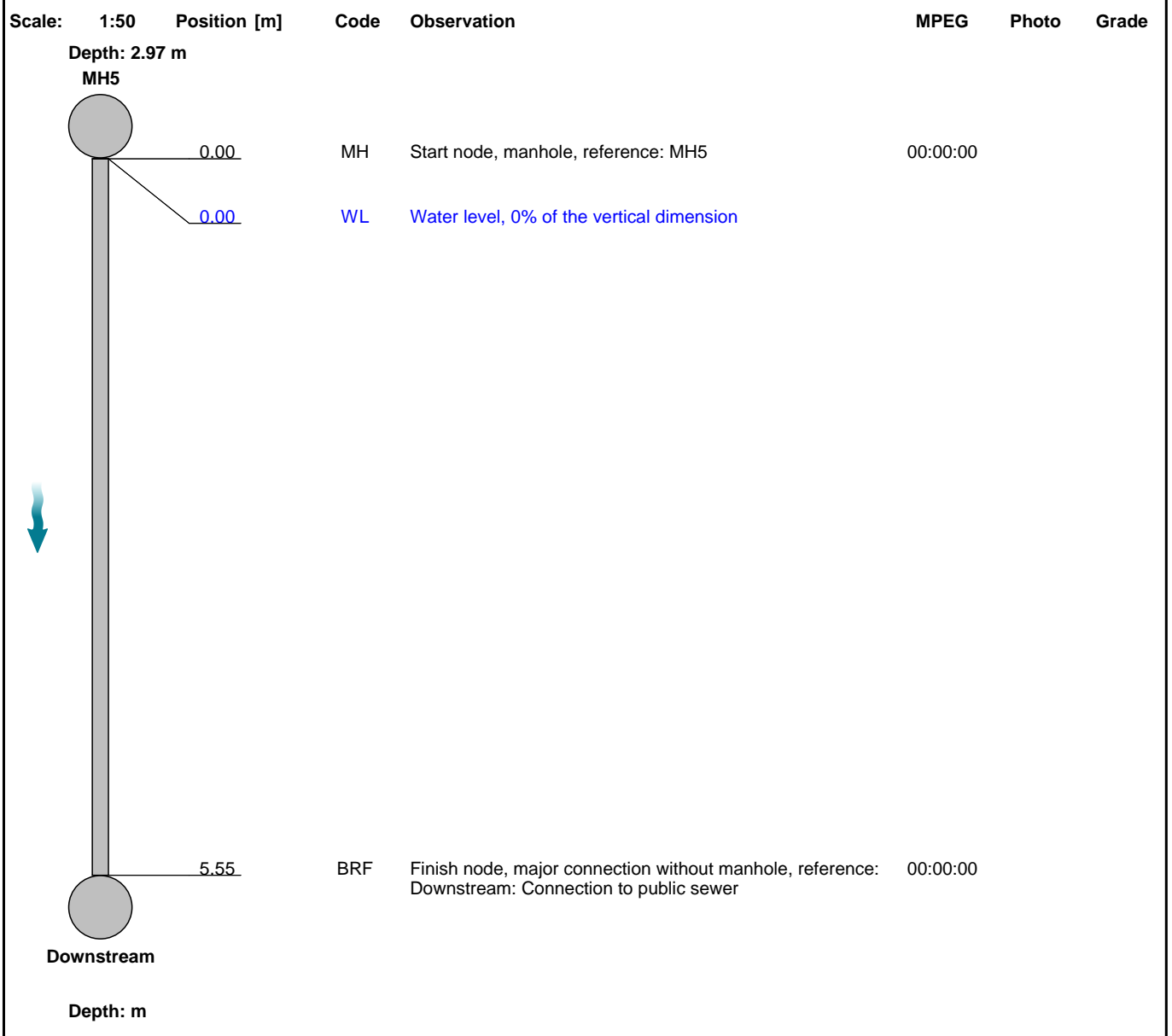
Upstream  
AX\_c552cb72-7d20-44f1-855d-86cfbdabbe33\_20220325\_110  
119\_226.jpg, 00:00:09, 0.67 m  
General remark, Line not in use

## Section Inspection - 21/03/2022 - MH5X

Item No. 17	Insp. No. 1	Date 21/03/22	Time 7:33	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR MH5X
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Inspection Direction: Downstream	Upstream Node: MH5
Road:	Inspected Length: 5.55 m	Upstream Pipe Depth: 2.970 m
Location:	Total Length: 5.55 m	Downstream Node: DOWNSTREAM
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	Material: Vitrified clay	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Sample condition survey	Lining Material: No Lining	

**Comments:**  
**Recommendations:**

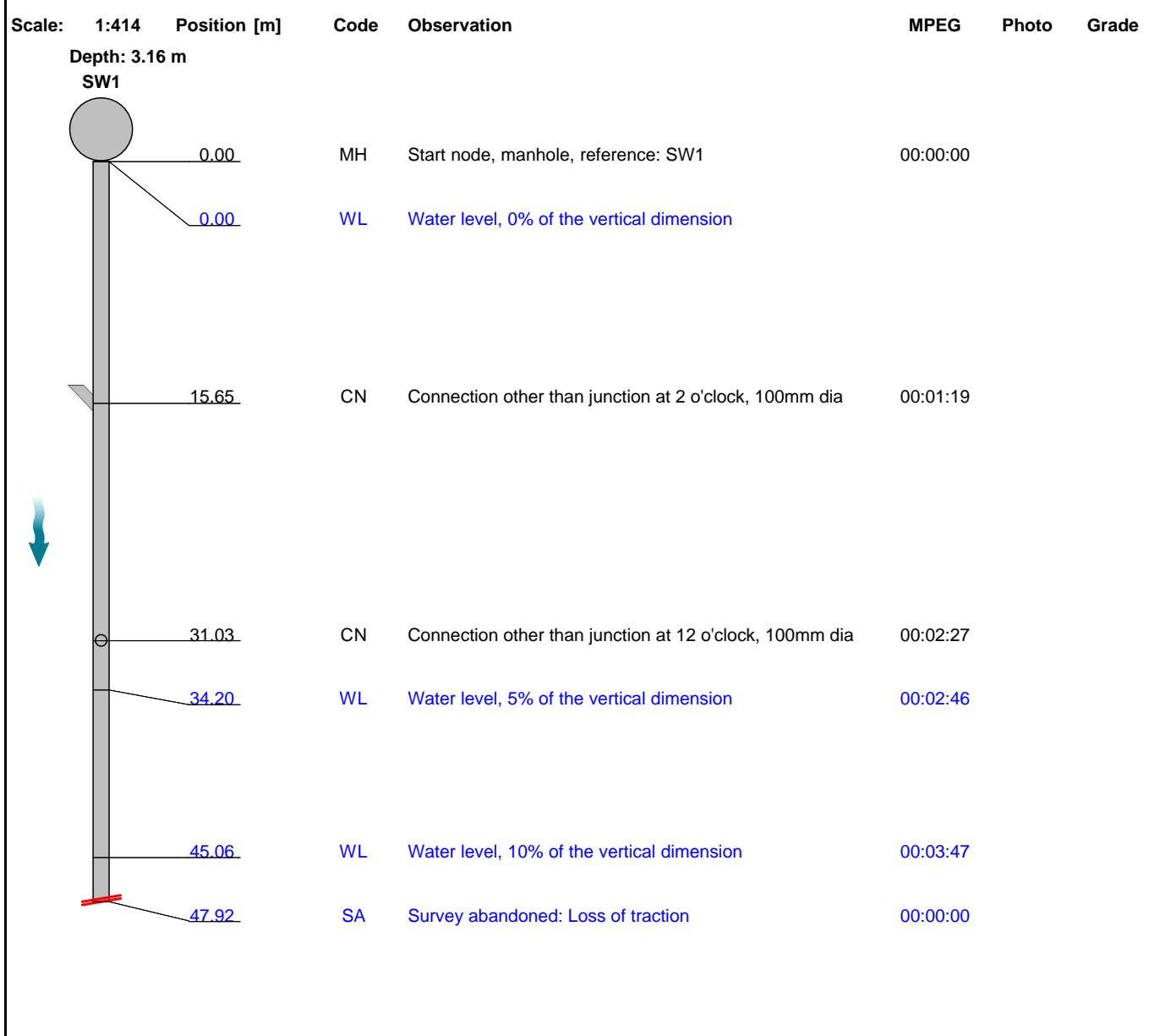


## Section Inspection - 21/03/2022 - SW1X

Item No. 18	Insp. No. 1	Date 21/03/22	Time 7:48	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR SW1X
Operator J Dunstan		Vehicle MF200GL		Camera Proteus Crawler	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Downstream	Upstream Node: SW1
Road:	Inspected Length: 47.92 m	Upstream Pipe Depth: 3.160 m
Location:	Total Length: 47.92 m	Downstream Node: DOWNSTREAM
Surface Type:	Joint Length:	Downstream Pipe Depth:
Use: Surface water	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 1,200 mm	
Flow Control: No flow control	Material: Concrete	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Sample condition survey	Lining Material: No Lining	

**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 Inspection - 21/03/2022 - UpstreamX

Item No. 19	Insp. No. 1	Date 21/03/22	Time 7:50	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAMX
Operator J Dunstan		Vehicle MF20OGL		Camera Proteus Crawler	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Upstream	Upstream Node: UPSTREAM
Road:	Inspected Length: 101.16 m	Upstream Pipe Depth:
Location:	Total Length: 101.16 m	Downstream Node: SW1
Surface Type:	Joint Length:	Downstream Pipe Depth: 3.160 m
Use: Surface water	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 1,200 mm	
Flow Control: No flow control	Material: Concrete	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Sample condition survey	Lining Material: No Lining	

**Comments:**  
**Recommendations:**

Scale: 1:873	Position [m]	Code	Observation	MPEG	Photo	Grade																																																												
<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <p>Depth: 3.16 m</p> <p>SW1</p> </div> <table border="1" style="margin-left: 10px; border-collapse: collapse;"> <tr> <td style="text-align: right;">0.00</td> <td>MH</td> <td>Start node, manhole, reference: SW1</td> <td>00:00:00</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">0.00</td> <td>WL</td> <td>Water level, 0% of the vertical dimension</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">25.42</td> <td>JDM</td> <td>Joint displaced, medium</td> <td>00:02:00</td> <td></td> <td>1 / 3</td> </tr> <tr> <td style="text-align: right;">33.63</td> <td>CN</td> <td>Connection other than junction at 2 o'clock, 100mm dia</td> <td>00:02:37</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">38.96</td> <td>CN</td> <td>Connection other than junction at 2 o'clock, 100mm dia</td> <td>00:02:59</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">57.35</td> <td>CN</td> <td>Connection other than junction at 3 o'clock, 100mm dia</td> <td>00:04:24</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">63.03</td> <td>CN</td> <td>Connection other than junction at 2 o'clock, 100mm dia</td> <td>00:04:53</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">98.76</td> <td>JDM</td> <td>Joint displaced, medium</td> <td>00:08:52</td> <td></td> <td>1 / 3</td> </tr> <tr> <td style="text-align: right;">99.18</td> <td>LU</td> <td>Line deviates up</td> <td>00:08:55</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">101.16</td> <td>MHF</td> <td>Finish node, manhole, reference: Upstream: Upstream Connection</td> <td>00:09:24</td> <td></td> <td></td> </tr> </table> </div>							0.00	MH	Start node, manhole, reference: SW1	00:00:00			0.00	WL	Water level, 0% of the vertical dimension				25.42	JDM	Joint displaced, medium	00:02:00		1 / 3	33.63	CN	Connection other than junction at 2 o'clock, 100mm dia	00:02:37			38.96	CN	Connection other than junction at 2 o'clock, 100mm dia	00:02:59			57.35	CN	Connection other than junction at 3 o'clock, 100mm dia	00:04:24			63.03	CN	Connection other than junction at 2 o'clock, 100mm dia	00:04:53			98.76	JDM	Joint displaced, medium	00:08:52		1 / 3	99.18	LU	Line deviates up	00:08:55			101.16	MHF	Finish node, manhole, reference: Upstream: Upstream Connection	00:09:24		
0.00	MH	Start node, manhole, reference: SW1	00:00:00																																																															
0.00	WL	Water level, 0% of the vertical dimension																																																																
25.42	JDM	Joint displaced, medium	00:02:00		1 / 3																																																													
33.63	CN	Connection other than junction at 2 o'clock, 100mm dia	00:02:37																																																															
38.96	CN	Connection other than junction at 2 o'clock, 100mm dia	00:02:59																																																															
57.35	CN	Connection other than junction at 3 o'clock, 100mm dia	00:04:24																																																															
63.03	CN	Connection other than junction at 2 o'clock, 100mm dia	00:04:53																																																															
98.76	JDM	Joint displaced, medium	00:08:52		1 / 3																																																													
99.18	LU	Line deviates up	00:08:55																																																															
101.16	MHF	Finish node, manhole, reference: Upstream: Upstream Connection	00:09:24																																																															

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	0.0	2.0	1.0	2	2.0	0.0	4.0	3.0

## Section Inspection - 21/03/2022 - FW1X

Item No. 20	Insp. No. 1	Date 21/03/22	Time 7:53	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR FW1X
Operator J Dunstan		Vehicle MF20OGL		Camera Proteus Crawler	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Downstream	Upstream Node: FW1
Road:	Inspected Length: 29.54 m	Upstream Pipe Depth: 3.660 m
Location:	Total Length: 29.54 m	Downstream Node: FW2
Surface Type:	Joint Length:	Downstream Pipe Depth:
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 700 mm	
Flow Control: No flow control	Material: Brick	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Sample condition survey	Lining Material: No Lining	


**Comments:**  
**Recommendations:**


Scale: 1:255	Position [m]	Code	Observation	MPEG	Photo	Grade
<b>Depth: 3.66 m</b>						
<b>FW1</b>						
	0.00	MH	Start node, manhole, reference: FW1	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	0.63	S01	DES Settled deposits, fine, 10% cross-sectional area loss, start	00:00:13	FW1X_a8 70c394-b1 ae-4fb1-92	
	7.71	JN	Junction at 9 o'clock, 700mm dia: Not in use	00:02:43		
	8.09	JN	Junction at 3 o'clock, 700mm dia: Not in use	00:03:00		
	8.46	REM	General remark: Disused chamber	00:03:57		
	11.11	CN	Connection other than junction at 9 o'clock, 150mm dia: Live	00:04:18		
	11.81	F01	DES Settled deposits, fine, 10% cross-sectional area loss, finish	00:04:26		
	12.54	JN	Junction at 9 o'clock, 100mm dia	00:04:35		
	16.83	DES	Settled deposits, fine, 10% cross-sectional area loss	00:05:20	FW1X_e6 eae0cb-a7 08-4923-b	
	19.30	JN	Junction at 9 o'clock, 225mm dia: Live	00:05:40		
	19.94	CN	Connection other than junction at 10 o'clock, 150mm dia	00:05:57		
	26.89	S02	DES Settled deposits, fine, 10% cross-sectional area loss, start	00:06:33	FW1X_69f 4a7af-3fb3 -41be-b89	
	26.89	CN	Connection other than junction at 9 o'clock, 100mm dia	00:06:34		
	29.46	SA	Survey abandoned: Unable to proceed	00:05:40		

## Section Inspection - 21/03/2022 - FW1X

Item No. 20	Insp. No. 1	Date 21/03/22	Time 7:53	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR FW1X
Operator J Dunstan		Vehicle MF20OGL		Camera Proteus Crawler	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Scale:	1:255	Position [m]	Code	Observation	MPEG	Photo	Grade
		29.54	F02	DES	Settled deposits, fine, 10% cross-sectional area loss, finish	00:06:33	
		29.54		End of pipe			





Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	3	2.0	1.1	32.0	3.0

**Section Pictures - 21/03/2022 - FW1X**

Item No. 20	Inspection Direction Downstream	PLR FW1X	Client's Job Ref	Contractor's Job Ref
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FW1X\_a870c394-b1ae-4fb1-9286-213b03305d5b\_20220325\_113153\_900.jpg, 00:00:13, 0.63 m  
Settled deposits, fine, 10% cross-sectional area loss, start



FW1X\_e6eae0cb-a708-4923-b384-21f7473d81db\_20220325\_113926\_689.jpg, 00:05:20, 16.83 m  
Settled deposits, fine, 10% cross-sectional area loss



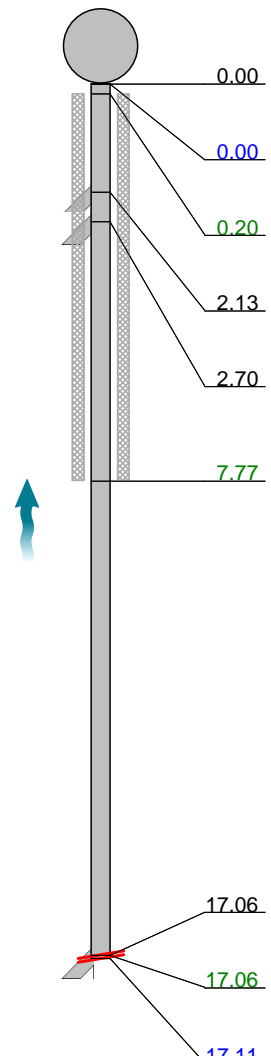
FW1X\_69f4a7af-3fb3-41be-b891-e3a4ea12a504\_20220325\_114750\_905.jpg, 00:06:33, 26.89 m  
Settled deposits, fine, 10% cross-sectional area loss, start

## Section Inspection - 21/03/2022 - Upstream AX

Item No. 21	Insp. No. 1	Date 21/03/22	Time 7:53	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAM AX
Operator J Dunstan		Vehicle MF20OGL		Camera Proteus Crawler	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Upstream	Upstream Node: UPSTREAM A
Road:	Inspected Length: 17.11 m	Upstream Pipe Depth:
Location:	Total Length: 17.11 m	Downstream Node: FW1
Surface Type:	Joint Length:	Downstream Pipe Depth: 3.660 m
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 225 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: 1:148	Position [m]	Code	Observation	MPEG	Photo	Grade																																																															
<div style="display: flex; align-items: flex-start;"> <div style="flex: 1;"> <p>Depth: 3.66 m FW1</p>  </div> <table border="1" style="margin-left: 10px; border-collapse: collapse;"> <tr> <td style="width: 10%;">0.00</td> <td style="width: 5%;">MH</td> <td style="width: 5%;">Start node, manhole, reference: FW1</td> <td style="width: 10%;">00:00:00</td> <td colspan="3"></td> </tr> <tr> <td style="color: blue;">0.00</td> <td style="color: blue;">WL</td> <td style="color: blue;">Water level, 0% of the vertical dimension</td> <td></td> <td colspan="3"></td> </tr> <tr> <td style="color: green;">0.20</td> <td style="color: green;">S01</td> <td style="color: green;">DES Settled deposits, fine, 10% cross-sectional area loss, start</td> <td style="color: green;">00:00:06</td> <td style="color: green;">Upstream</td> <td style="color: green;">AX_2c24e</td> <td style="color: green;">93e-4de1-</td> </tr> <tr> <td style="color: grey;">2.13</td> <td style="color: grey;">CN</td> <td style="color: grey;">Connection other than junction at 2 o'clock, 150mm dia</td> <td style="color: grey;">00:00:11</td> <td colspan="3"></td> </tr> <tr> <td style="color: grey;">2.70</td> <td style="color: grey;">JN</td> <td style="color: grey;">Junction at 2 o'clock, 150mm dia</td> <td style="color: grey;">00:00:13</td> <td colspan="3"></td> </tr> <tr> <td style="color: green;">7.77</td> <td style="color: green;">F01</td> <td style="color: green;">DES Settled deposits, fine, 10% cross-sectional area loss, finish</td> <td style="color: green;">00:00:19</td> <td colspan="3"></td> </tr> <tr> <td style="color: grey;">17.06</td> <td style="color: grey;">CN</td> <td style="color: grey;">Connection other than junction at 2 o'clock, 150mm dia</td> <td style="color: grey;">00:00:36</td> <td colspan="3"></td> </tr> <tr> <td style="color: green;">17.06</td> <td style="color: green;">DEC</td> <td style="color: green;">Settled deposits, hard or compacted, 20% cross-sectional area loss</td> <td style="color: green;">00:00:37</td> <td style="color: green;">Upstream</td> <td style="color: green;">AX_8812d</td> <td style="color: green;">512-7283-</td> </tr> <tr> <td style="color: blue;">17.11</td> <td style="color: blue;">SA</td> <td style="color: blue;">Survey abandoned: Unable to proceed</td> <td style="color: blue;">00:00:00</td> <td colspan="3"></td> </tr> </table> </div>							0.00	MH	Start node, manhole, reference: FW1	00:00:00				0.00	WL	Water level, 0% of the vertical dimension					0.20	S01	DES Settled deposits, fine, 10% cross-sectional area loss, start	00:00:06	Upstream	AX_2c24e	93e-4de1-	2.13	CN	Connection other than junction at 2 o'clock, 150mm dia	00:00:11				2.70	JN	Junction at 2 o'clock, 150mm dia	00:00:13				7.77	F01	DES Settled deposits, fine, 10% cross-sectional area loss, finish	00:00:19				17.06	CN	Connection other than junction at 2 o'clock, 150mm dia	00:00:36				17.06	DEC	Settled deposits, hard or compacted, 20% cross-sectional area loss	00:00:37	Upstream	AX_8812d	512-7283-	17.11	SA	Survey abandoned: Unable to proceed	00:00:00			
0.00	MH	Start node, manhole, reference: FW1	00:00:00																																																																		
0.00	WL	Water level, 0% of the vertical dimension																																																																			
0.20	S01	DES Settled deposits, fine, 10% cross-sectional area loss, start	00:00:06	Upstream	AX_2c24e	93e-4de1-																																																															
2.13	CN	Connection other than junction at 2 o'clock, 150mm dia	00:00:11																																																																		
2.70	JN	Junction at 2 o'clock, 150mm dia	00:00:13																																																																		
7.77	F01	DES Settled deposits, fine, 10% cross-sectional area loss, finish	00:00:19																																																																		
17.06	CN	Connection other than junction at 2 o'clock, 150mm dia	00:00:36																																																																		
17.06	DEC	Settled deposits, hard or compacted, 20% cross-sectional area loss	00:00:37	Upstream	AX_8812d	512-7283-																																																															
17.11	SA	Survey abandoned: Unable to proceed	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
0	0.0	0.0	0.0	1.0	2	5.0	1.2	21.0	4.0

**Section Pictures - 21/03/2022 - Upstream AX**

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
21	Upstream	UPSTREAM AX		



Upstream  
AX\_2c24e93e-4de1-43ce-b970-b5e972d89093\_20220325\_144410\_439.jpg, 00:00:06, 0.20 m  
Settled deposits, fine, 10% cross-sectional area loss, start



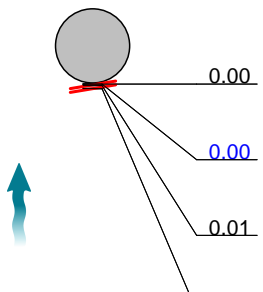
Upstream  
AX\_8812d512-7283-4989-b0ff-8ae268397e0a\_20220325\_144603\_711.jpg, 00:00:37, 17.06 m  
Settled deposits, hard or compacted, 20% cross-sectional area loss

## Section Inspection - 21/03/2022 - UpstreamX

Item No. 22	Insp. No. 1	Date 21/03/22	Time 7:53	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAMX
Operator J Dunstan		Vehicle MF20OGL		Camera Proteus Crawler	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Upstream	Upstream Node: UPSTREAM
Road:	Inspected Length: 0.03 m	Upstream Pipe Depth:
Location:	Total Length: 0.03 m	Downstream Node: FW2
Surface Type:	Joint Length:	Downstream Pipe Depth: 3.070 m
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 225 mm	
Flow Control: No flow control	Material: Brick	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Sample condition survey	Lining Material: No Lining	

**Comments:**  
**Recommendations:**

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade																
<div style="display: flex; align-items: flex-start;"> <div style="margin-right: 20px;"> <p>Depth: 3.07 m</p> <p>FW2</p>  </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: right;">0.00</td> <td style="width: 10%;">MH</td> <td style="width: 40%;">Start node, manhole, reference: FW2</td> <td style="width: 10%;">00:00:00</td> </tr> <tr> <td style="text-align: right; color: blue;">0.00</td> <td style="color: blue;">WL</td> <td style="color: blue;">Water level, 0% of the vertical dimension</td> <td></td> </tr> <tr> <td style="text-align: right;">0.01</td> <td>SC</td> <td>Pipe size changes, new size(s), 700mm high</td> <td>00:00:00</td> </tr> <tr> <td style="text-align: right; color: blue;">0.03</td> <td style="color: blue;">SA</td> <td style="color: blue;">Survey abandoned: Unable to proceed</td> <td style="color: blue;">00:00:00</td> </tr> </table> </div>								0.00	MH	Start node, manhole, reference: FW2	00:00:00	0.00	WL	Water level, 0% of the vertical dimension		0.01	SC	Pipe size changes, new size(s), 700mm high	00:00:00	0.03	SA	Survey abandoned: Unable to proceed	00:00:00
0.00	MH	Start node, manhole, reference: FW2	00:00:00																				
0.00	WL	Water level, 0% of the vertical dimension																					
0.01	SC	Pipe size changes, new size(s), 700mm high	00:00:00																				
0.03	SA	Survey abandoned: Unable to proceed	00:00:00																				

### 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

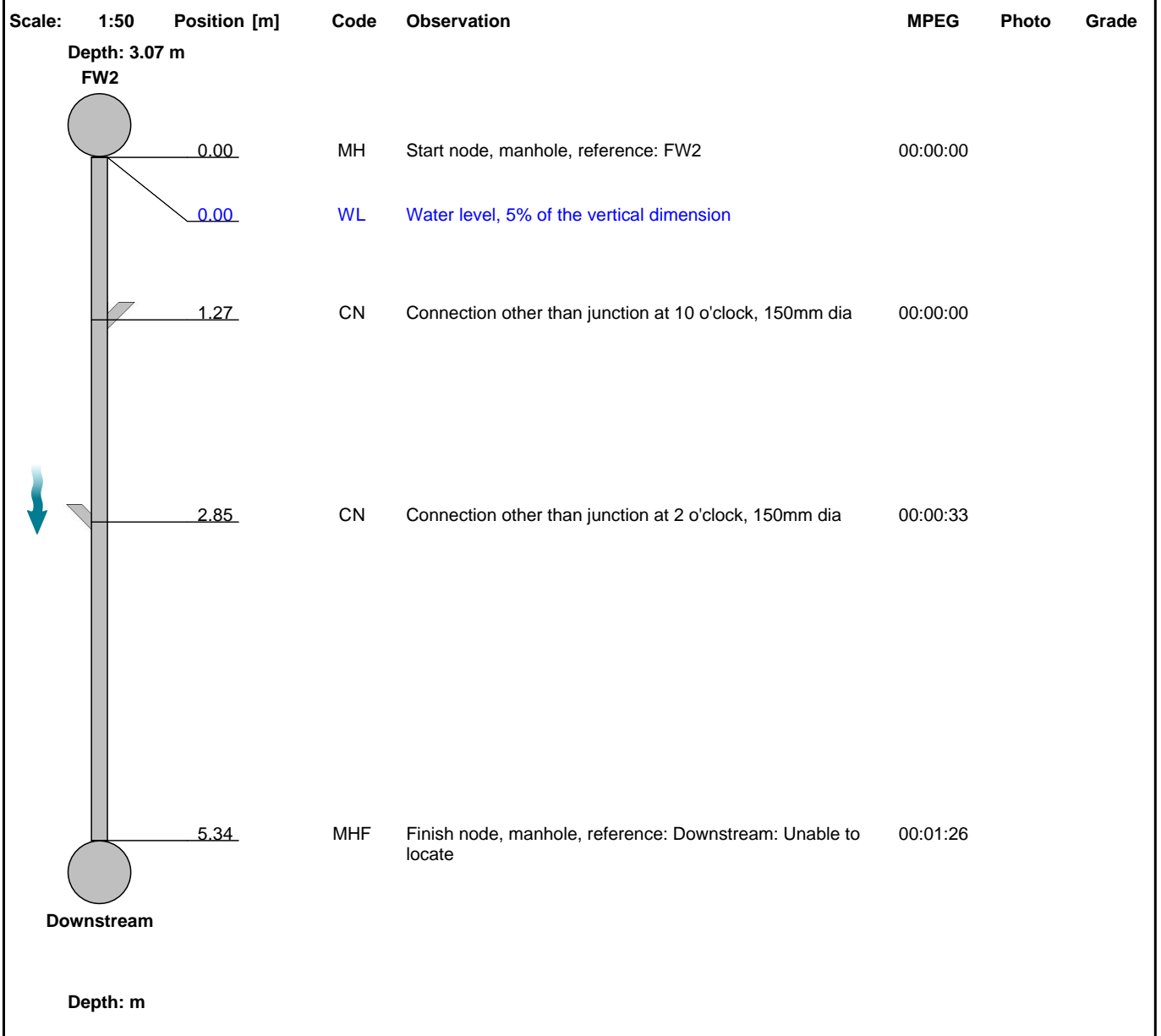


## Section Inspection - 21/03/2022 - FW2X

Item No. 23	Insp. No. 1	Date 21/03/22	Time 7:53	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR FW2X
Operator J Dunstan		Vehicle MF200GL		Camera Proteus Crawler	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Downstream	Upstream Node: FW2
Road:	Inspected Length: 5.34 m	Upstream Pipe Depth: 3.070 m
Location:	Total Length: 5.34 m	Downstream Node: DOWNSTREAM
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	Material: Vitrified clay	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Sample condition survey	Lining Material: No Lining	

**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

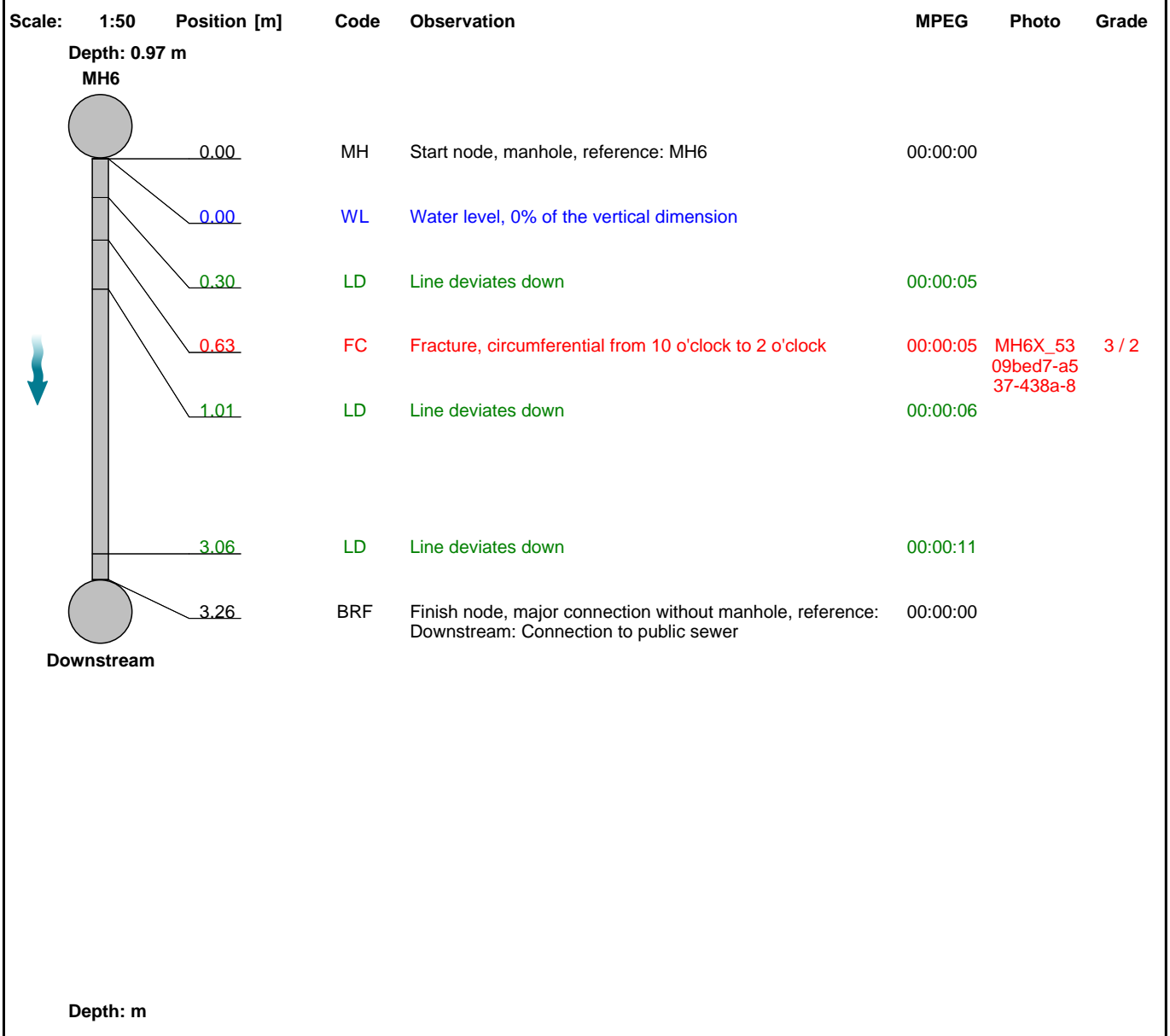


## Section Inspection - 21/03/2022 - MH6X

Item No. 24	Insp. No. 1	Date 21/03/22	Time 7:53	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR MH6X
Operator J Dunstan		Vehicle MF200GL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Downstream	Upstream Node: MH6	Road:	Inspected Length: 3.26 m	Upstream Pipe Depth: 0.970 m
Location:	Total Length: 3.26 m	Downstream Node: DOWNSTREAM	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	Material: Vitrified clay
Year Constructed: Not Specified	Lining Type: No Lining	Inspection Purpose: Sample condition survey	Lining Material: No Lining		

**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
1	40.0	13.1	40.0	3.0	1	1.0	0.3	1.0	2.0

## Section Pictures - 21/03/2022 - MH6X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
24	Downstream	MH6X		



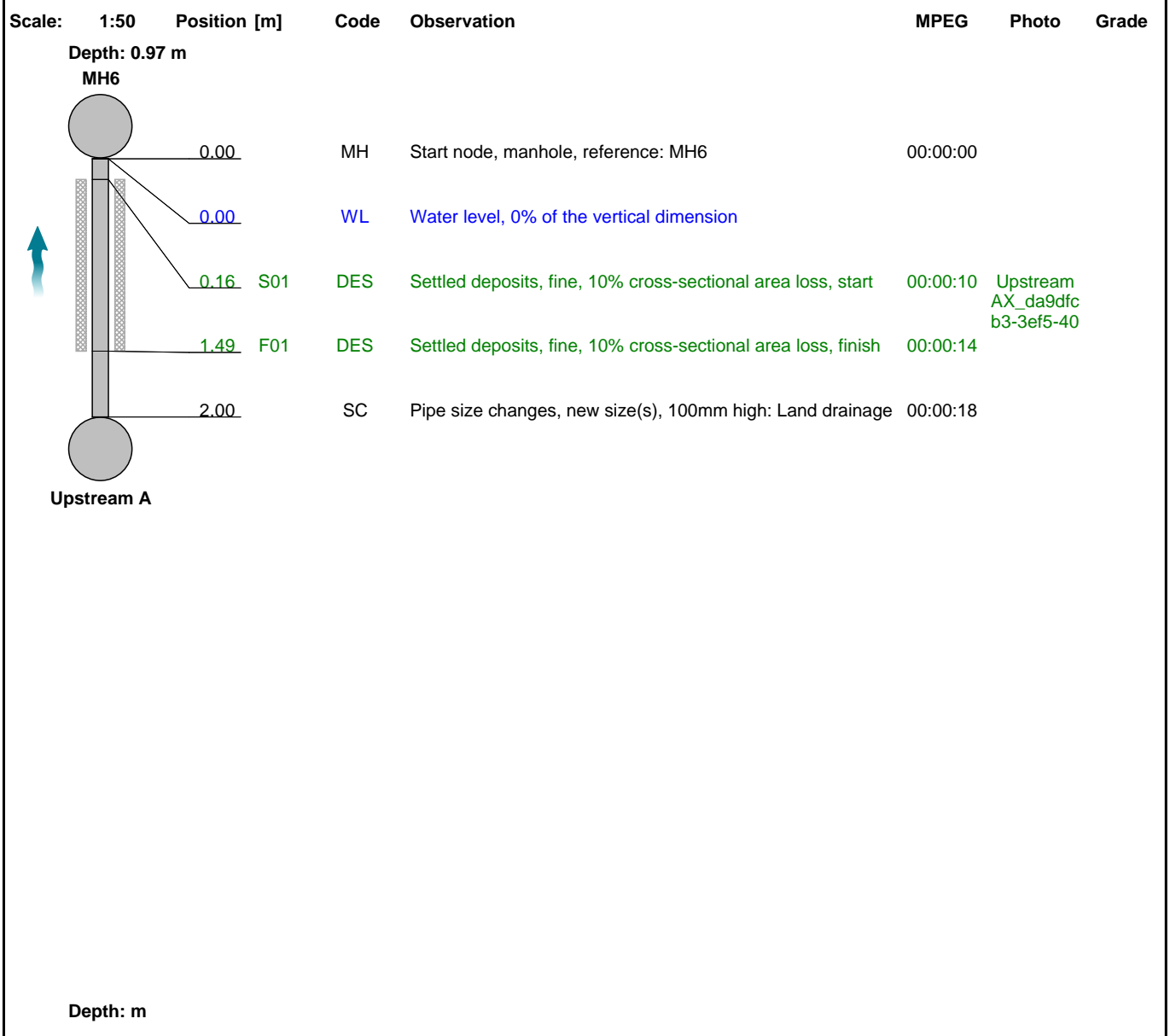
MH6X\_5309bed7-a537-438a-8c0b-1f0c109ae0b2\_20220325\_153220\_137.jpg, 00:00:05, 0.63 m  
Fracture, circumferential from 10 o'clock to 2 o'clock

## Section Inspection - 21/03/2022 - Upstream AX

Item No. 25	Insp. No. 1	Date 21/03/22	Time 7:54	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAM AX
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Upstream	Upstream Node: UPSTREAM A
Road:	Inspected Length: 2.00 m	Upstream Pipe Depth:
Location:	Total Length: 2.00 m	Downstream Node: MH6
Surface Type:	Joint Length:	Downstream Pipe Depth: 0.970 m
Use: Surface water	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:**



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	0.0	0	0.0	0.0	0.0	0.0

## Section Pictures - 21/03/2022 - Upstream AX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
25	Upstream	UPSTREAM AX		



Upstream

AX\_da9dfcb3-3ef5-4006-b752-22361b596e26\_20220325\_153  
449\_367.jpg, 00:00:10, 0.16 m

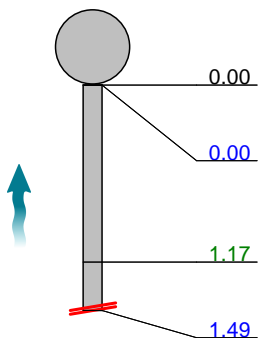
Settled deposits, fine, 10% cross-sectional area loss, start

## Section Inspection - 21/03/2022 - Upstream BX

Item No. 26	Insp. No. 1	Date 21/03/22	Time 7:54	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAM BX
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Upstream	Upstream Node: UPSTREAM B
Road:	Inspected Length: 1.49 m	Upstream Pipe Depth:
Location:	Total Length: 1.49 m	Downstream Node: MH6
Surface Type:	Joint Length:	Downstream Pipe Depth: 0.970 m
Use: Surface water	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 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:**

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade																
<div style="display: flex; align-items: flex-start;"> <div style="margin-right: 20px;"> <p>Depth: 0.97 m</p> <p>MH6</p>  </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">0.00</td> <td style="width: 5%;">MH</td> <td style="width: 30%;">Start node, manhole, reference: MH6</td> <td style="width: 10%;">00:00:00</td> </tr> <tr> <td style="color: blue;">0.00</td> <td style="color: blue;">WL</td> <td style="color: blue;">Water level, 0% of the vertical dimension</td> <td></td> </tr> <tr> <td style="color: green;">1.17</td> <td style="color: green;">LL</td> <td style="color: green;">Line deviates left: Slight</td> <td style="color: green;">00:00:08</td> </tr> <tr> <td style="color: blue;">1.49</td> <td style="color: blue;">SA</td> <td style="color: blue;">Survey abandoned: Unable to proceed</td> <td style="color: blue;">00:00:00</td> </tr> </table> </div>								0.00	MH	Start node, manhole, reference: MH6	00:00:00	0.00	WL	Water level, 0% of the vertical dimension		1.17	LL	Line deviates left: Slight	00:00:08	1.49	SA	Survey abandoned: Unable to proceed	00:00:00
0.00	MH	Start node, manhole, reference: MH6	00:00:00																				
0.00	WL	Water level, 0% of the vertical dimension																					
1.17	LL	Line deviates left: Slight	00:00:08																				
1.49	SA	Survey abandoned: Unable to proceed	00:00:00																				

### Construction Features

#### Structural Defects

### Miscellaneous Features

#### Service & Operational Observations

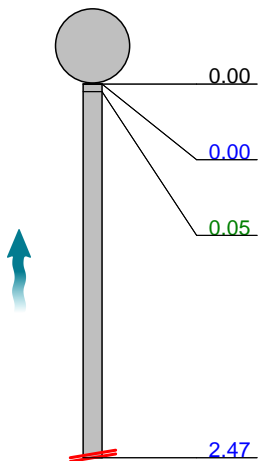
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

## Section Inspection - 21/03/2022 - Upstream CX

Item No. 27	Insp. No. 1	Date 21/03/22	Time 7:54	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAM CX
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Upstream	Upstream Node: UPSTREAM C
Road:	Inspected Length: 2.47 m	Upstream Pipe Depth:
Location:	Total Length: 2.47 m	Downstream Node: MH6
Surface Type:	Joint Length:	Downstream Pipe Depth: 0.970 m
Use: Surface water	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 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:**

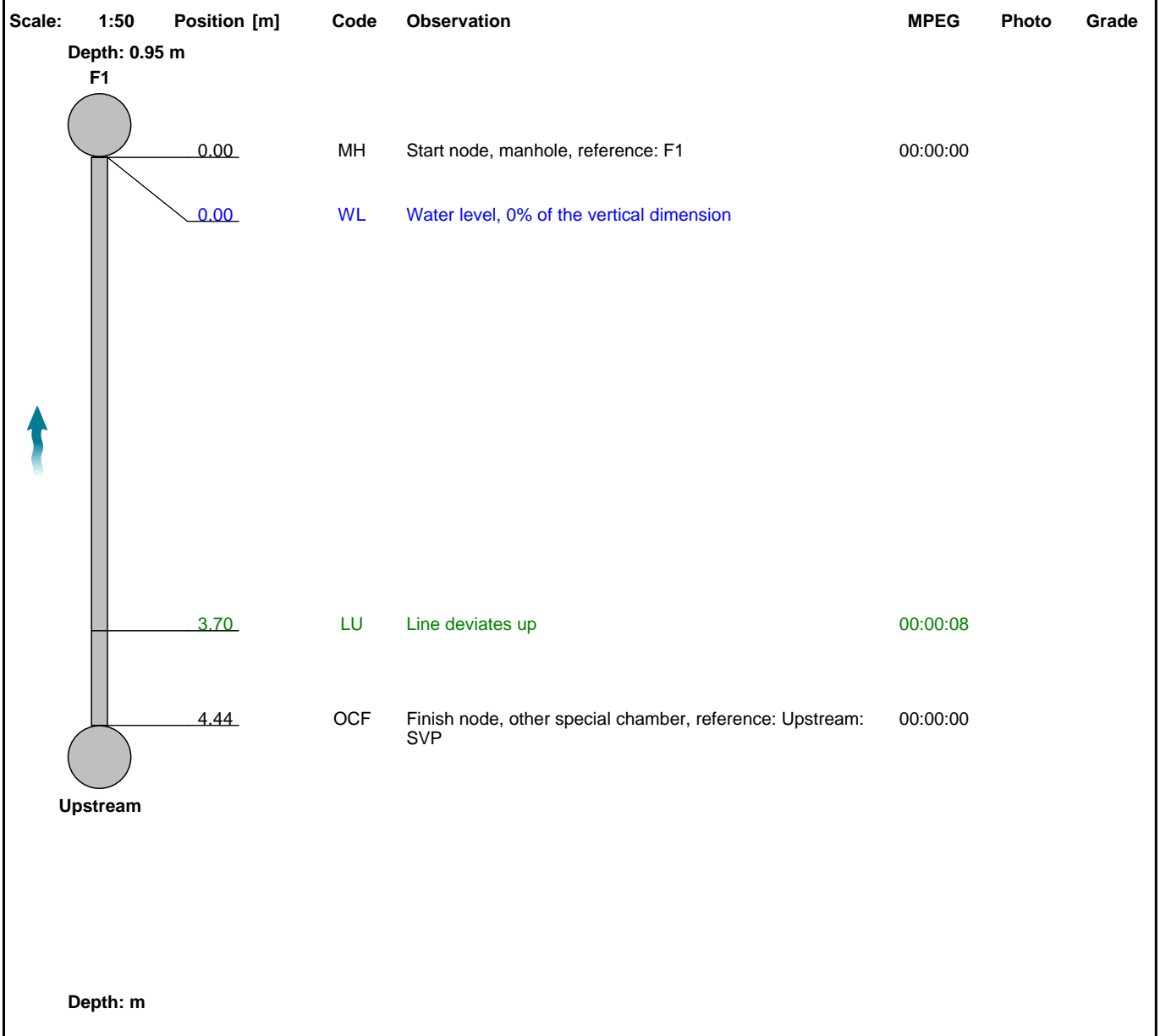
Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade																												
<div style="display: flex; align-items: flex-start;"> <div style="flex: 1;"> <p>Depth: 0.97 m MH6</p>  </div> <table border="1" style="margin-left: 10px; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: right;">0.00</td> <td style="width: 10%;"></td> <td style="width: 10%;">MH</td> <td style="width: 10%;">Start node, manhole, reference: MH6</td> <td style="width: 10%; text-align: right;">00:00:00</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">0.00</td> <td></td> <td>WL</td> <td>Water level, 0% of the vertical dimension</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">0.05</td> <td></td> <td>LU</td> <td>Line deviates up</td> <td style="text-align: right;">00:00:06</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">2.47</td> <td></td> <td>SA</td> <td>Survey abandoned: Unable to proceed</td> <td style="text-align: right;">00:00:00</td> <td></td> <td></td> </tr> </table> </div>								0.00		MH	Start node, manhole, reference: MH6	00:00:00			0.00		WL	Water level, 0% of the vertical dimension				0.05		LU	Line deviates up	00:00:06			2.47		SA	Survey abandoned: Unable to proceed	00:00:00		
0.00		MH	Start node, manhole, reference: MH6	00:00:00																															
0.00		WL	Water level, 0% of the vertical dimension																																
0.05		LU	Line deviates up	00:00:06																															
2.47		SA	Survey abandoned: Unable to proceed	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																										
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0																										

## Section Inspection - 21/03/2022 - UpstreamX

Item No. 28	Insp. No. 1	Date 21/03/22	Time 7:54	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAMX
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Upstream	Upstream Node: UPSTREAM
Road:	Inspected Length: 4.44 m	Upstream Pipe Depth:
Location:	Total Length: 4.44 m	Downstream Node: F1
Surface Type:	Joint Length:	Downstream Pipe Depth: 0.950 m
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 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:**



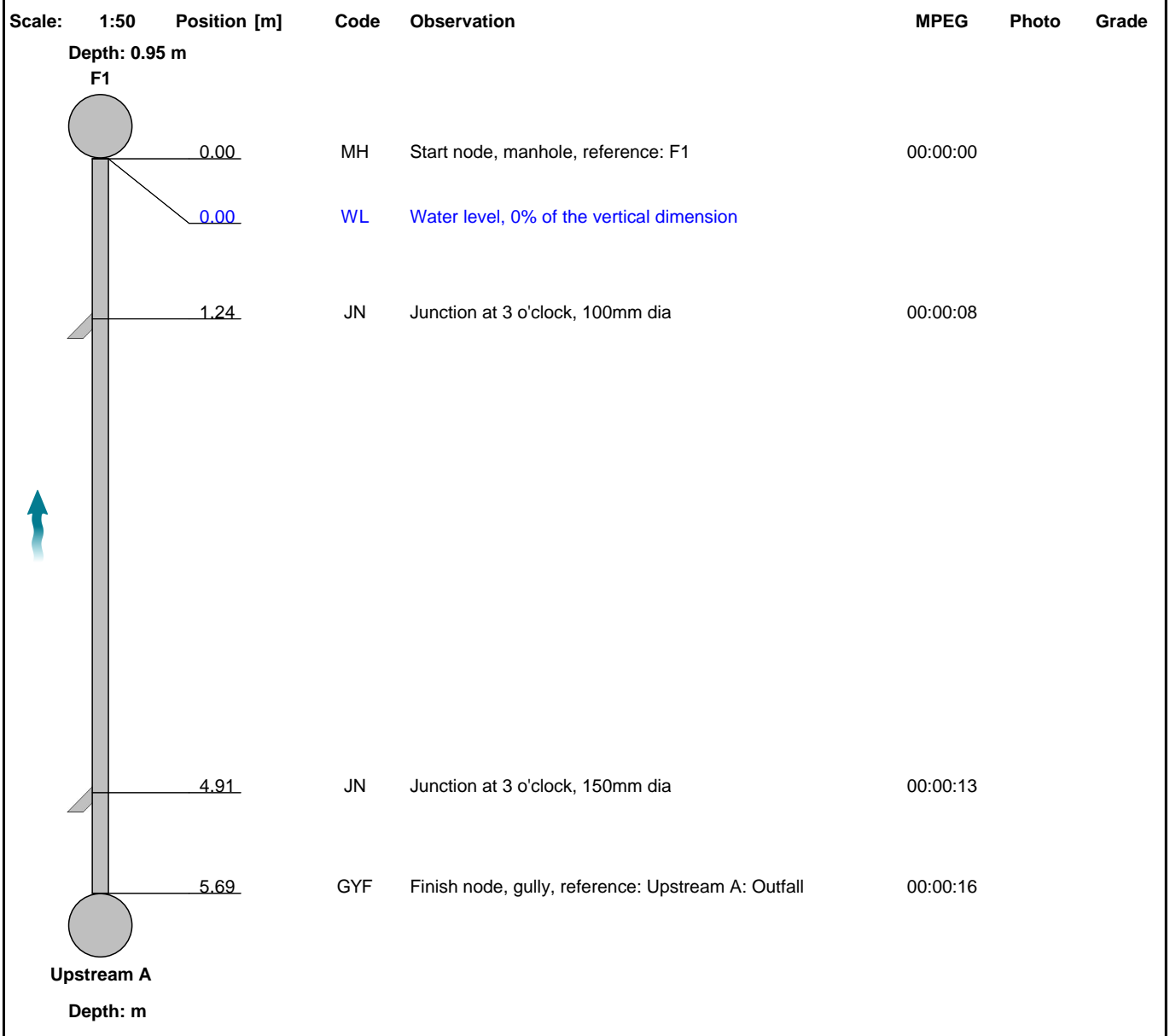
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

## Section Inspection - 21/03/2022 - Upstream AX

Item No. 29	Insp. No. 1	Date 21/03/22	Time 7:54	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAM AX
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Upstream	Upstream Node: UPSTREAM A
Road:	Inspected Length: 5.69 m	Upstream Pipe Depth:
Location:	Total Length: 5.69 m	Downstream Node: F1
Surface Type:	Joint Length:	Downstream Pipe Depth: 0.950 m
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 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:**



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

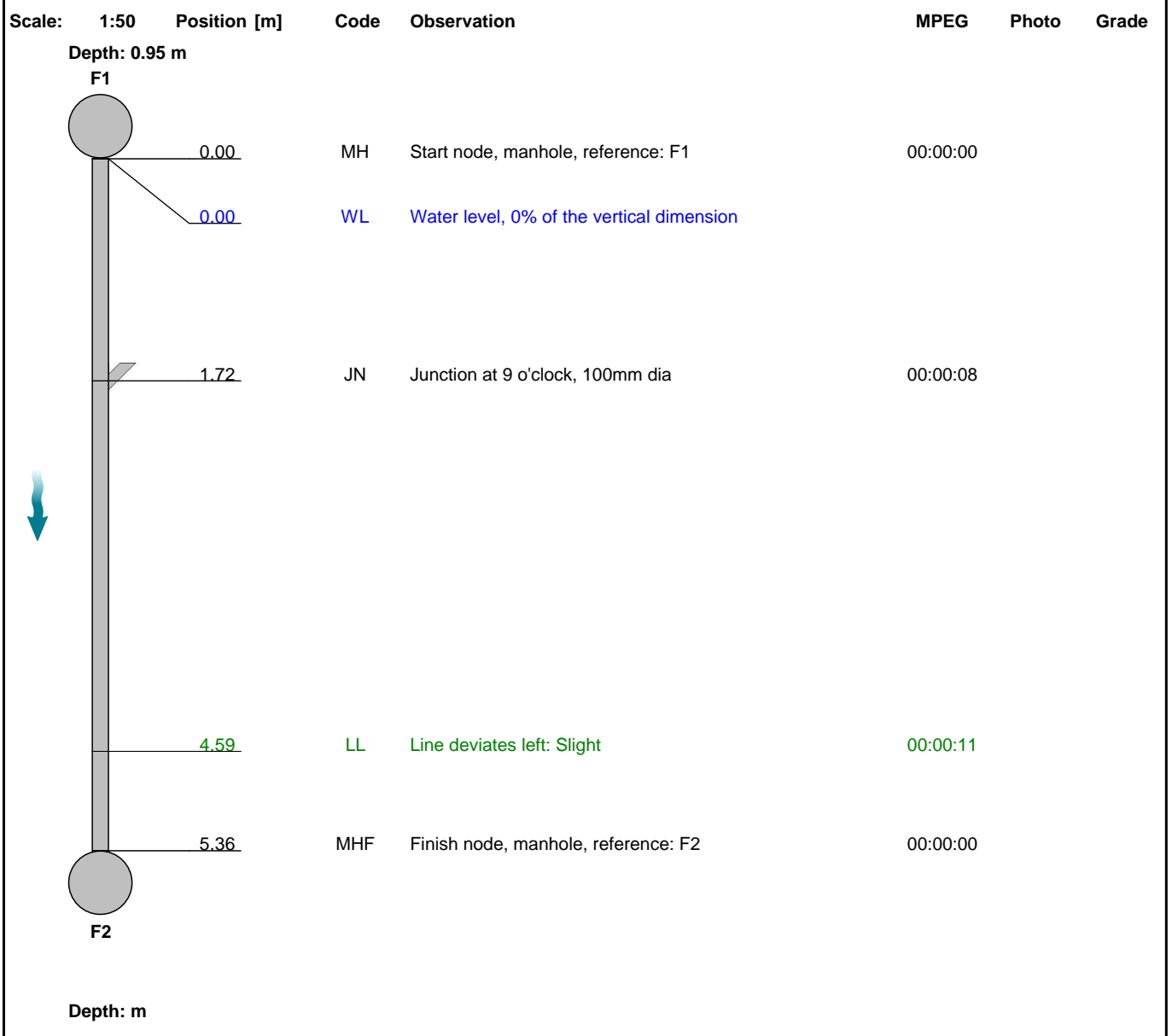


## Section Inspection - 21/03/2022 - F1X

Item No. 30	Insp. No. 1	Date 21/03/22	Time 7:54	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR F1X
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Downstream	Upstream Node: F1
Road:	Inspected Length: 5.36 m	Upstream Pipe Depth: 0.950 m
Location:	Total Length: 5.36 m	Downstream Node: F2
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	Material: Vitrified clay	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Sample condition survey	Lining Material: No Lining	

**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 Inspection - 21/03/2022 - Upstream AX

Item No. 31	Insp. No. 1	Date 21/03/22	Time 7:54	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAM AX
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Upstream	Upstream Node: UPSTREAM A
Road:	Inspected Length: 1.90 m	Upstream Pipe Depth:
Location:	Total Length: 1.90 m	Downstream Node: F2
Surface Type:	Joint Length:	Downstream Pipe Depth: 1.770 m
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 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:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade																												
<div style="display: flex; align-items: flex-start;"> <div style="flex: 1;"> <p style="text-align: center;">Depth: 1.77 m F2</p> </div> <table border="1" style="margin-left: 10px; border-collapse: collapse;"> <tr> <td style="text-align: right;">0.00</td> <td style="text-align: left;">MH</td> <td style="text-align: left;">Start node, manhole, reference: F2</td> <td style="text-align: right;">00:00:00</td> </tr> <tr> <td style="text-align: right;">0.00</td> <td style="text-align: left;">WL</td> <td style="text-align: left;">Water level, 0% of the vertical dimension</td> <td></td> </tr> <tr> <td style="text-align: right;">0.47</td> <td style="text-align: left;">S01</td> <td style="text-align: left;">Settled deposits, fine, 5% cross-sectional area loss, start</td> <td style="text-align: right;">00:00:11</td> </tr> <tr> <td style="text-align: right;">0.58</td> <td style="text-align: left;">LU</td> <td style="text-align: left;">Line deviates up</td> <td style="text-align: right;">00:00:11</td> </tr> <tr> <td style="text-align: right;">1.88</td> <td style="text-align: left;">LR</td> <td style="text-align: left;">Line deviates right: Critical</td> <td style="text-align: right;">00:00:42</td> </tr> <tr> <td style="text-align: right;">1.89</td> <td style="text-align: left;">F01</td> <td style="text-align: left;">Settled deposits, fine, 5% cross-sectional area loss, finish</td> <td style="text-align: right;">00:00:00</td> </tr> <tr> <td style="text-align: right;">1.90</td> <td style="text-align: left;">SA</td> <td style="text-align: left;">Survey abandoned: Unable to proceed</td> <td style="text-align: right;">00:00:00</td> </tr> </table> </div>								0.00	MH	Start node, manhole, reference: F2	00:00:00	0.00	WL	Water level, 0% of the vertical dimension		0.47	S01	Settled deposits, fine, 5% cross-sectional area loss, start	00:00:11	0.58	LU	Line deviates up	00:00:11	1.88	LR	Line deviates right: Critical	00:00:42	1.89	F01	Settled deposits, fine, 5% cross-sectional area loss, finish	00:00:00	1.90	SA	Survey abandoned: Unable to proceed	00:00:00
0.00	MH	Start node, manhole, reference: F2	00:00:00																																
0.00	WL	Water level, 0% of the vertical dimension																																	
0.47	S01	Settled deposits, fine, 5% cross-sectional area loss, start	00:00:11																																
0.58	LU	Line deviates up	00:00:11																																
1.88	LR	Line deviates right: Critical	00:00:42																																
1.89	F01	Settled deposits, fine, 5% cross-sectional area loss, finish	00:00:00																																
1.90	SA	Survey abandoned: Unable to proceed	00:00:00																																

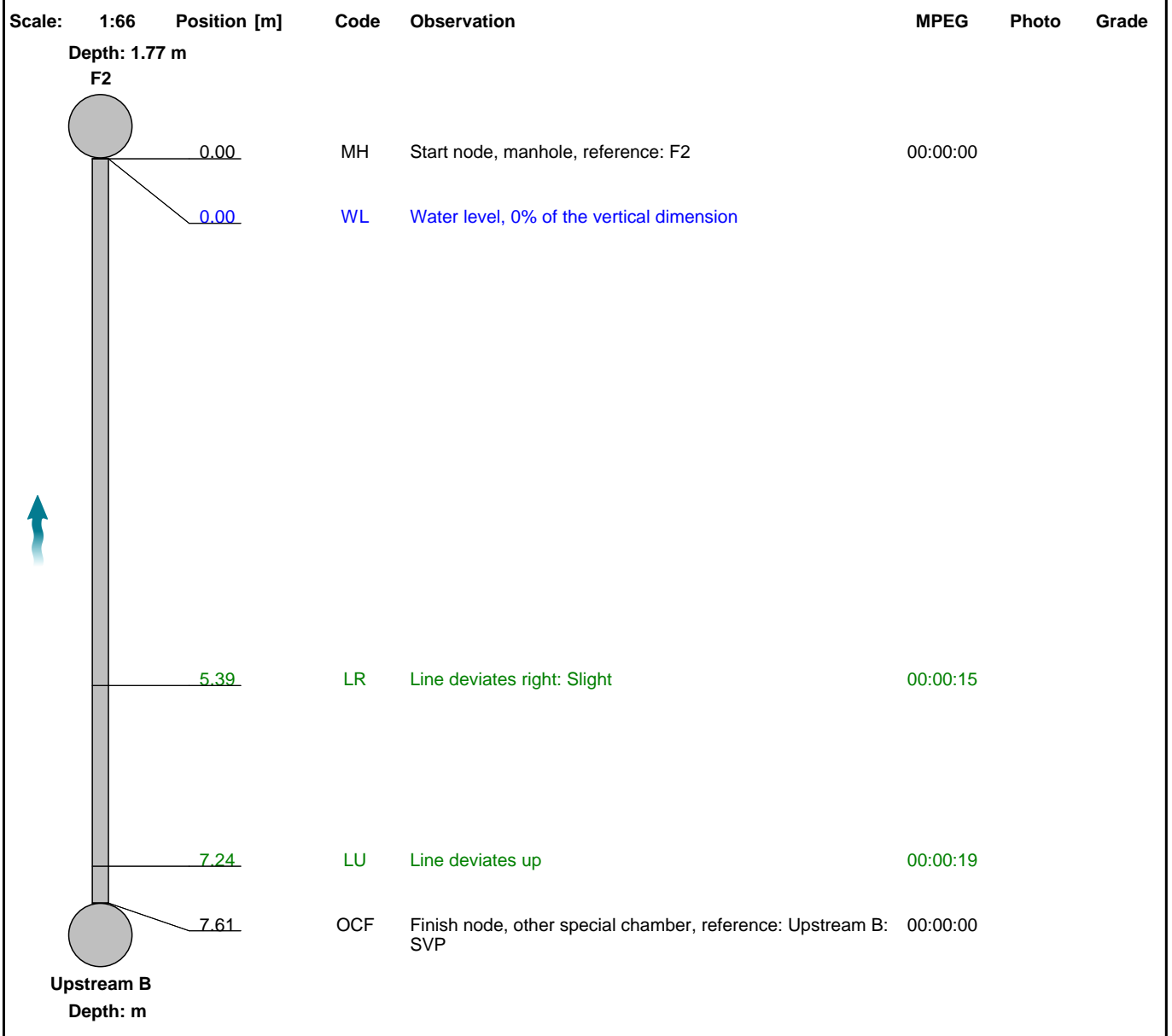
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	2.0	2.1	4.0	3.0

## Section Inspection - 21/03/2022 - Upstream BX

Item No. 32	Insp. No. 1	Date 21/03/22	Time 6:54	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAM BX
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Upstream	Upstream Node: UPSTREAM B
Road:	Inspected Length: 7.61 m	Upstream Pipe Depth:
Location:	Total Length: 7.61 m	Downstream Node: F2
Surface Type:	Joint Length:	Downstream Pipe Depth: 1.770 m
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 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:**



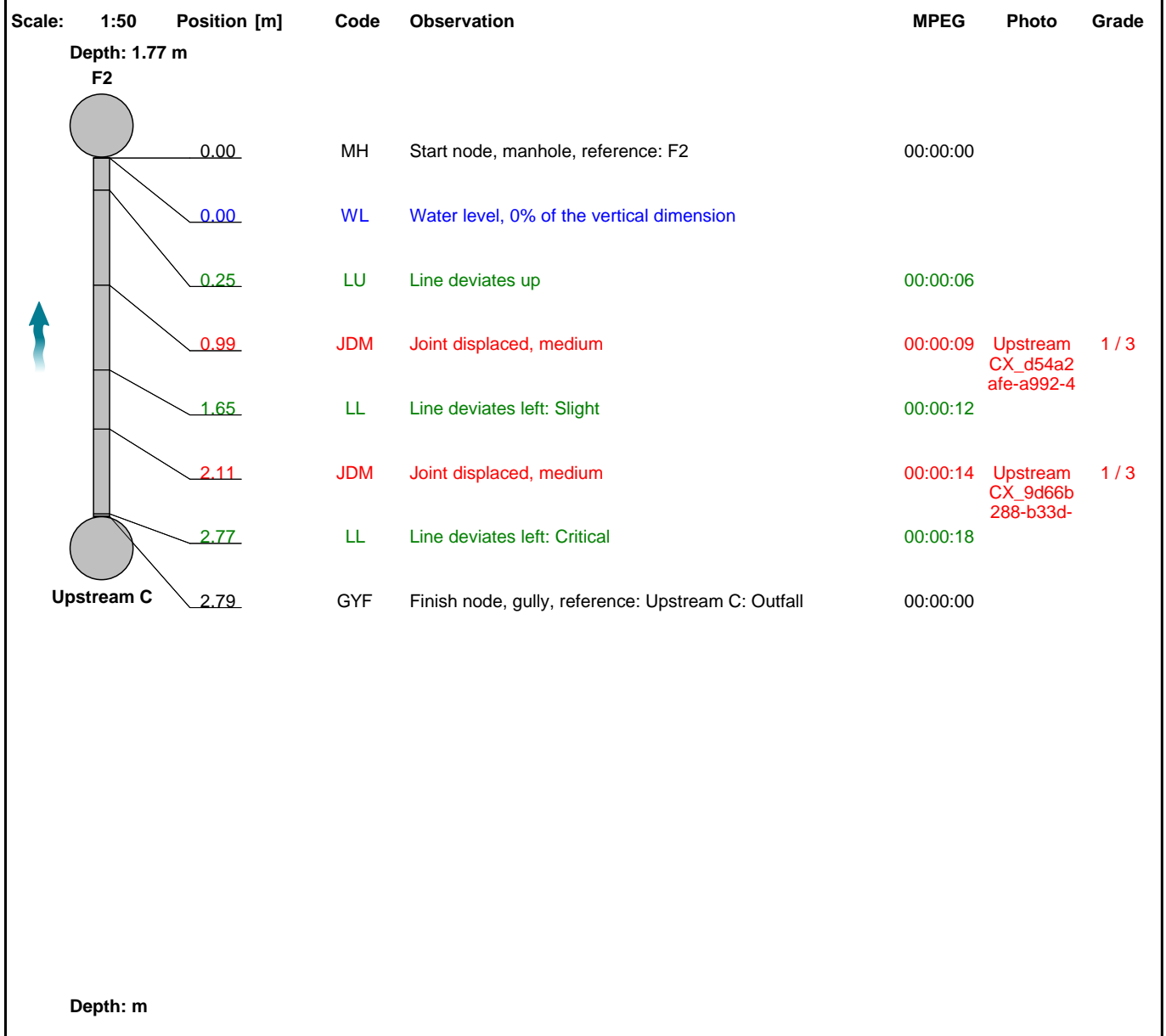
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

## Section Inspection - 21/03/2022 - Upstream CX

Item No. 33	Insp. No. 1	Date 21/03/22	Time 6:54	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAM CX
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Upstream	Upstream Node: UPSTREAM C
Road:	Inspected Length: 2.79 m	Upstream Pipe Depth:
Location:	Total Length: 2.79 m	Downstream Node: F2
Surface Type:	Joint Length:	Downstream Pipe Depth: 1.770 m
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 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:**



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	0.7	2.0	1.0	2	2.0	1.4	4.0	3.0

**Section Pictures - 21/03/2022 - Upstream CX**

Item No. 33	Inspection Direction Upstream	PLR UPSTREAM CX	Client's Job Ref	Contractor's Job Ref
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Upstream  
CX\_d54a2afe-a992-4310-b46b-aa03cded51ee\_20220328\_09  
4322\_567.jpg, 00:00:09, 0.99 m  
Joint displaced, medium



Upstream  
CX\_9d66b288-b33d-4a4e-9219-ed65493c2be2\_20220328\_09  
4356\_650.jpg, 00:00:14, 2.11 m  
Joint displaced, medium

## Section Inspection - 21/03/2022 - Upstream DX

Item No. 34	Insp. No. 1	Date 21/03/22	Time 6:54	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAM DX
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Upstream	Upstream Node: UPSTREAM D
Road:	Inspected Length: 3.73 m	Upstream Pipe Depth:
Location:	Total Length: 3.73 m	Downstream Node: F2
Surface Type:	Joint Length:	Downstream Pipe Depth: 1.770 m
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 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:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade																																			
<div style="display: flex; align-items: flex-start;"> <div style="flex: 1;"> <p style="margin-bottom: 5px;">Depth: 1.77 m</p> <p style="margin-bottom: 5px;">F2</p> </div> <table border="1" style="margin-left: 10px; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: right;">0.00</td> <td style="width: 10%;"></td> <td style="width: 10%;">MH</td> <td style="width: 40%;">Start node, manhole, reference: F2</td> <td style="width: 10%;">00:00:00</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">0.00</td> <td></td> <td>WL</td> <td>Water level, 0% of the vertical dimension</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">0.16</td> <td></td> <td>LU</td> <td>Line deviates up</td> <td>00:00:08</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">2.72</td> <td></td> <td>REM</td> <td>General remark: Not in use</td> <td>00:00:14</td> <td>Upstream DX_69da25b6-9ce7-</td> <td></td> </tr> <tr> <td style="text-align: right;">3.73</td> <td></td> <td>SA</td> <td>Survey abandoned: Unable to proceed</td> <td>00:00:00</td> <td></td> <td></td> </tr> </table> </div>								0.00		MH	Start node, manhole, reference: F2	00:00:00			0.00		WL	Water level, 0% of the vertical dimension				0.16		LU	Line deviates up	00:00:08			2.72		REM	General remark: Not in use	00:00:14	Upstream DX_69da25b6-9ce7-		3.73		SA	Survey abandoned: Unable to proceed	00:00:00		
0.00		MH	Start node, manhole, reference: F2	00:00:00																																						
0.00		WL	Water level, 0% of the vertical dimension																																							
0.16		LU	Line deviates up	00:00:08																																						
2.72		REM	General remark: Not in use	00:00:14	Upstream DX_69da25b6-9ce7-																																					
3.73		SA	Survey abandoned: Unable to proceed	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
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

## Section Pictures - 21/03/2022 - Upstream DX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
34	Upstream	UPSTREAM DX		



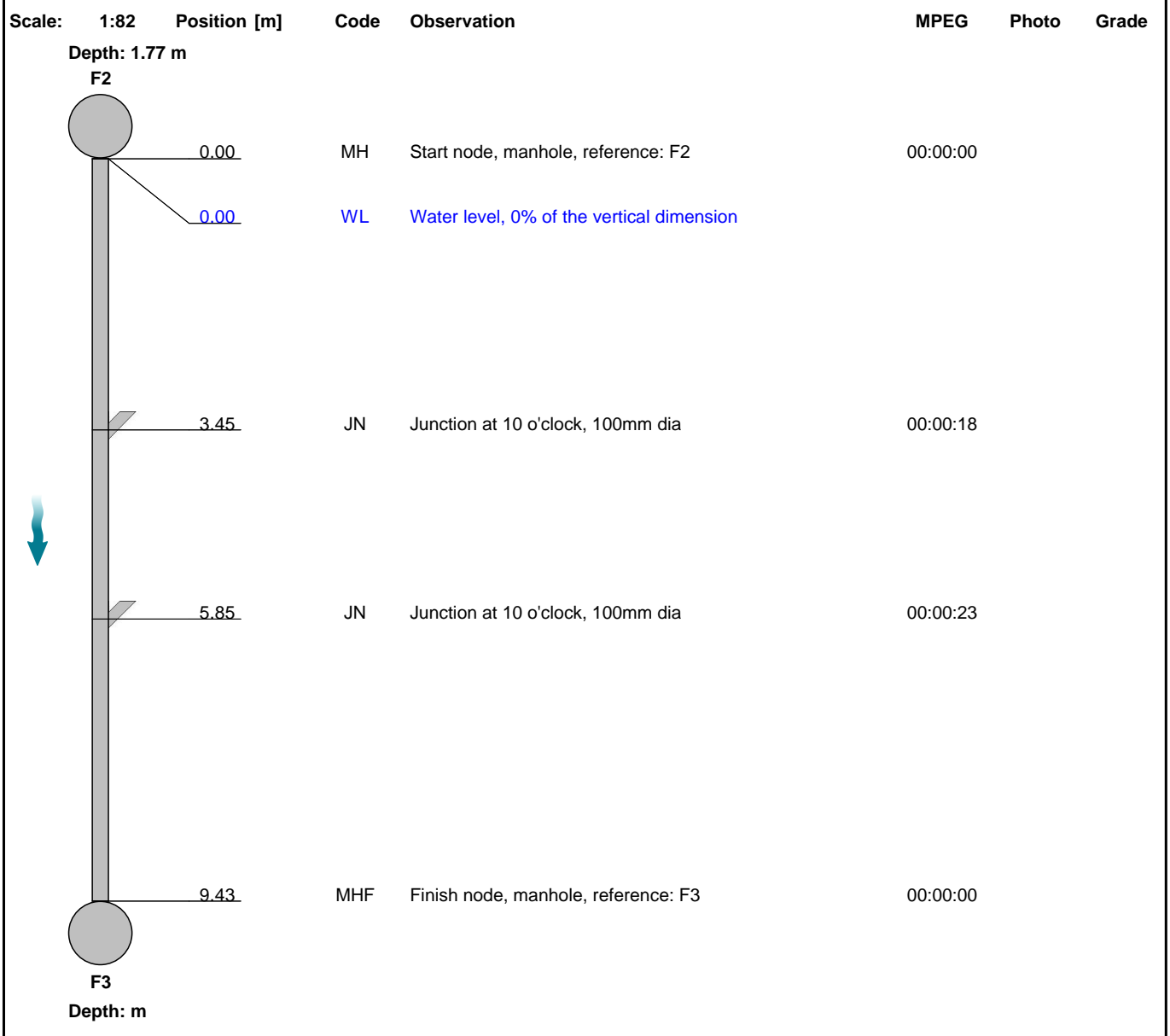
Upstream  
DX\_69da25b6-9ce7-4ede-9e5f-d45e484d3679\_20220328\_09  
4624\_431.jpg, 00:00:14, 2.72 m  
General remark, Not in use

## Section Inspection - 21/03/2022 - F2X

Item No. 35	Insp. No. 1	Date 21/03/22	Time 6:55	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR F2X
Operator J Dunstan		Vehicle MF200GL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Downstream	Upstream Node: F2
Road:	Inspected Length: 9.43 m	Upstream Pipe Depth: 1.770 m
Location:	Total Length: 9.43 m	Downstream Node: F3
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	Material: Vitrified clay	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Sample condition survey	Lining Material: No Lining	

**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 Inspection - 21/03/2022 - Upstream AX

Item No. 36	Insp. No. 1	Date 21/03/22	Time 6:55	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAM AX
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Upstream	Upstream Node: UPSTREAM A
Road:	Inspected Length: 0.29 m	Upstream Pipe Depth:
Location:	Total Length: 0.29 m	Downstream Node: F3
Surface Type:	Joint Length:	Downstream Pipe Depth: 2.750 m
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 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:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade																																
<div style="display: flex; align-items: flex-start;"> <div style="margin-right: 20px;"> <p>Depth: 2.75 m</p> <p>F3</p> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;">0.00</td> <td style="width: 10%;">MH</td> <td style="width: 40%;">Start node, manhole, reference: F3</td> <td style="width: 10%;">00:00:00</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <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></td> <td>0.17</td> <td>REM</td> <td>General remark: Line not in use</td> <td>00:00:08</td> <td><a href="#">Upstream AX_7c99f96d-474c-4</a></td> <td></td> <td></td> </tr> <tr> <td></td> <td>0.29</td> <td>SA</td> <td>Survey abandoned: Unable to proceed</td> <td>00:00:00</td> <td></td> <td></td> <td></td> </tr> </table> </div>									0.00	MH	Start node, manhole, reference: F3	00:00:00					0.00	WL	Water level, 0% of the vertical dimension						0.17	REM	General remark: Line not in use	00:00:08	<a href="#">Upstream AX_7c99f96d-474c-4</a>				0.29	SA	Survey abandoned: Unable to proceed	00:00:00			
	0.00	MH	Start node, manhole, reference: F3	00:00:00																																			
	0.00	WL	Water level, 0% of the vertical dimension																																				
	0.17	REM	General remark: Line not in use	00:00:08	<a href="#">Upstream AX_7c99f96d-474c-4</a>																																		
	0.29	SA	Survey abandoned: Unable to proceed	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
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

## Section Pictures - 21/03/2022 - Upstream AX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
36	Upstream	UPSTREAM AX		



Upstream

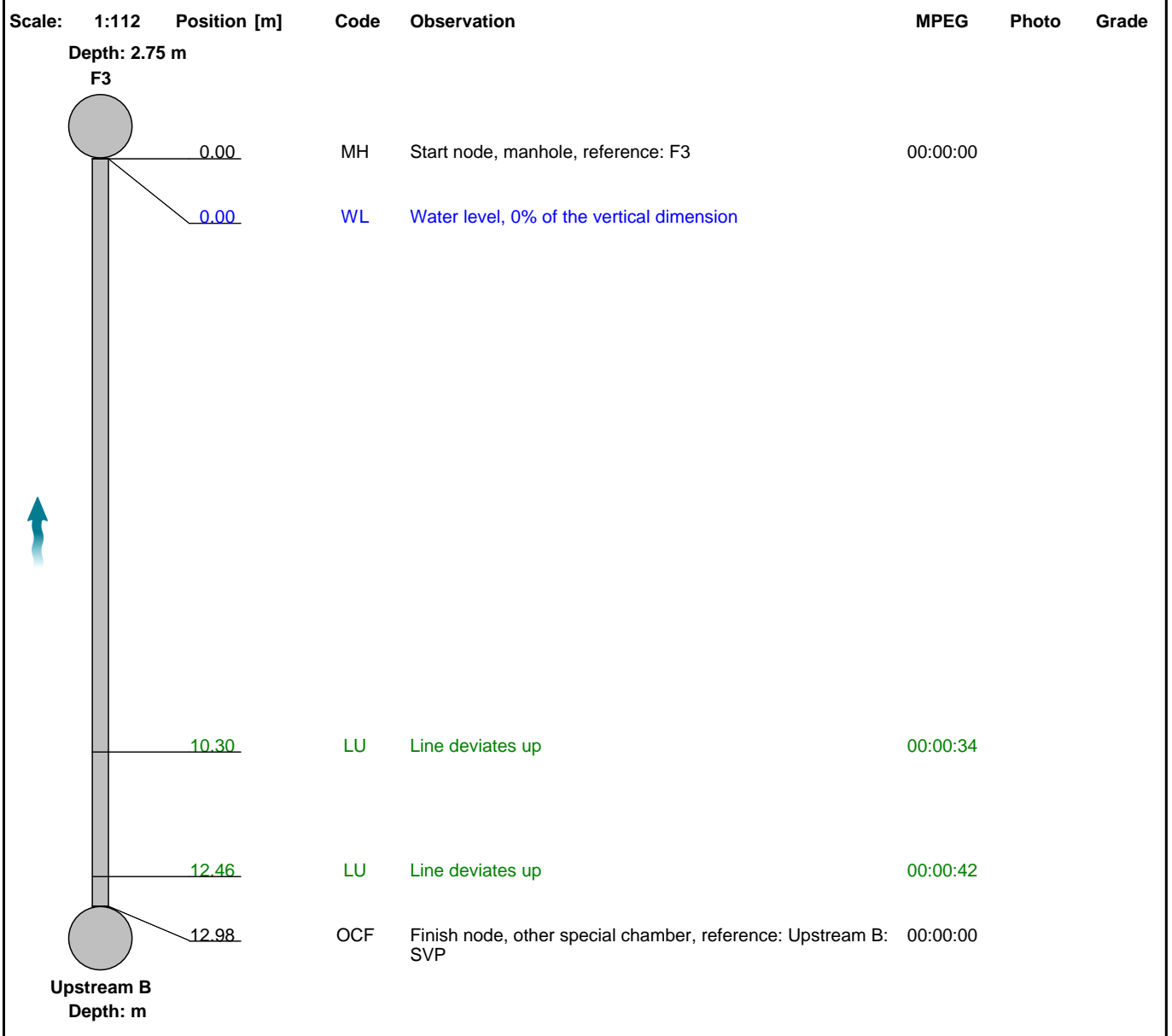
AX\_7c99f96d-474c-4a0e-8b27-04398331b5c6\_20220328\_110  
519\_702.jpg, 00:00:08, 0.17 m  
General remark, Line not in use

## Section Inspection - 21/03/2022 - Upstream BX

Item No. 37	Insp. No. 1	Date 21/03/22	Time 6:55	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAM BX
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Upstream	Upstream Node: UPSTREAM B
Road:	Inspected Length: 12.98 m	Upstream Pipe Depth:
Location:	Total Length: 12.98 m	Downstream Node: F3
Surface Type:	Joint Length:	Downstream Pipe Depth: 2.750 m
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 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:**



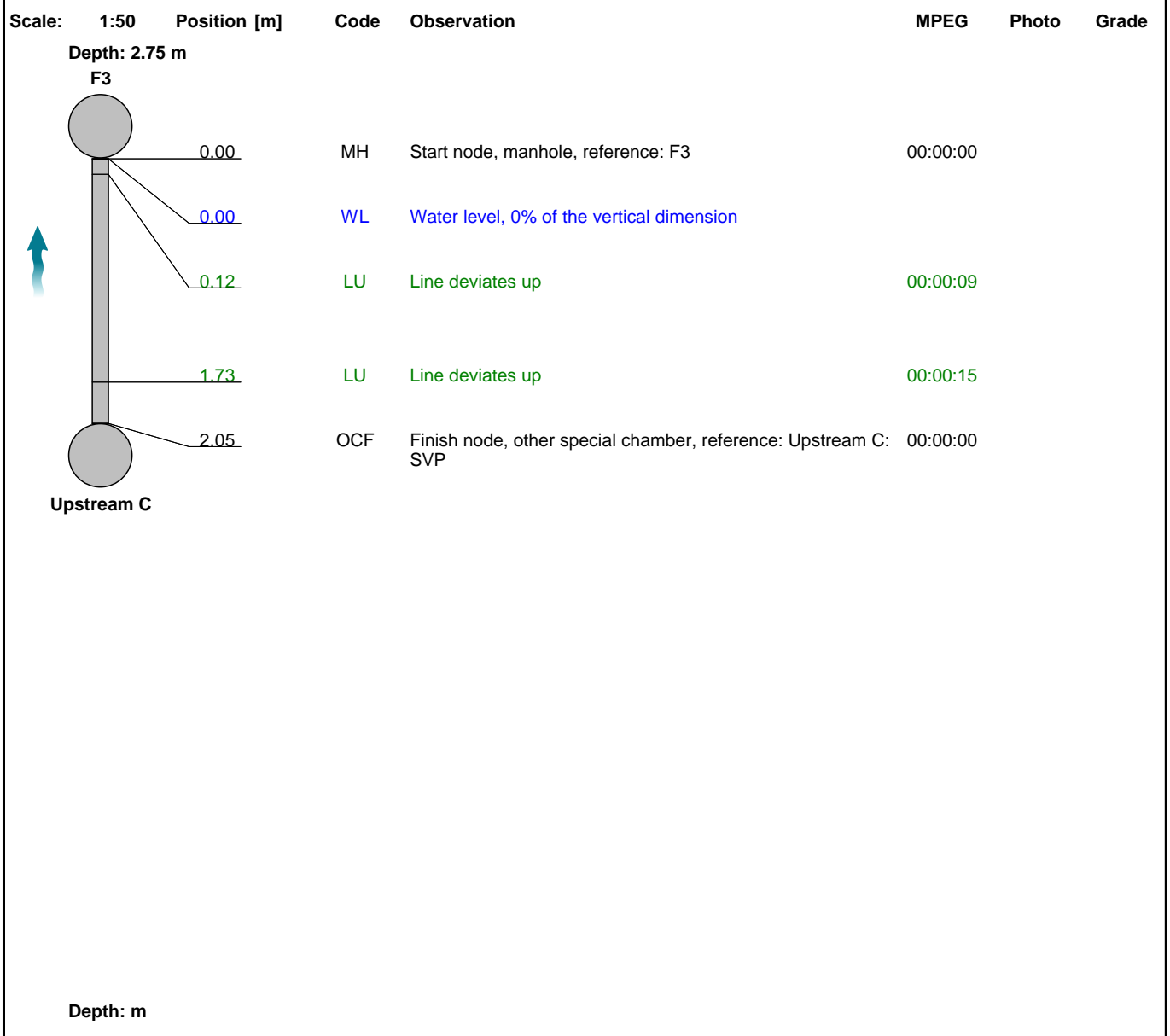
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

## Section Inspection - 21/03/2022 - Upstream CX

Item No. 38	Insp. No. 1	Date 21/03/22	Time 6:55	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR UPSTREAM CX
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Upstream	Upstream Node: UPSTREAM C
Road:	Inspected Length: 2.05 m	Upstream Pipe Depth:
Location:	Total Length: 2.05 m	Downstream Node: F3
Surface Type:	Joint Length:	Downstream Pipe Depth: 2.750 m
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 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:**

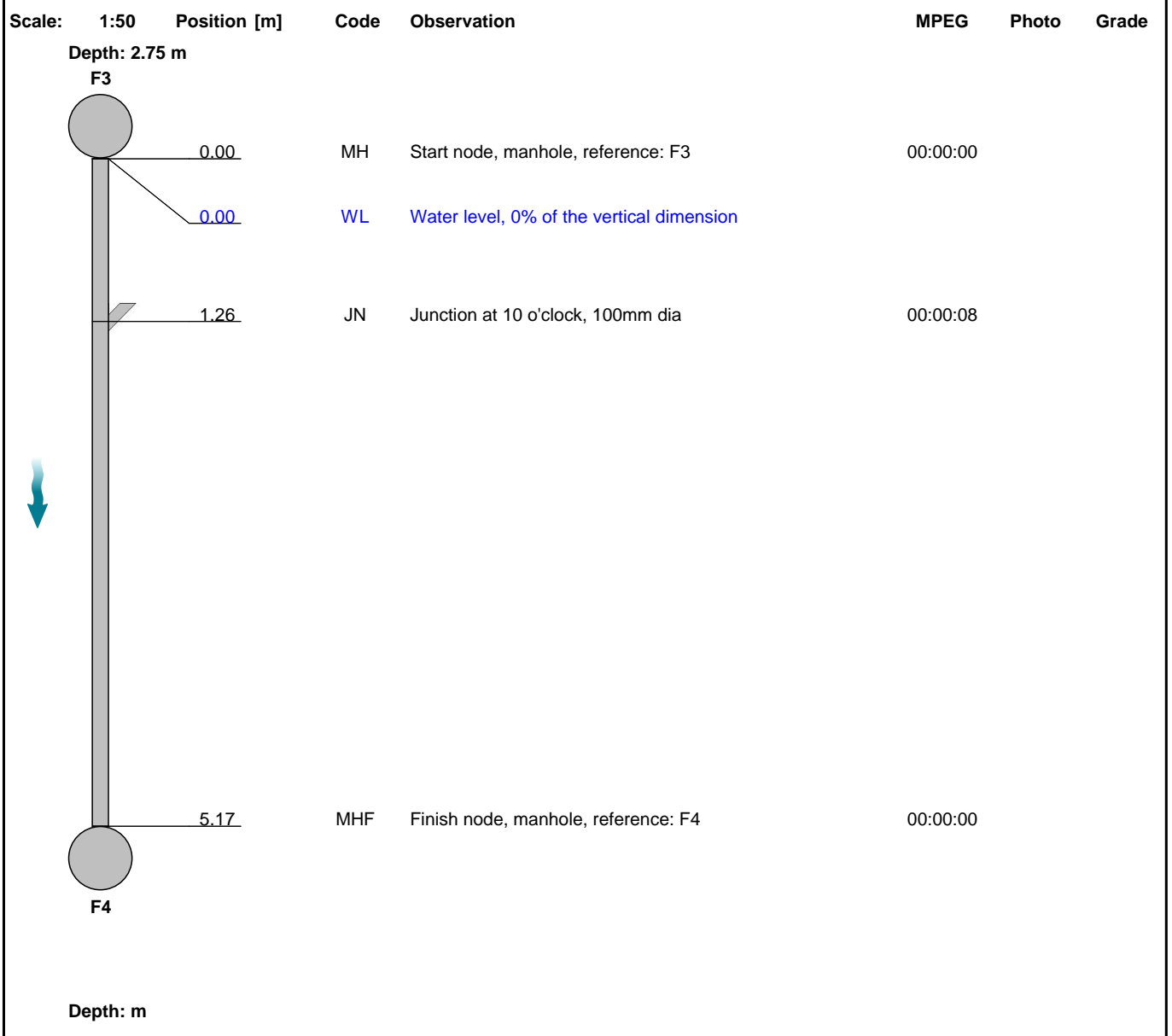


## Section Inspection - 21/03/2022 - F3X

Item No. 39	Insp. No. 1	Date 21/03/22	Time 6:55	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR F3X
Operator J Dunstan		Vehicle MF20OGL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Downstream	Upstream Node: F3
Road:	Inspected Length: 5.17 m	Upstream Pipe Depth: 2.750 m
Location:	Total Length: 5.17 m	Downstream Node: F4
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	Material: Vitrified clay	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Sample condition survey	Lining Material: No Lining	

**Comments:**  
**Recommendations:**



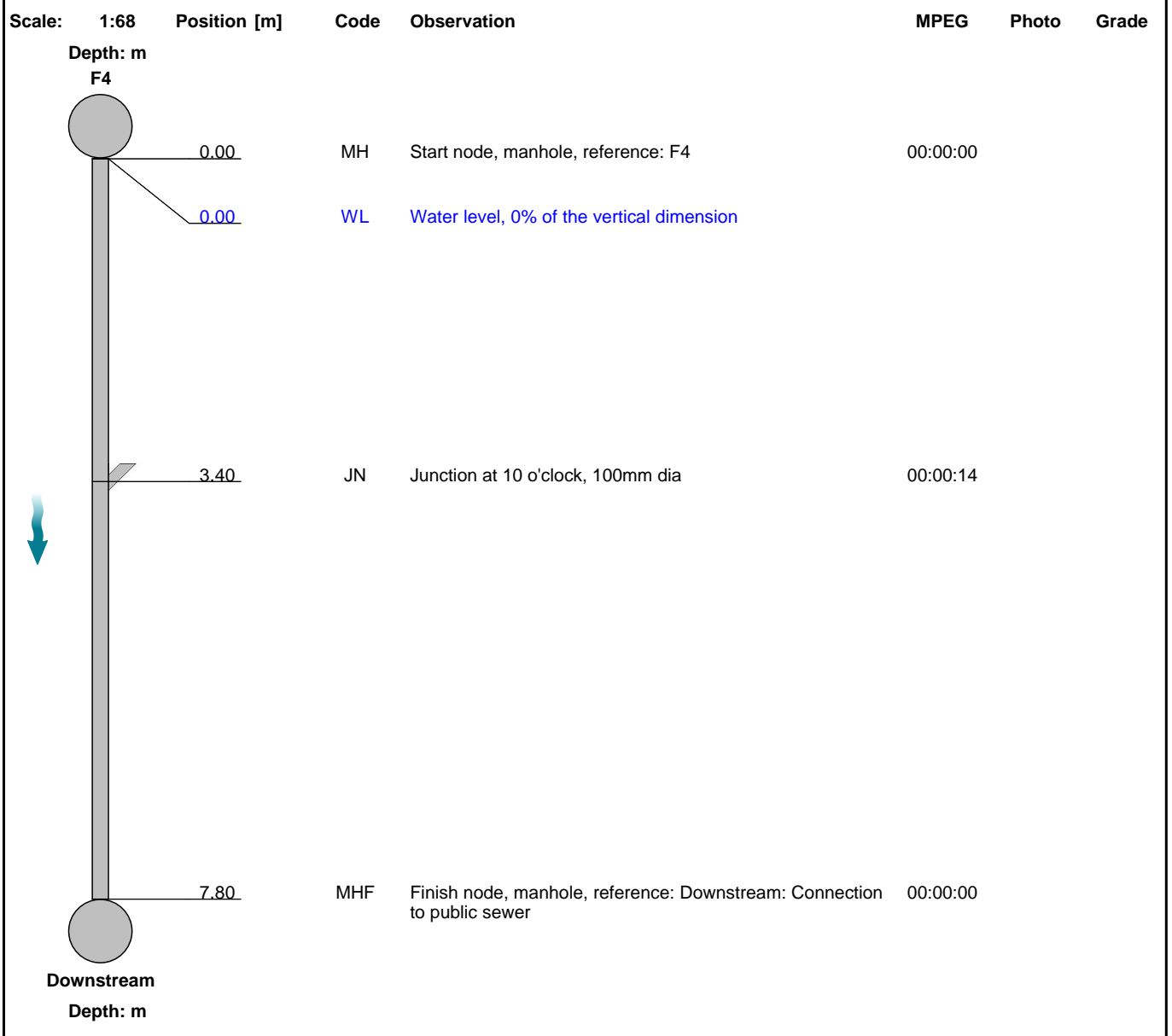
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

## Section Inspection - 21/03/2022 - F4X

Item No. 40	Insp. No. 1	Date 21/03/22	Time 6:55	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR F4X
Operator J Dunstan		Vehicle MF200GL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Downstream	Upstream Node: F4
Road:	Inspected Length: 7.80 m	Upstream Pipe Depth:
Location:	Total Length: 7.80 m	Downstream Node: DOWNSTREAM
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	Material: Vitrified clay	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Sample condition survey	Lining Material: No Lining	

**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 Inspection - 21/03/2022 - G4X

Item No. 41	Insp. No. 1	Date 21/03/22	Time 6:55	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR G4X
Operator J Dunstan		Vehicle MF200GL		Camera Solo Pro	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	Inspection Direction: Downstream	Upstream Node: G4
Road:	Inspected Length: 3.07 m	Upstream Pipe Depth:
Location:	Total Length: 3.07 m	Downstream Node: DOWNSTREAM
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	Material: Vitrified clay	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Sample condition survey	Lining Material: No Lining	

**Comments:**  
**Recommendations:**

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade																																				
<div style="display: flex; align-items: flex-start;"> <div style="flex: 1;"> <p>Depth: m</p> <p>G4</p> </div> <table border="1" style="margin-left: 10px; border-collapse: collapse;"> <tr> <td style="text-align: right;">0.00</td> <td>GY</td> <td>Start node, gully, reference: G4</td> <td>00:00:00</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">0.00</td> <td>WL</td> <td>Water level, 0% of the vertical dimension</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">0.19</td> <td>LD</td> <td>Line deviates down</td> <td>00:00:05</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">0.65</td> <td>JDM</td> <td>Joint displaced, medium</td> <td>00:00:07</td> <td>G4X_7962 43bf-c306- 4f28-8d52-</td> <td>1 / 3</td> </tr> <tr> <td style="text-align: right;">3.05</td> <td>XP</td> <td>Collapsed drain or sewer</td> <td>00:00:17</td> <td>G4X_85d3 06e3-1930 -4205-adc</td> <td></td> </tr> <tr> <td style="text-align: right;">3.07</td> <td>SA</td> <td>Survey abandoned: Unable to proceed</td> <td>00:00:00</td> <td></td> <td></td> </tr> </table> </div>								0.00	GY	Start node, gully, reference: G4	00:00:00			0.00	WL	Water level, 0% of the vertical dimension				0.19	LD	Line deviates down	00:00:05			0.65	JDM	Joint displaced, medium	00:00:07	G4X_7962 43bf-c306- 4f28-8d52-	1 / 3	3.05	XP	Collapsed drain or sewer	00:00:17	G4X_85d3 06e3-1930 -4205-adc		3.07	SA	Survey abandoned: Unable to proceed	00:00:00		
0.00	GY	Start node, gully, reference: G4	00:00:00																																								
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3.07	SA	Survey abandoned: Unable to proceed	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	165.0	47.8	166.0	5.0	1	2.0	0.6	2.0	3.0

**Section Pictures - 21/03/2022 - G4X**

Item No. 41	Inspection Direction Downstream	PLR G4X	Client's Job Ref	Contractor's Job Ref
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15:11:42 16-MAR-2022 0.65m  
G4X\_796243bf-c306-4f28-8d52-dd3f4df6e185\_20220328\_111658\_902.jpg, 00:00:07, 0.65 m  
Joint displaced, medium



15:11:52 16-MAR-2022 3.05m  
G4X\_85d306e3-1930-4205-adca-cf8b8c4505d7\_20220328\_111723\_938.jpg, 00:00:17, 3.05 m  
Collapsed drain or sewer