



Project

Project Name: 10008578 - To Your Home Ltd, Manchester Road S36 9LQ
Project Date: 19/05/2021
Inspection Standard: MSCC5 Sewers & Drainage GB (SRM5 Scoring)

CCTV Survey Report

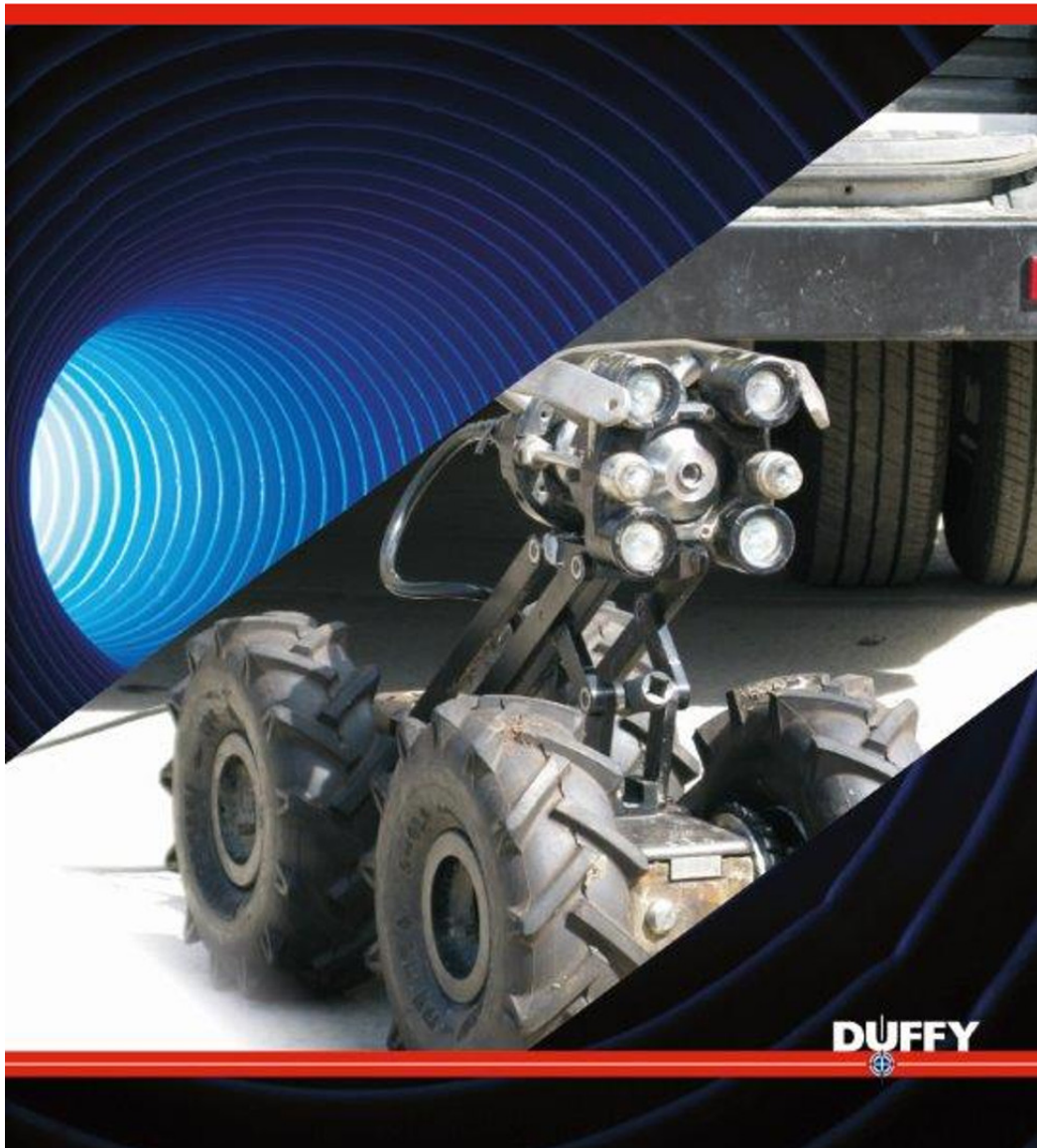


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Project Information

Project Name	Project Number	Project Date
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Client

Company: To Your Home Ltd

Site

Company: To Your Home Ltd
Contact: Edward Dillingham
Street: Off Manchester Road
Post Code: S36 9LQ
Mobile: 07860 114875

Contractor

Company: Drainsaid
Contact: Matthew Marsden
Department: CCTV and DESILT Supervisor
Street: Connaught House, Park View
Town or City: Wakefield
County: West Yorkshire
Post Code: WF3 3HA
Mobile: 07852 915244
Email: m.marsden@peterduffyLtd.com

Scoring Summary

Project Name 10008578 - To Your Home Ltd, Manchester Road S36 9LQ	Project Number	Project Date 19/05/2021
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Structural Defects

- Grade 3: Best practice suggests consideration should be given to repairs in the medium term.
- Grade 4: Best practice suggests consideration should be given to repairs to avoid a potential collapse.
- Grade 5: Best practice suggests that this pipe is at risk of collapse at any time. Urgent consideration should be given to repairs to avoid total failure.

Section	PLR	Grade	Description
3	DitchX	5	Collapsed drain or sewer
5	Mh4X	4	Hole in drain or sewer at joint at 12 o'clock

Service / Operational Condition

- Grade 3: Best practice suggests consideration should be given to maintenance activities in the medium term.
- Grade 4: Best practice suggests consideration should be given to maintenance activity to avoid potential blockages.
- Grade 5: Best practice suggests that this pipe is at a high risk of backing up or causing flooding.

Section	PLR	Grade	Description
2	Mh1X	3	Connection defective, connecting pipe is intruding at 2 o'clock, diameter: 150mm, intrusion: 15%
5	Mh4X	5	Roots, mass at joint, 30% cross-sectional area loss
6	Mh3X	3	Settled deposits, fine, 10% cross-sectional area loss, finish
8	GullyX	4	Joint displaced, large

Abandoned Surveys

Section	PLR	Description
3	DitchX	Survey abandoned
4	Mh5X	Survey abandoned
8	GullyX	Survey abandoned

Information

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

Project Pictures

Project Name	Project Number	Project Date
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Mh5 UTR

Project Summary

Project Name 10008578 - To Your Home Ltd, Manchester Road S36 9LQ	Project Number	Project Date 19/05/2021
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Pipe Summary

No.	Type	PLR	Upstream Node	Downstream Node	Road	Town	Use	Mat.	Profile	Length
1	SEC	IntX	INT	MH1	Off Manchester Road	Thurlstone	S	VC	Circular 150mm	13.62 m
2	SEC	Mh1X	MH1	MH2	Off Manchester Road	Thurlstone	S	VC	Circular 150mm	36.99 m
3	SEC	DitchX	DITCH	MH1	Off Manchester Road	Thurlstone	S	VC	Circular 150mm	0.20 m
4	SEC	Mh5X	MH5	MH4	Off Manchester Road	Thurlstone	S	VC	Circular 300mm	17.57 m
5	SEC	Mh4X	MH4	MH6	Off Manchester Road	Thurlstone	S	VC	Circular 300mm	61.86 m
6	SEC	Mh3X	MH3	MH4	Off Manchester Road	Thurlstone	S	VC	Circular 150mm	10.92 m
7	SEC	Mh2X	MH2	MH3	Off Manchester Road	Thurlstone	S	PVC	Circular 300mm	8.02 m
8	SEC	GullyX	GULLY	OUTFALL	Off Manchester Road	Thurlstone	S	PVC	Circular 150mm	14.72 m
Total:										163.89 m

Pipe Levels

No.	PLR	Upstream Node	Upstream C.L.	Upstream I.L.	Upstream I.D.	Downstream Node	Downstream C.L.	Downstream I.L.	Downstream I.D.
1	IntX	INT			0.000 m	MH1			1.900 m
2	Mh1X	MH1			1.900 m	MH2			1.650 m
3	DitchX	DITCH			0.000 m	MH1			1.900 m
4	Mh5X	MH5			0.000 m	MH4			2.600 m
5	Mh4X	MH4			2.600 m	MH6			0.000 m
6	Mh3X	MH3			1.800 m	MH4			2.600 m
7	Mh2X	MH2			1.650 m	MH3			1.800 m
8	GullyX	GULLY			0.000 m	OUTFALL			0.000 m

Project Summary

Project Name 10008578 - To Your Home Ltd, Manchester Road S36 9LQ	Project Number	Project Date 19/05/2021
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Pipe Summary by Profile

Profile	Total Length	No. Pipes
Circular 150mm	13.62 m	
Circular 150mm	36.99 m	
Circular 150mm	0.20 m	
Circular 150mm	10.92 m	
Circular 150mm	14.72 m	
Circular 150mm =	76.44 m	5
Circular 300mm	17.57 m	
Circular 300mm	61.86 m	
Circular 300mm	8.02 m	
Circular 300mm =	87.45 m	3
Total =	163.89 m	8

Inspection Summary

Pipe No.	Insp. No.	Upstream Node	Downstream Node	Dir.	Operator	Insp. Date	Insp. Time	Str	Ser	Final Observation	Length
1	1	INT	MH1	US	C.Chilton	19/05/2021	10:43	1	1	OSF, Interceptor	13.62 m
2	1	MH1	MH2	DS	C.Chilton	19/05/2021	10:58	1	3	CPF	36.99 m
3	1	DITCH	MH1	US	C.Chilton	19/05/2021	11:26	5	1	SA, XP	0.20 m
4	1	MH5	MH4	US	C.Chilton	19/05/2021	12:59	2	2	SA, SCR	17.57 m
5	1	MH4	MH6	DS	C.Chilton	19/05/2021	13:20	4	5	MHF	61.86 m
6	1	MH3	MH4	US	C.Chilton	19/05/2021	13:35	1	3	CPF	10.92 m
7	1	MH2	MH3	DS	C.Chilton	19/05/2021	13:52	1	1	CPF	8.02 m
8	1	GULLY	OUTFALL	DS	C.Chilton	19/05/2021	14:50	1	4	SA, JDL	14.72 m
Total:											163.89 m

Inspection Summary by Profile

Profile	Total Length	No. Inspections
Circular 150mm	13.62 m	
Circular 150mm	36.99 m	
Circular 150mm	0.20 m	

Project Summary

Project Name 10008578 - To Your Home Ltd, Manchester Road S36 9LQ	Project Number	Project Date 19/05/2021
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Profile		Total Length	No. Inspections
Circular 150mm		10.92 m	
Circular 150mm		14.72 m	
Circular 150mm	=	76.44 m	5
Circular 300mm		17.57 m	
Circular 300mm		61.86 m	
Circular 300mm		8.02 m	
Circular 300mm	=	87.45 m	3
Total	=	163.89 m	8

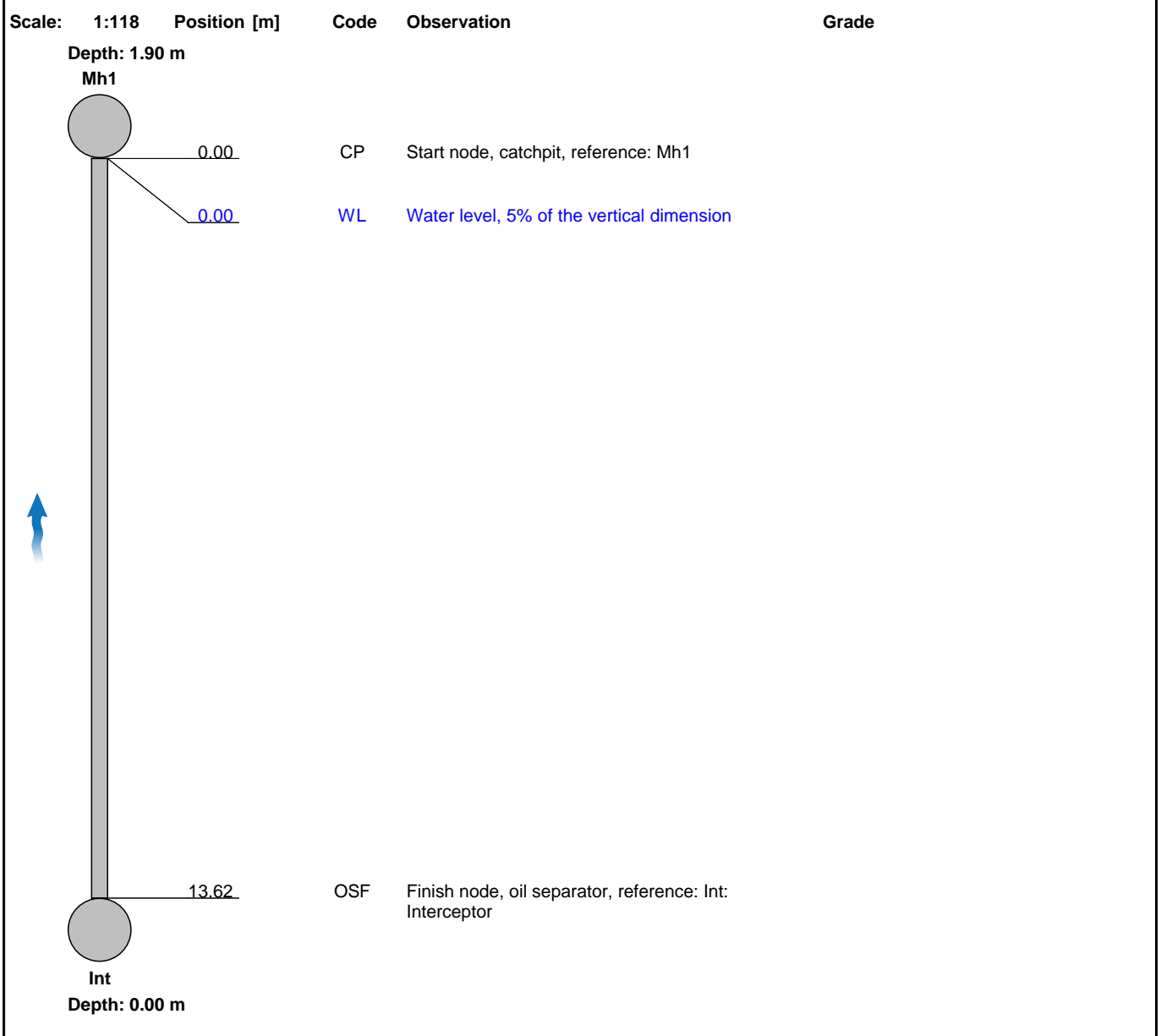
Defect Summary				CCTV Drainage Survey Observation Count																					
				General				Structural Condition								Service Condition									
				Sect. No.	Insp. No.	Upstream Node	Downstream Node	Insp. Length (m)	No. Grade 4/5 Obs.	Survey Abandoned	Camera Under Water	Cracks	Fractures	Broken	Deformed	Collapsed	Holes	Surface Damage	Displaced Joints	Open Joints	Roots	Infiltration	Encrustation	Silt	Grease
1	1	INT	MH1	13.6																				1	
2	1	MH1	MH2	37.0			2																	5	
3	1	DITCH	MH1	0.2	1	1						1												1	
4	1	MH5	MH4	17.6		1		1																1	
5	1	MH4	MH6	61.9	3			1					1					3	1					1	
6	1	MH3	MH4	10.9																2				1	
7	1	MH2	MH3	8.0																				1	
8	1	GULLY	OUTFALL	14.7	1	1									1									1	1
Total:				163.9	5	3	2	2										3	1		2			12	1

Section Inspection - 19/05/2021 - IntX

Item No. 1	Insp. No. 1	Date 19/05/21	Time 10:43	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR INTX
Operator C.Chilton		Vehicle YH70 WXD		Camera Pan + Tilt Zoom	Preset Length 0.90 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Thurlstone	Inspection Direction:	Upstream	Upstream Node:	INT
Road:	Off Manchester Road	Inspected Length:	13.62 m	Upstream Pipe Depth:	0.000 m
Location:	Property or buildings	Total Length:	13.62 m	Downstream Node:	MH1
Surface Type:	Ballast	Joint Length:	1.00 m	Downstream Pipe Depth:	1.900 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: CLICK TO OPEN THIS SECTION



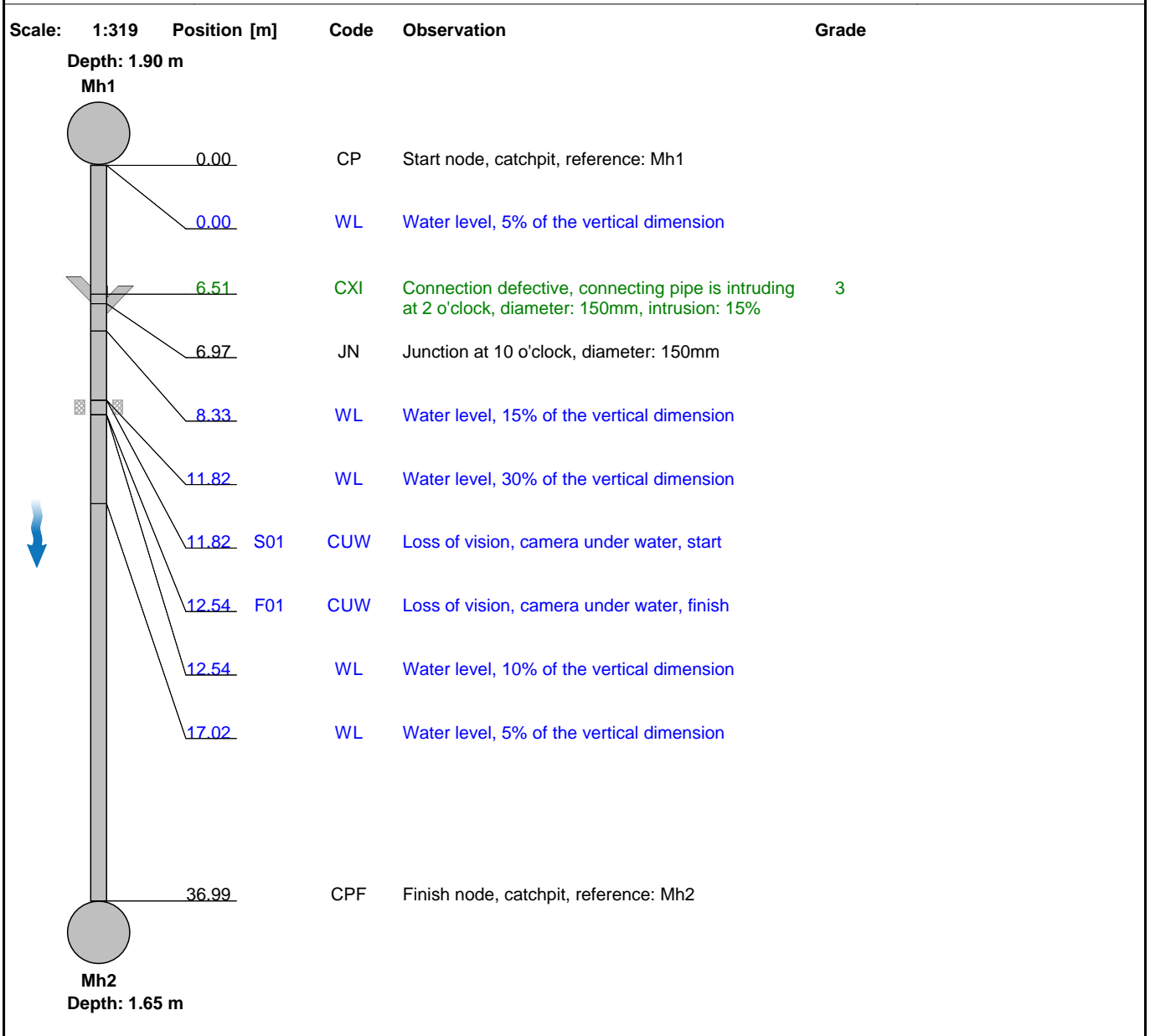
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 19/05/2021 - Mh1X

Item No. 2	Insp. No. 1	Date 19/05/21	Time 10:58	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR MH1X
Operator C.Chilton		Vehicle YH70 WXD		Camera Pushrod	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Thurlstone	Inspection Direction:	Downstream	Upstream Node:	MH1
Road:	Off Manchester Road	Inspected Length:	36.99 m	Upstream Pipe Depth:	1.900 m
Location:	Property or buildings	Total Length:	36.99 m	Downstream Node:	MH2
Surface Type:	Ballast	Joint Length:	1.00 m	Downstream Pipe Depth:	1.650 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:



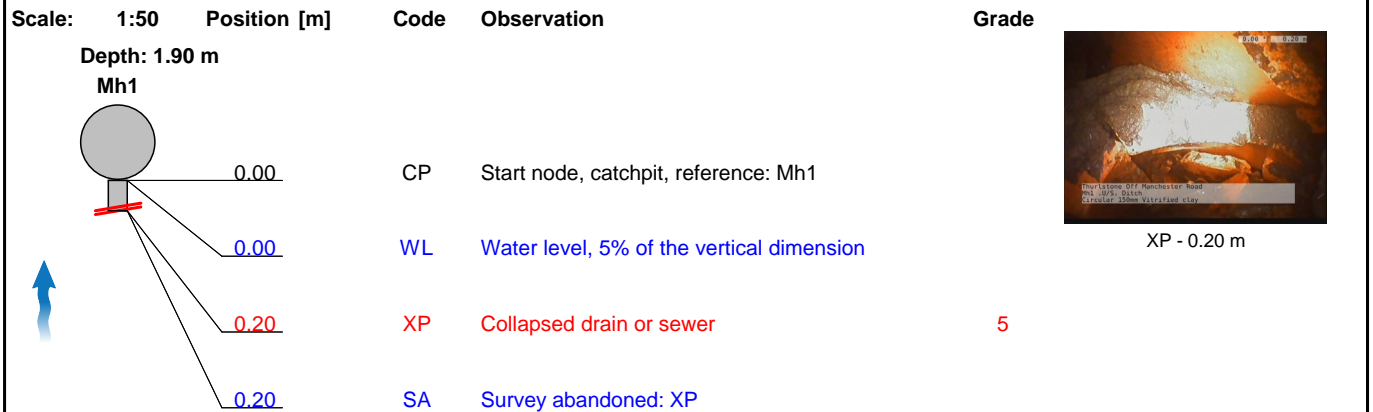
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	2.0	0.1	2.0	3.0

Section Inspection - 19/05/2021 - DitchX

Item No. 3	Insp. No. 1	Date 19/05/21	Time 11:26	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR DITCHX
Operator C.Chilton		Vehicle YH70 WXD		Camera Pushrod	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Thurlstone	Inspection Direction:	Upstream	Upstream Node:	DITCH
Road:	Off Manchester Road	Inspected Length:	0.20 m	Upstream Pipe Depth:	0.000 m
Location:	Property or buildings	Total Length:	0.20 m	Downstream Node:	MH1
Surface Type:	Ballast	Joint Length:	1.00 m	Downstream Pipe Depth:	1.900 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: CLICK TO OPEN THIS SECTION



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	165.0	825.0	165.0	5.0	0	0.0	0.0	0.0	1.0

Section Pictures - 19/05/2021 - DitchX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
3	Upstream	DITCHX		10008578



Mh1-UDitch-1-8473.jpg, 00:00:15, 0.20 m
Collapsed drain or sewer

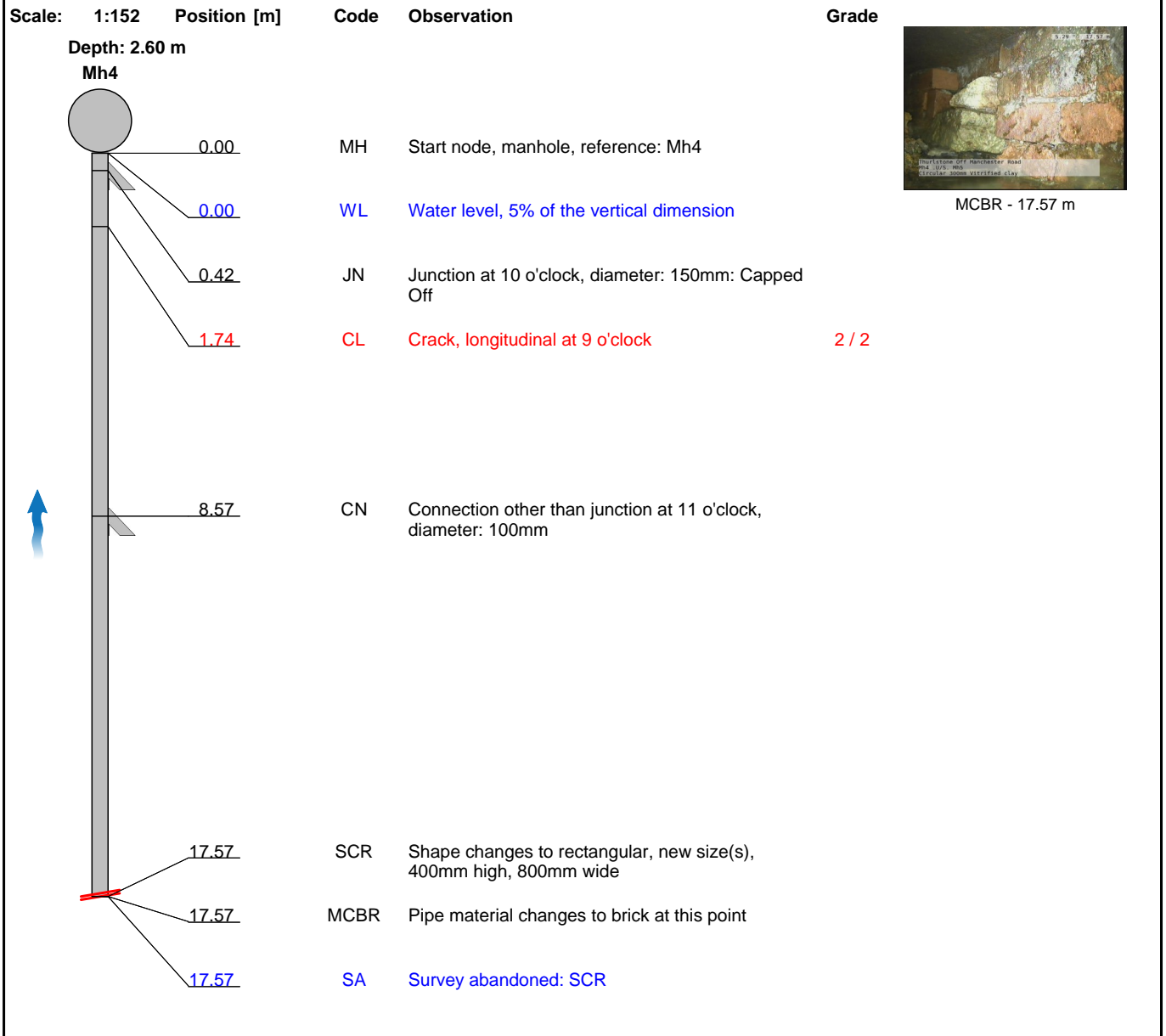
Section Inspection - 19/05/2021 - Mh5X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
4	1	19/05/21	12:59	Not Specified	No Rain Or Snow	Yes	MH5X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
C.Chilton		YH70 WXD		Pan + Tilt Zoom	1.00 m	Not Specified	Not Specified

Town or Village:	Thurlstone	Inspection Direction:	Upstream	Upstream Node:	MH5
Road:	Off Manchester Road	Inspected Length:	17.57 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	17.57 m	Downstream Node:	MH4
Surface Type:	Concrete Highway	Joint Length:	1.00 m	Downstream Pipe Depth:	2.600 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	300 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:

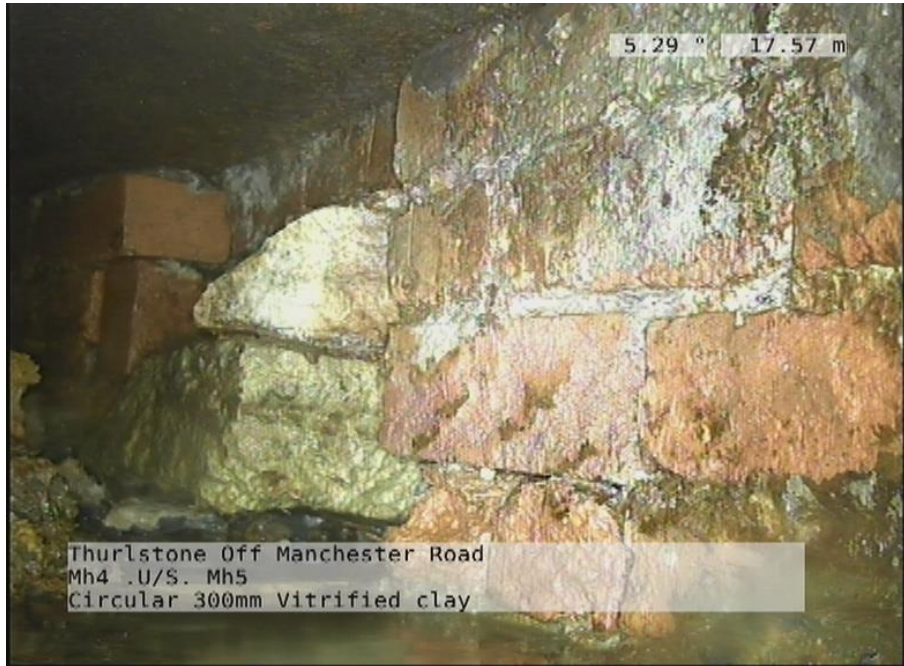
Recommendations:



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		10.0	0.6	10.0	2.0	1		1.0	0.1	1.0	2.0

Section Pictures - 19/05/2021 - Mh5X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Upstream	MH5X		10008578



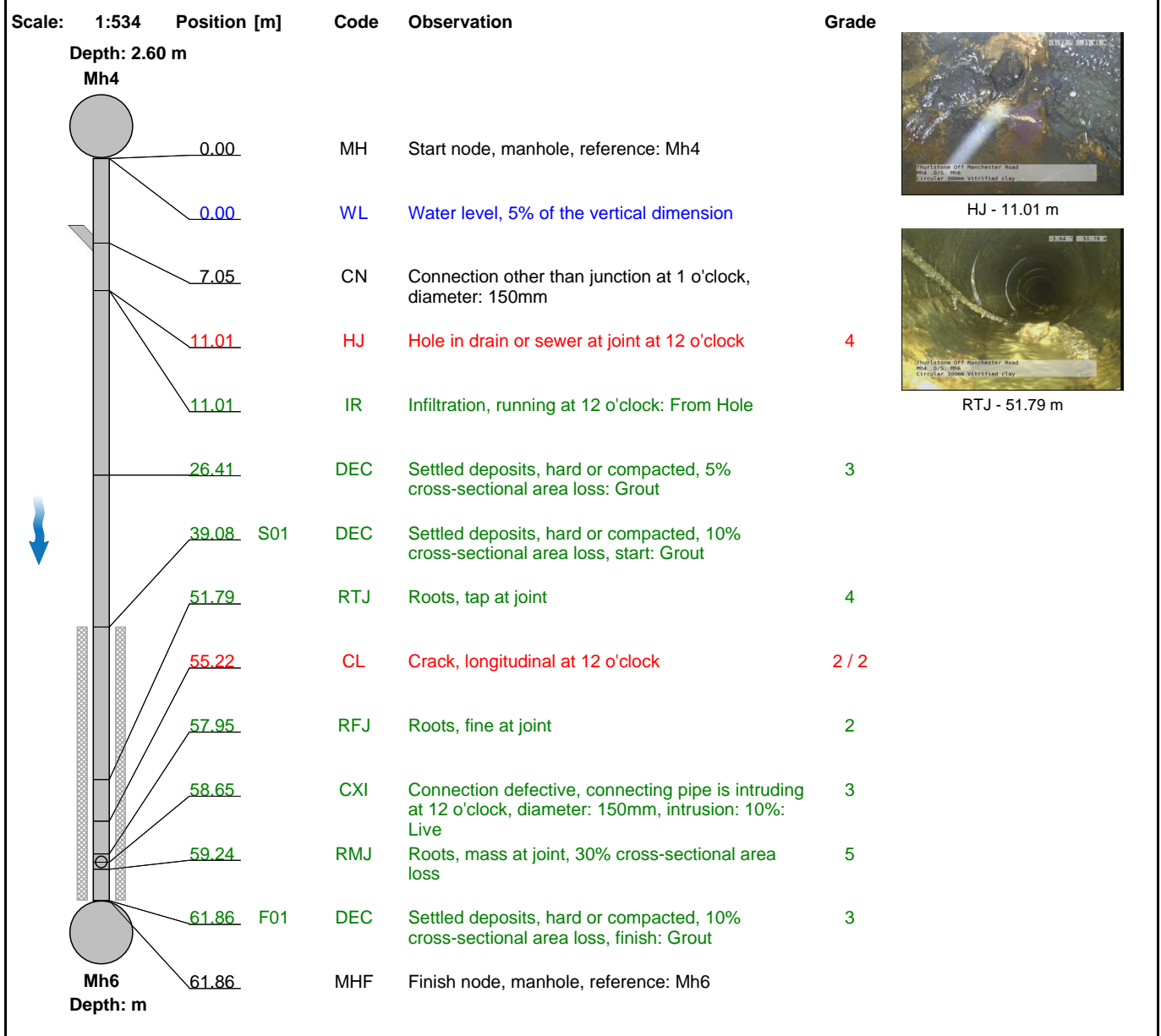
Mh4-UMh5-2-698.jpg, 00:04:01, 17.57 m
Pipe material changes to brick at this point

Section Inspection - 19/05/2021 - Mh4X

Item No. 5	Insp. No. 1	Date 19/05/21	Time 13:20	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR MH4X
Operator C.Chilton		Vehicle YH70 WXD		Camera Pan + Tilt Zoom	Preset Length 1.00 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Thurlstone	Inspection Direction:	Downstream	Upstream Node:	MH4
Road:	Off Manchester Road	Inspected Length:	61.86 m	Upstream Pipe Depth:	2.600 m
Location:	Property or buildings	Total Length:	61.86 m	Downstream Node:	MH6
Surface Type:	Concrete Highway	Joint Length:	1.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	300 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		80.0	8.2	90.0	4.0	7		12.0	6.1	67.0	5.0

Section Pictures - 19/05/2021 - Mh4X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
5	Downstream	MH4X		10008578



Mh4-DMh6-3-52642.jpg, 00:00:59, 11.01 m
Hole in drain or sewer at joint at 12 o'clock



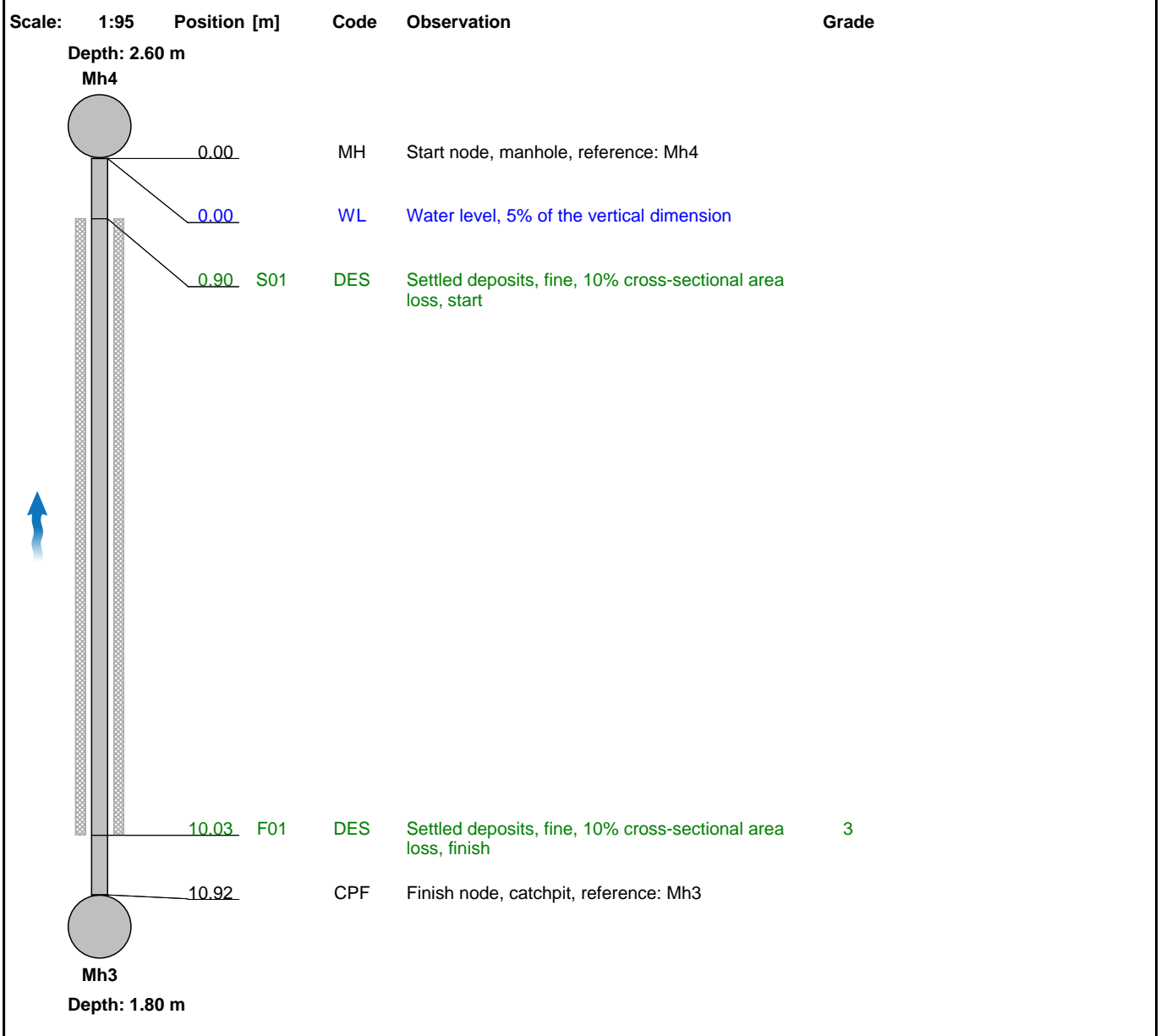
Mh4-DMh6-4-19649.jpg, 00:03:19, 51.79 m
Roots, tap at joint

Section Inspection - 19/05/2021 - Mh3X

Item No. 6	Insp. No. 1	Date 19/05/21	Time 13:35	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR MH3X
Operator C.Chilton		Vehicle YH70 WXD		Camera Pan + Tilt Zoom	Preset Length 0.90 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Thurlstone	Inspection Direction:	Upstream	Upstream Node:	MH3
Road:	Off Manchester Road	Inspected Length:	10.92 m	Upstream Pipe Depth:	1.800 m
Location:	Property or buildings	Total Length:	10.92 m	Downstream Node:	MH4
Surface Type:	Concrete Highway	Joint Length:	1.00 m	Downstream Pipe Depth:	2.600 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: CLICK TO OPEN THIS SECTION



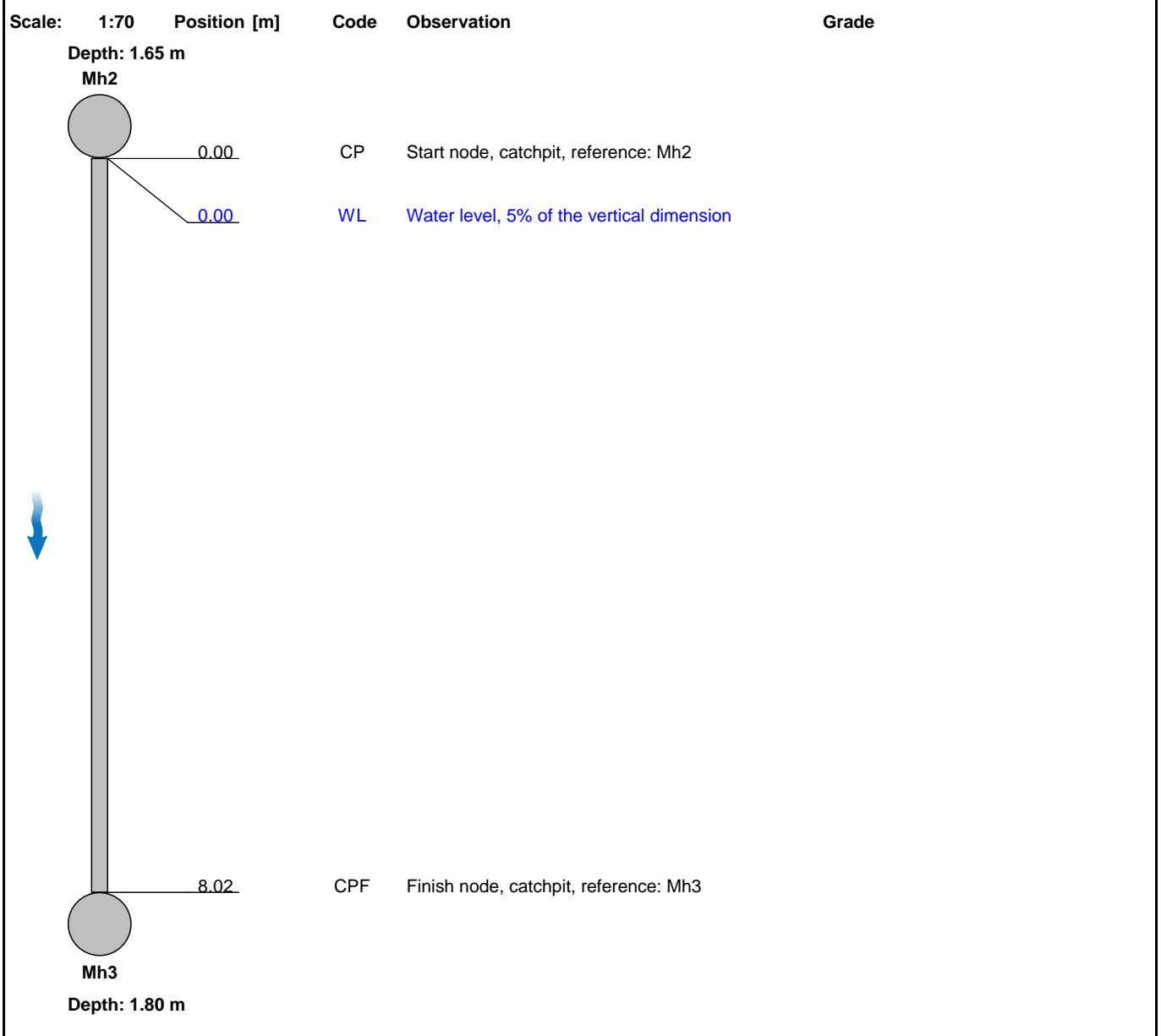
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	2.0	1.8	20.0	3.0

Section Inspection - 19/05/2021 - Mh2X

Item No. 7	Insp. No. 1	Date 19/05/21	Time 13:52	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR MH2X
Operator C.Chilton		Vehicle YH70 WXD		Camera Pan + Tilt Zoom	Preset Length 1.00 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Thurlstone	Inspection Direction:	Downstream	Upstream Node:	MH2
Road:	Off Manchester Road	Inspected Length:	8.02 m	Upstream Pipe Depth:	1.650 m
Location:	Property or buildings	Total Length:	8.02 m	Downstream Node:	MH3
Surface Type:	Concrete Highway	Joint Length:	3.00 m	Downstream Pipe Depth:	1.800 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	300 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: CLICK TO OPEN THIS SECTION




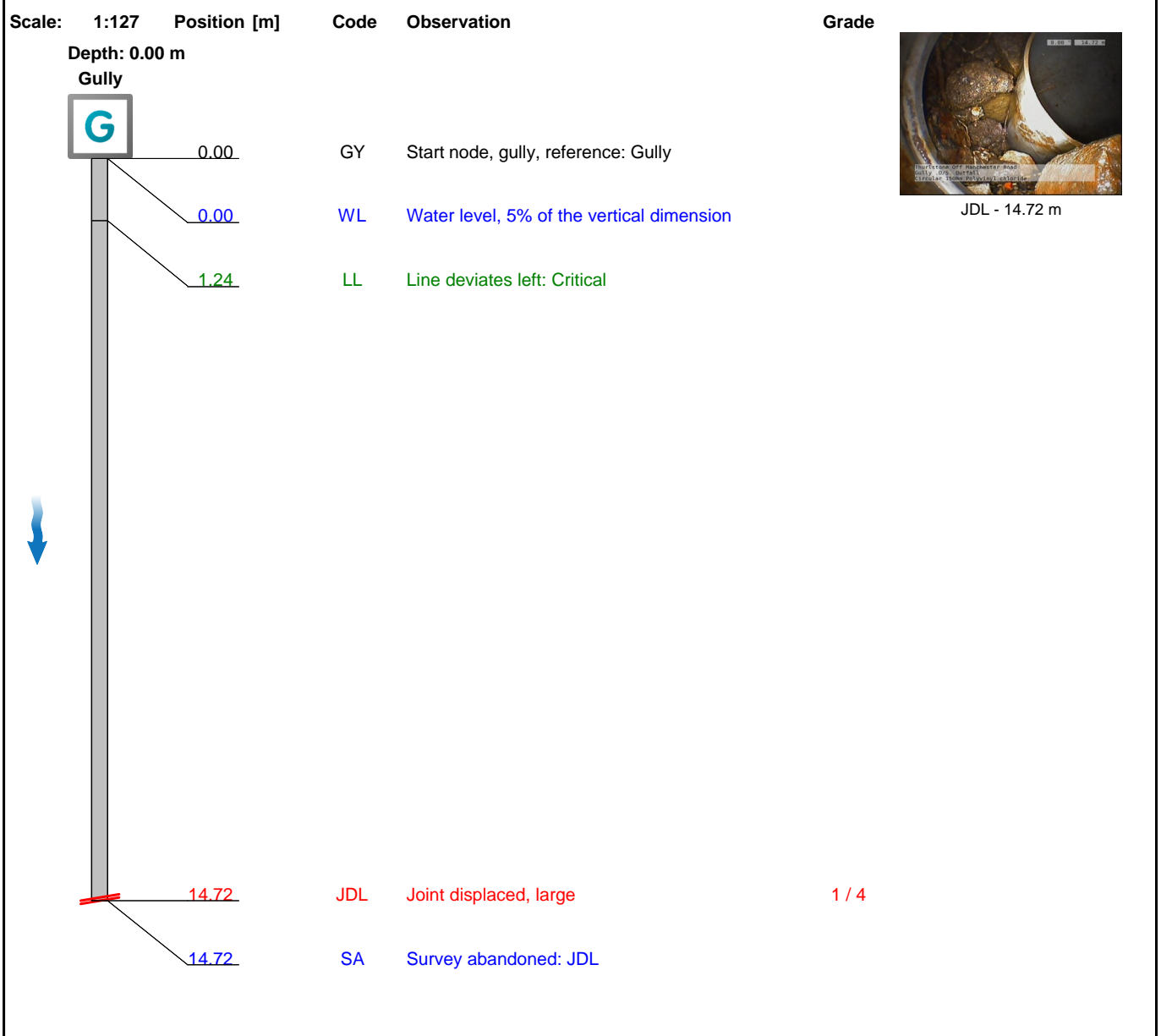
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 19/05/2021 - GullyX

Item No. 8	Insp. No. 1	Date 19/05/21	Time 14:50	Client's Job Ref Not Specified	Weather Rain	Pre Cleaned Yes	PLR GULLYX
Operator C.Chilton		Vehicle YH70 WXD		Camera Pushrod	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Thurlstone	Inspection Direction:	Downstream	Upstream Node:	GULLY
Road:	Off Manchester Road	Inspected Length:	14.72 m	Upstream Pipe Depth:	0.000 m
Location:	Property or buildings	Total Length:	14.72 m	Downstream Node:	OUTFALL
Surface Type:	Concrete Highway	Joint Length:	3.00 m	Downstream Pipe Depth:	0.000 m
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: CLICK TO OPEN THIS SECTION



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	2.0	0.1	2.0	1.0	1	5.0	0.3	5.0	4.0

Section Pictures - 19/05/2021 - GullyX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Downstream	GULLYX		10008578



Gully-DOutfall-5-29960.jpg, 00:01:10, 14.72 m
Joint displaced, large