



NorthWest
DrainServices

Inspection Report

Project Name: Upper Campfield
Start Date:
Client: T J M Projects Limited
Jackson Street
St Helens



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Upper Campfield		20/08/2024

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Project Information

Project Name
Upper Campfield

Project Number

Project Date
20/08/2024

Client

Company: T J M PROJECTS LIMITED
Department: UNIT 10 WESTSIDE INDUSTRIAL ESTATE
Street: JACKSON STREET
Town or City: ST HELENS
County: MERSEYSIDE
Post Code: WA9 3AT



Build + Create

Site

Department: Upper Campfield
Street: Liverpool Street
Town or City: Manchester
Post Code: M3 4FH

Contractor

Company: North West Drain Services Ltd
Street: Unit G10 Falcon mill
Town or City: Bolton
County: Greater Manchester
Post Code: BL1 8BL
Phone: 07756631110 / 07429611080
Email: drainservices@googlemail.com



Section Inspection - 19/08/2024 - UCREYEX

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
1	1	19/08/24	9:12	TJM Upper Campfield	No Rain Or Snow	No	UCREYEX
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Town or Village:	Mcr	Inspection Direction:	Downstream	Upstream Node:	UCREYE
Road:	Upper Campfield	Inspected Length:	16.31 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	16.31 m	Downstream Node:	EXMH5
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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:	1:142	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m UCREYE 0.00 0.00 0.81 2.88 16.31 EXMH5 Depth: m							
		0.00	RE	Start node, rodding eye, reference: UCREYE: UNCHARTED	00:00:01		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:03		
		0.81	DES	Settled deposits, fine, 60% cross-sectional area loss	00:00:33	1_0-81m_091653.jpg	4
		2.88	JN	Junction at 9 o'clock, 100mm dia: RWP INLET	00:00:55		
		16.31	MHF	Finish node, manhole, reference: MAIN: EXMH05	00:02:30		

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	8.0	0.5	8.0	4.0

Section Pictures - 19/08/2024 - UCREYEX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	UCREYEX	TJM Upper Campfield	



1_0-81m_091653.jpg, 00:00:33, 0.81 m
Settled deposits, fine, 60% cross-sectional area loss

Section Inspection - 19/08/2024 - RWP1X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
2	11	19/08/24	11:08	TJM Upper Campfield	No Rain Or Snow	No	RWP1X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Town or Village:	Mcr	Inspection Direction:	Downstream	Upstream Node:	RWP1
Road:	Upper Campfield	Inspected Length:	3.23 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	3.23 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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: m RWP1 0.00 0.00 0.00 0.64 2.29 3.23 MAIN Depth: m RE WL LD JDM JDM BRF Start node, rodding eye, reference: RWP1 Water level, 5% of the vertical dimension Line deviates down Joint displaced, medium Joint displaced, medium Finish node, major connection without manhole, reference: MAIN 00:00:01 00:00:01 00:00:02 00:00:13 00:00:26 00:00:46 11_0-64m_110914.jpg 11_2-29m_110934.jpg 1 / 3 1 / 3							

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
2	1.0	0.6	2.0	1.0	2	2.0	1.2	4.0	3.0

Section Pictures - 19/08/2024 - RWP1X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Downstream	RWP1X	TJM Upper Campfield	



11_0-64m_110914.jpg, 00:00:13, 0.64 m
Joint displaced, medium



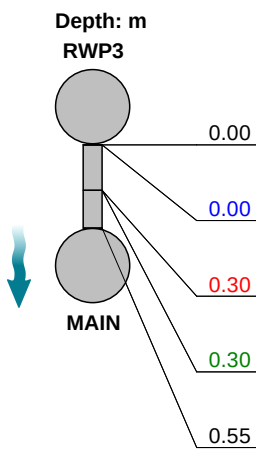
11_2-29m_110934.jpg, 00:00:26, 2.29 m
Joint displaced, medium

Section Inspection - 19/08/2024 - RWP3X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
3	3	19/08/24	9:48	TJM Upper Campfield	No Rain Or Snow	No	RWP3X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Town or Village:	Mcr	Inspection Direction:	Downstream	Upstream Node:	RWP3
Road:	Upper Campfield	Inspected Length:	0.55 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	0.55 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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
							
		0.00	RE	Start node, rodding eye, reference: RWP3	00:00:03		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:04		
		0.30	JDM	Joint displaced, medium	00:00:14	3_0-30m_095003.jpg	1 / 3
		0.30	LR	Line deviates right	00:00:16		
		0.55	BRF	Finish node, major connection without manhole, reference: MAIN	00:00:28		

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	1.8	1.0	1.0	1	2.0	3.6	2.0	4.0

Section Pictures - 19/08/2024 - RWP3X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
3	Downstream	RWP3X	TJM Upper Campfield	



3_0-30m_095003.jpg, 00:00:14, 0.30 m
Joint displaced, medium

Section Inspection - 19/08/2024 - RWP5X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
4	4	19/08/24	10:08	TJM Upper Campfield	No Rain Or Snow	No	RWP5X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Town or Village:	Mcr	Inspection Direction:	Downstream	Upstream Node:	RWP5
Road:	Upper Campfield	Inspected Length:	6.45 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	6.45 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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:	1:56	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m RWP5 0.00 0.00 0.00 1.82 3.43 3.76 4.44 6.18 6.20 6.45 MAIN Depth: m							
		0.00	REM	General remark: Broken Access Lid Requires Replacement		RWP5X_5 599972a-8 60a-463b-	
		0.00	RE	Start node, rodding eye, reference: RWP5	00:00:01		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
		1.82	JDM	Joint displaced, medium	00:00:16	4_1-82m_ 100933.jp g	1 / 3
		3.43	JDM	Joint displaced, medium	00:00:29	4_3-43m_ 100952.jp g	1 / 3
		3.76	JDM	Joint displaced, medium	00:00:34	4_3-76m_ 101002.jp g	1 / 3
		4.44	JDM	Joint displaced, medium	00:00:41	4_4-44m_ 101015.jp g	1 / 3
		6.18	OJL	Open joint, large	00:00:52	4_6-18m_ 101035.jp g	1
		6.20	LD	Line deviates down	00:00:54		
		6.45	BRF	Finish node, major connection without manhole, reference: MAIN	00:01:00		

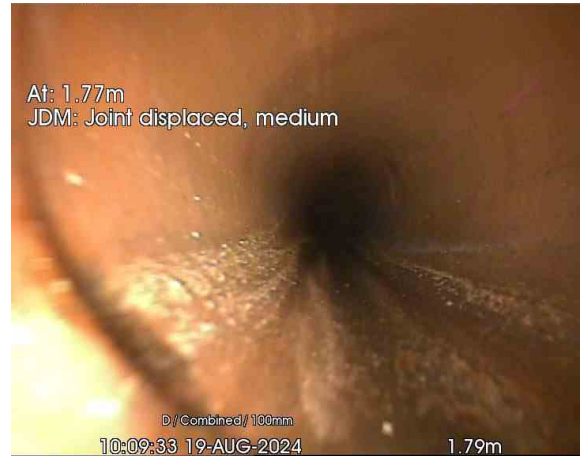
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
5	2.0	0.9	6.0	1.0	4	2.0	1.2	8.0	3.0

Section Pictures - 19/08/2024 - RWP5X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Downstream	RWP5X	TJM Upper Campfield	



RWP5X_5599972a-860a-463b-8a4b-9bf7521c9f5e_20240905_103716.jpg, 0.00 m
General remark, Broken Access Lid Requires Replacement



At: 1.77m
JDM: Joint displaced, medium
D:/Combined/100mm
10:09:33 19-AUG-2024 1.79m
4_1-82m_100933.jpg, 00:00:16, 1.82 m
Joint displaced, medium



At: 3.38m
JDM: Joint displaced, medium
D:/Combined/100mm
10:09:52 19-AUG-2024 3.40m
4_3-43m_100952.jpg, 00:00:29, 3.43 m
Joint displaced, medium



At: 3.74m
JDM: Joint displaced, medium
D:/Combined/100mm
10:10:02 19-AUG-2024 3.76m
4_3-76m_101002.jpg, 00:00:34, 3.76 m
Joint displaced, medium

Section Pictures - 19/08/2024 - RWP5X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Downstream	RWP5X	TJM Upper Campfield	



4_4-44m_101015.jpg, 00:00:41, 4.44 m
Joint displaced, medium



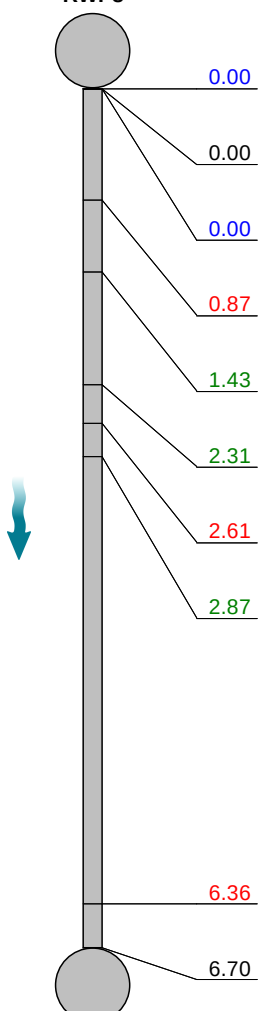
4_6-18m_101035.jpg, 00:00:52, 6.18 m
Open joint, large

Section Inspection - 19/08/2024 - RWP8X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
5	5	19/08/24	10:30	TJM Upper Campfield	No Rain Or Snow	No	RWP8X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Town or Village:	Mcr	Inspection Direction:	Downstream	Upstream Node:	RWP8
Road:	Upper Campfield	Inspected Length:	6.70 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	6.70 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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:	1:59	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m RWP8  Diagram details: The diagram shows a vertical pipe section. On the left, a blue arrow points downwards. Depth markers are indicated on the right side of the pipe: 0.00, 0.00, 0.00, 0.87, 1.43, 2.31, 2.61, 2.87, 6.36, and 6.70. Observations are listed in the table to the right of the diagram.							
		0.00	REM	General remark: Broken Access Cover Needs Replacement		RWP8X_a d5343f8-c d06-4858-	
		0.00	RE	Start node, rodding eye, reference: RWP8	00:00:01		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
		0.87	JDM	Joint displaced, medium	00:00:16	5_0-87m_ 103137.jp g	1 / 3
		1.43	DES	Settled deposits, fine, 15% cross-sectional area loss	00:00:21		3
		2.31	DES	Settled deposits, fine, 30% cross-sectional area loss	00:00:29	5_2-31m_ 103206.jp g	4
		2.61	JDM	Joint displaced, medium	00:00:35	5_2-61m_ 103218.jp g	1 / 3
		2.87	LR	Line deviates right	00:00:39		
		6.36	OJM	Open joint, medium	00:01:11	5_6-36m_ 103312.jp g	1
		6.70	BRF	Finish node, major connection without manhole, reference: MAIN	00:01:16		
MAIN Depth: m							

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
3	1.0	0.4	3.0	1.0	4	5.0	1.6	11.0	4.0

Section Pictures - 19/08/2024 - RWP8X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
5	Downstream	RWP8X	TJM Upper Campfield	



RWP8X_ad5343f8-cd06-4858-a02e-798d3058c832_2024090
5_113446.jpg, 0.00 m
General remark, Broken Access Cover Needs Replacement



5_0-87m_103137.jpg, 00:00:16, 0.87 m
Joint displaced, medium



5_2-31m_103206.jpg, 00:00:29, 2.31 m
Settled deposits, fine, 30% cross-sectional area loss



5_2-61m_103218.jpg, 00:00:35, 2.61 m
Joint displaced, medium

Section Pictures - 19/08/2024 - RWP8X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
5	Downstream	RWP8X	TJM Upper Campfield	



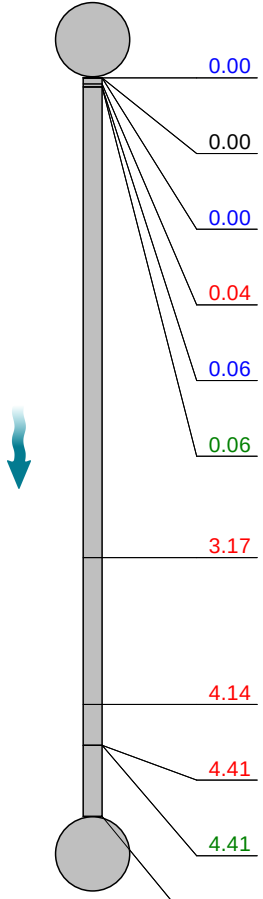
5_6-36m_103312.jpg, 00:01:11, 6.36 m
Open joint, medium

Section Inspection - 19/08/2024 - RWP10X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
6	6	19/08/24	10:34	TJM Upper Campfield	No Rain Or Snow	No	RWP10X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Town or Village:	Mcr	Inspection Direction:	Downstream	Upstream Node:	RWP10
Road:	Upper Campfield	Inspected Length:	4.88 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	4.88 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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: m RWP10  0.00 0.00 0.00 0.04 0.06 0.06 3.17 4.14 4.41 4.41 4.88 MAIN Depth: m							
		0.00	REM	General remark: Broken Access Cover Needs Replacement		RWP10X_5029c86c-830b-4f51-	
		0.00	RE	Start node, rodding eye, reference: RWP10	00:00:02		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
		0.04	JDL	Joint displaced, large	00:00:09		1 / 4
		0.06	GP	General photograph taken at this point	00:00:11	6_0-06m_103559.jpg	
		0.06	LL	Line deviates left	00:00:12		
		3.17	CC	Crack, circumferential at 12 o'clock	00:00:42	6_3-17m_103640.jpg	2 / 2
		4.14	CC	Crack, circumferential from 2 o'clock to 10 o'clock	00:00:52	6_4-14m_103702.jpg	2 / 2
		4.41	OJM	Open joint, medium	00:00:56	6_4-41m_103711.jpg	1
		4.41	LD	Line deviates down	00:00:58		
		4.88	BRF	Finish node, major connection without manhole, reference: MAIN	00:01:03		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
4	10.0	4.7	23.0	2.0	3	5.0	1.4	7.0	4.0

Section Pictures - 19/08/2024 - RWP10X

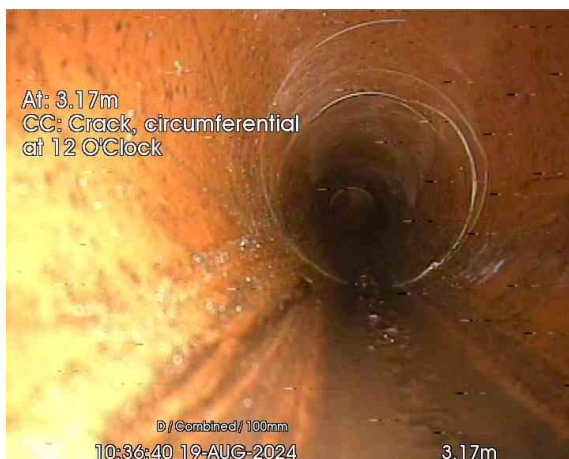
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
6	Downstream	RWP10X	TJM Upper Campfield	



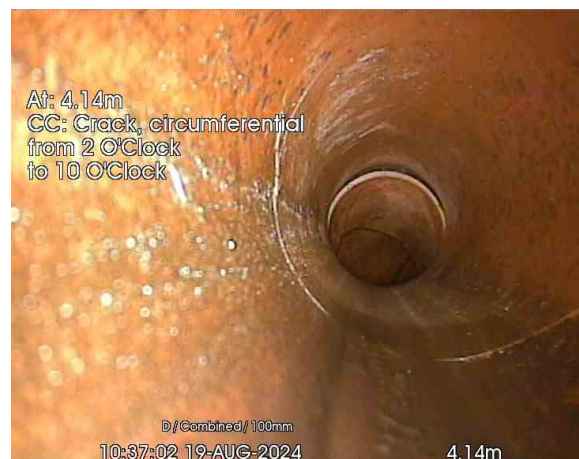
RWP10X_5029c86c-830b-4f51-9694-0b2e8bad07b9_20240905_113458.jpg, 0.00 m
General remark, Broken Access Cover Needs Replacement



6_0-06m_103559.jpg, 00:00:11, 0.06 m
General photograph taken at this point



6_3-17m_103640.jpg, 00:00:42, 3.17 m
Crack, circumferential at 12 o'clock



6_4-14m_103702.jpg, 00:00:52, 4.14 m
Crack, circumferential from 2 o'clock to 10 o'clock

Section Pictures - 19/08/2024 - RWP10X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
6	Downstream	RWP10X	TJM Upper Campfield	



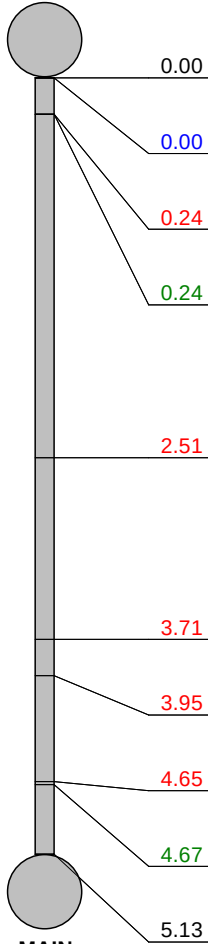
6_4-41m_103711.jpg, 00:00:56, 4.41 m
Open joint, medium

Section Inspection - 19/08/2024 - RWP11X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
7	7	19/08/24	10:41	TJM Upper Campfield	No Rain Or Snow	No	RWP11X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Town or Village:	Mcr	Inspection Direction:	Downstream	Upstream Node:	RWP11
Road:	Upper Campfield	Inspected Length:	5.13 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	5.13 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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: m RWP11 							
	0.00	RE	Start node, rodding eye, reference: RWP11		00:00:01		
	0.00	WL	Water level, 5% of the vertical dimension		00:00:01		
	0.24	JDM	Joint displaced, medium		00:00:06	7_0-24m_104242.jpg	1 / 3
	0.24	LR	Line deviates right		00:00:09		
	2.51	CC	Crack, circumferential from 11 o'clock to 5 o'clock		00:00:27	7_2-51m_104314.jpg	2 / 2
	3.71	FC	Fracture, circumferential from 1 o'clock to 4 o'clock		00:00:40	7_3-71m_104336.jpg	3 / 2
	3.95	FC	Fracture, circumferential at 12 o'clock		00:00:48	7_3-95m_104350.jpg	3 / 2
	4.65	OJM	Open joint, medium		00:01:03	7_4-65m_104411.jpg	1
	4.67	LD	Line deviates down		00:01:05		
	5.13	BRF	Finish node, major connection without manhole, reference: MAIN		00:01:09		
MAIN Depth: m							

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
5	40.0	17.9	92.0	3.0	4	2.0	1.0	5.0	3.0

Section Pictures - 19/08/2024 - RWP11X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
7	Downstream	RWP11X	TJM Upper Campfield	



7_0-24m_104242.jpg, 00:00:06, 0.24 m
Joint displaced, medium



7_2-51m_104314.jpg, 00:00:27, 2.51 m
Crack, circumferential from 11 o'clock to 5 o'clock



7_3-71m_104336.jpg, 00:00:40, 3.71 m
Fracture, circumferential from 1 o'clock to 4 o'clock



7_3-95m_104350.jpg, 00:00:48, 3.95 m
Fracture, circumferential at 12 o'clock

Section Pictures - 19/08/2024 - RWP11X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
7	Downstream	RWP11X	TJM Upper Campfield	



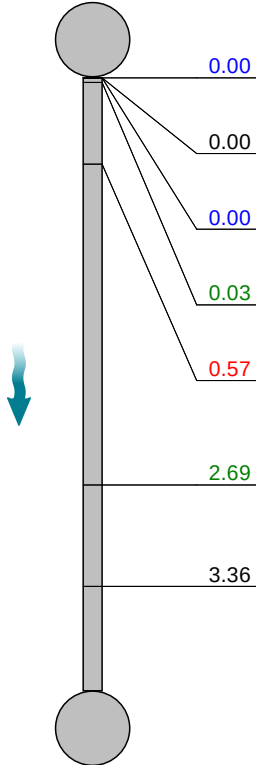
7_4-65m_104411.jpg, 00:01:03, 4.65 m
Open joint, medium

Section Inspection - 19/08/2024 - RWP13X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
8	9	19/08/24	11:02	TJM Upper Campfield	No Rain Or Snow	No	RWP13X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Not Specified	1

Town or Village:	Mcr	Inspection Direction:	Downstream	Upstream Node:	RWP13
Road:	Upper Campfield	Inspected Length:	3.36 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	4.05 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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: m RWP13 							
	0.00	REM	General remark: Broken Access Cover Needs Replacement			RWP13X_91cde4ee-e51f-48cb-	
	0.00	RE	Start node, rodding eye, reference: RWP13			00:00:02	
	0.00	WL	Water level, 5% of the vertical dimension			00:00:03	
	0.03	LR	Line deviates right			00:00:06	
	0.57	BJ	Broken pipe at joint from 12 o'clock to 5 o'clock			00:00:20	9_0-57m_110345.jpg
	2.69	LL	Line deviates left			00:00:41	
	3.36	BRF	Finish node, major connection without manhole, reference: MAIN			00:00:48	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	80.0	19.8	80.0	4.0	0	0.0	0.0	0.0	1.0

Section Pictures - 19/08/2024 - RWP13X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Downstream	RWP13X	TJM Upper Campfield	



RWP13X_91cde4ee-e51f-48cb-b6a5-6c27560fd97b_20240905_113519.jpg, 0.00 m
General remark, Broken Access Cover Needs Replacement



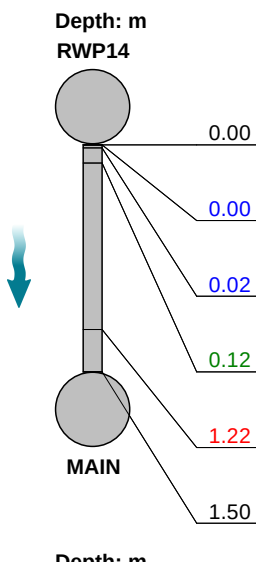
9_0-57m_110345.jpg, 00:00:20, 0.57 m
Broken pipe at joint from 12 o'clock to 5 o'clock

Section Inspection - 19/08/2024 - RWP14X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
9	10	19/08/24	11:05	TJM Upper Campfield	No Rain Or Snow	No	RWP14X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Town or Village:	Mcr	Inspection Direction:	Downstream	Upstream Node:	RWP14
Road:	Upper Campfield	Inspected Length:	1.50 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	1.50 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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
							
		0.00	RE	Start node, rodding eye, reference: RWP14	00:00:00		
		0.00	REM	General remark: Broken Access Cover Needs Replacement		RWP14X_2ad96ba6-5eff-4e72-	
		0.02	WL	Water level, 5% of the vertical dimension	00:00:01		
		0.12	LL	Line deviates left	00:00:06		
		1.22	JDM	Joint displaced, medium	00:00:15	10_1-22m_110648.jpg	1 / 3
		1.50	BRF	Finish node, major connection without manhole, reference: MAIN	00:00:17		

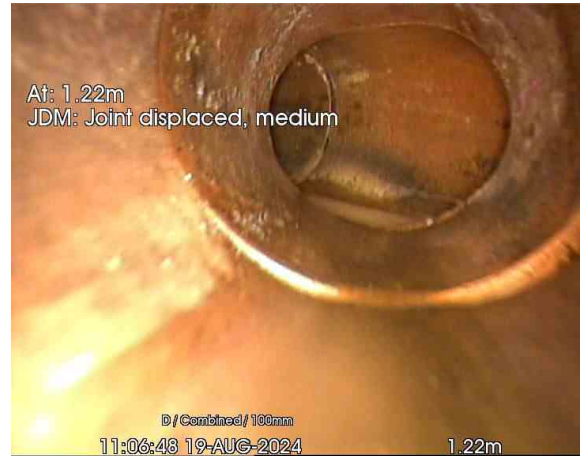
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	1.0	0.7	1.0	1.0	1	2.0	1.3	2.0	3.0

Section Pictures - 19/08/2024 - RWP14X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
9	Downstream	RWP14X	TJM Upper Campfield	



RWP14X_2ad96ba6-5eff-4e72-90f0-200b78f6413f_20240905_113532.jpg, 0.00 m
General remark, Broken Access Cover Needs Replacement



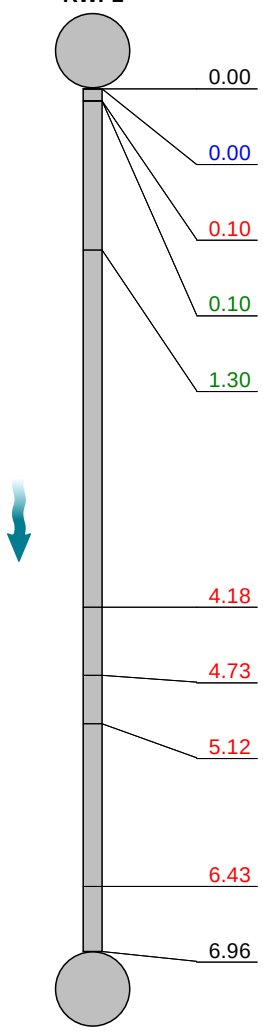
At: 1.22m
JDM: Joint displaced, medium
D/Combined/100mm
11:06:48 19-AUG-2024
10_1-22m_110648.jpg, 00:00:15, 1.22 m
Joint displaced, medium

Section Inspection - 19/08/2024 - RWP2X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
10	12	19/08/24	11:10	TJM Upper Campfield	No Rain Or Snow	No	RWP2X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Town or Village:	Mcr	Inspection Direction:	Downstream	Upstream Node:	RWP2
Road:	Upper Campfield	Inspected Length:	6.96 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	6.96 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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:	1:61	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m RWP2  0.00 0.00 0.10 0.10 1.30 4.18 4.73 5.12 6.43 6.96 MAIN Depth: m							
		0.00	RE	Start node, rodding eye, reference: RWP2	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
		0.10	JDM	Joint displaced, medium	00:00:05		1 / 3
		0.10	LL	Line deviates left	00:00:06	12_0-10m_111140.jpg	
		1.30	DES	Settled deposits, fine, 15% cross-sectional area loss	00:00:19	12_1-30m_111202.jpg	3
		4.18	FC	Fracture, circumferential at 12 o'clock	00:00:47	12_4-18m_111237.jpg	3 / 2
		4.73	CC	Crack, circumferential from 3 o'clock to 9 o'clock	00:01:00	12_4-73m_111257.jpg	2 / 2
		5.12	JDM	Joint displaced, medium	00:01:06	12_5-12m_111308.jpg	1 / 3
		6.43	OJM	Open joint, medium	00:01:18	12_6-43m_111326.jpg	1
		6.96	BRF	Finish node, major connection without manhole, reference: MAIN	00:01:22		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
5	40.0	7.6	53.0	3.0	5	2.0	1.1	8.0	3.0

Section Pictures - 19/08/2024 - RWP2X

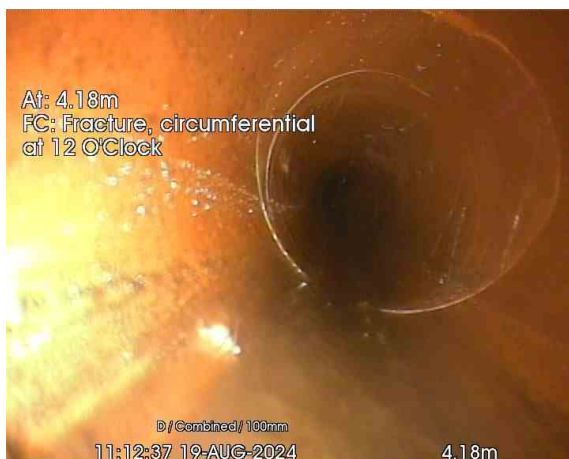
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
10	Downstream	RWP2X	TJM Upper Campfield	



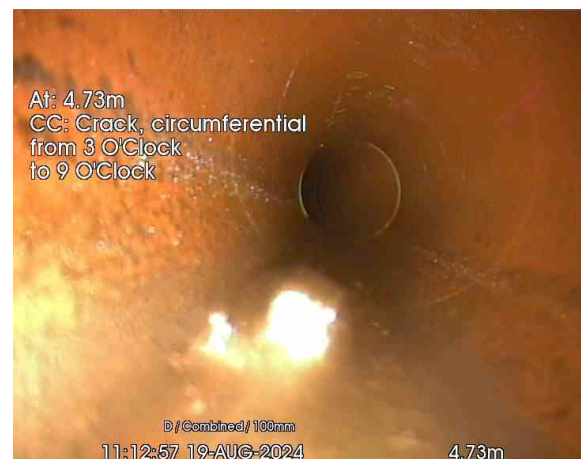
12_0-10m_111140.jpg, 00:00:06, 0.10 m
Line deviates left



12_1-30m_111202.jpg, 00:00:19, 1.30 m
Settled deposits, fine, 15% cross-sectional area loss



12_4-18m_111237.jpg, 00:00:47, 4.18 m
Fracture, circumferential at 12 o'clock



12_4-73m_111257.jpg, 00:01:00, 4.73 m
Crack, circumferential from 3 o'clock to 9 o'clock

Section Pictures - 19/08/2024 - RWP2X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
10	Downstream	RWP2X	TJM Upper Campfield	



12_5-12m_111308.jpg, 00:01:06, 5.12 m
Joint displaced, medium



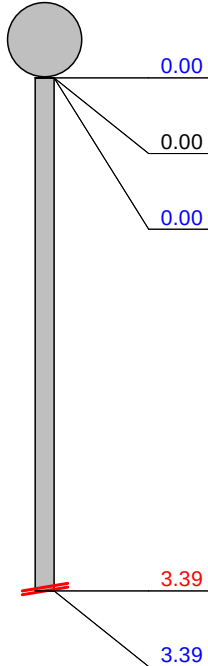
12_6-43m_111326.jpg, 00:01:18, 6.43 m
Open joint, medium

Section Inspection - 19/08/2024 - RWP4X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
11	13	19/08/24	11:15	TJM Upper Campfield	No Rain Or Snow	No	RWP4X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Town or Village:	Mcr	Inspection Direction:	Downstream	Upstream Node:	RWP4
Road:	Upper Campfield	Inspected Length:	3.39 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	3.39 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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: m RWP4 							
		0.00	REM	General remark: Broken Access Lid Requires Replacement		RWP4X_1 4e26aba-f e25-430a-	
		0.00	RE	Start node, rodding eye, reference: RWP4	00:00:04		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:05		
		3.39	XP	Collapsed drain or sewer: LINE APPEARS TO BE COLLAPSED	00:00:51	13_3-39m _111700.j pg	1
		3.39	SA	Survey abandoned: DUE TO SUSPECTED COLLAPSED	00:00:55		

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	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 19/08/2024 - RWP4X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
11	Downstream	RWP4X	TJM Upper Campfield	



RWP4X_14e26aba-fe25-430a-8fea-baaf2b465467_20240905_113613.jpg, 0.00 m
General remark, Broken Access Lid Requires Replacement



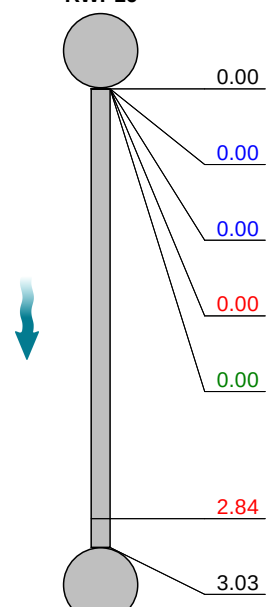
13_3-39m_111700.jpg, 00:00:51, 3.39 m
Collapsed drain or sewer, LINE APPEARS TO BE COLLAPSED

Section Inspection - 19/08/2024 - RWP16X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
12	14	19/08/24	12:42	TJM Upper Campfield	No Rain Or Snow	No	RWP16X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Town or Village:	Mcr	Inspection Direction:	Downstream	Upstream Node:	RWP16
Road:	Upper Campfield	Inspected Length:	3.03 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	3.03 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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: m RWP16 							
		0.00	RE	Start node, rodding eye, reference: RWP16	00:00:00		
		0.00	REM	General remark: Broken Access Lid Requires Replacement		RWP16X_c5d723e4-e0a0-48a6	
		0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
		0.00	OJM	Open joint, medium	00:00:07	14_0-00m_124323.jpg	1
		0.00	LL	Line deviates left	00:00:08		
		2.84	JDM	Joint displaced, medium	00:00:30	14_2-84m_124355.jpg	1 / 3
		3.03	BRF	Finish node, major connection without manhole, reference: MAIN	00:00:34		

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	1	2.0	0.7	2.0	3.0

Section Pictures - 19/08/2024 - RWP16X

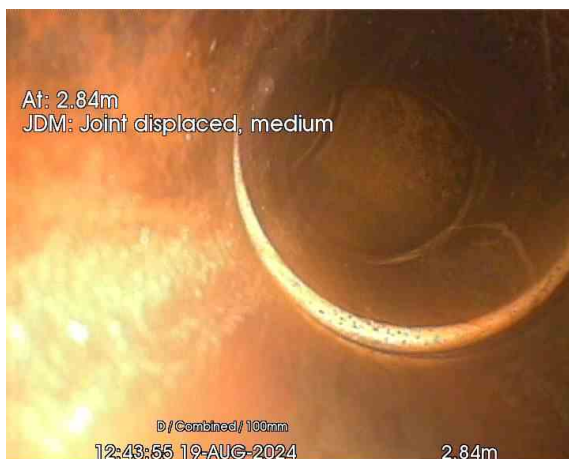
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
12	Downstream	RWP16X	TJM Upper Campfield	



RWP16X_c5d723e4-e0a0-48a6-a805-8d378c865f74_20240905_114107.jpg, 0.00 m
General remark, Broken Access Lid Requires Replacement



At: 0.00m
OJM: Open joint, medium
D//Combined/ 100mm
12:43:23 19-AUG-2024 0.00m
14_0-00m_124323.jpg, 00:00:07, 0.00 m
Open joint, medium



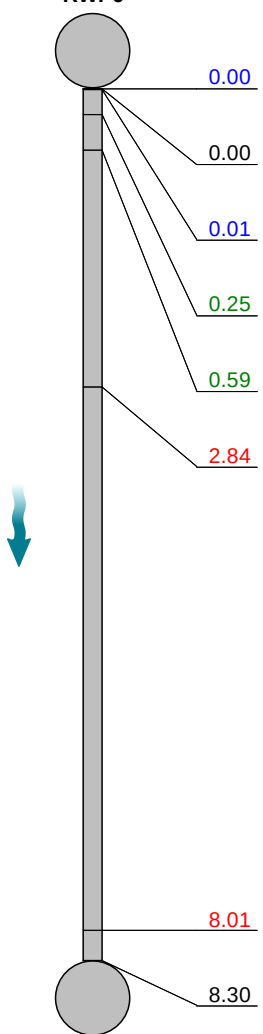
At: 2.84m
JDM: Joint displaced, medium
D//Combined/ 100mm
12:43:55 19-AUG-2024 2.84m
14_2-84m_124355.jpg, 00:00:30, 2.84 m
Joint displaced, medium

Section Inspection - 19/08/2024 - RWP6X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
13	15	19/08/24	12:50	TJM Upper Campfield	No Rain Or Snow	No	RWP6X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Town or Village:	Mcr	Inspection Direction:	Downstream	Upstream Node:	RWP6
Road:	Upper Campfield	Inspected Length:	8.30 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	8.30 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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:	1:72	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m RWP6  0.00 0.00 0.01 0.25 0.59 2.84 8.01 8.30 MAIN Depth: m							
		0.00	REM	General remark: Broken Access Lid Requires Replacement		RWP6X_2 7b0f978-2 436-42f0-8	
		0.00	RE	Start node, rodding eye, reference: RWP6	00:00:01		
		0.01	WL	Water level, 5% of the vertical dimension	00:00:01		
		0.25	LL	Line deviates left	00:00:04		
		0.59	LD	Line deviates down	00:00:13		
		2.84	JDM	Joint displaced, medium	00:00:32	15_2-84m _125112.j pg	1 / 3
		8.01	OJM	Open joint, medium	00:01:01	15_8-01m _125153.j pg	1
		8.30	BRF	Finish node, major connection without manhole, reference: MAIN	00:01:06		

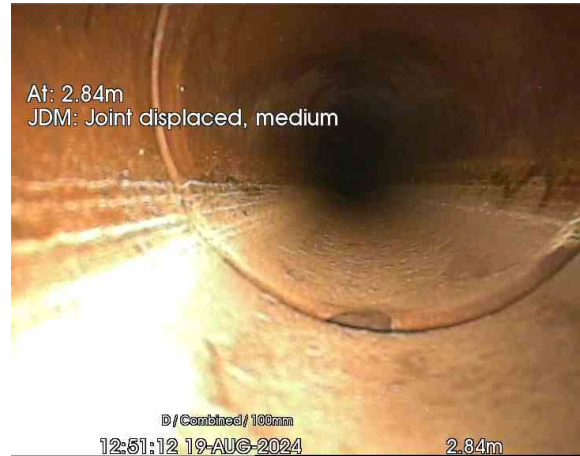
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
2	1.0	0.2	2.0	1.0	1	2.0	0.2	2.0	3.0

Section Pictures - 19/08/2024 - RWP6X

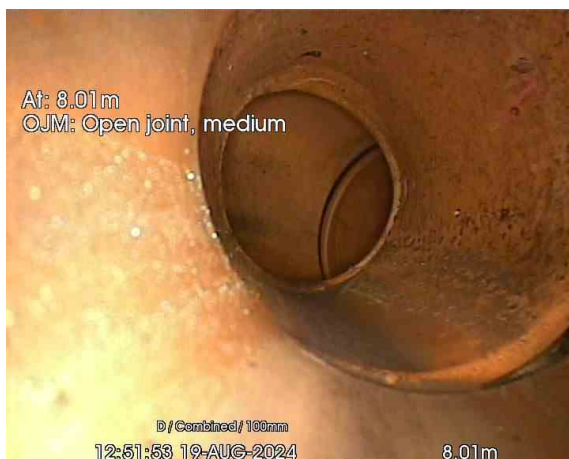
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
13	Downstream	RWP6X	TJM Upper Campfield	



RWP6X_27b0f978-2436-42f0-810a-20b1eb942aa4_20240905_114227.jpg, 0.00 m
General remark, Broken Access Lid Requires Replacement



15_2-84m_125112.jpg, 00:00:32, 2.84 m
Joint displaced, medium



15_8-01m_125153.jpg, 00:01:01, 8.01 m
Open joint, medium

Section Inspection - 19/08/2024 - RWP17X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
14	16	19/08/24	12:54	TJM Upper Campfield	No Rain Or Snow	No	RWP17X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Town or Village:	Mcr	Inspection Direction:	Downstream	Upstream Node:	RWP17
Road:	Upper Campfield	Inspected Length:	5.13 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	5.13 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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: m RWP17 0.00 0.00 0.00 1.61 4.19 4.47 5.13 MAIN Depth: m							
		0.00	RE	Start node, rodding eye, reference: RWP17	00:00:00		
		0.00	REM	General remark: Broken Access Lid Requires Replacement		RWP17X_907a7d9f-f82-4447-b	
		0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
		1.61	JDM	Joint displaced, medium	00:00:18	16_1-61m_125653.jpg	1 / 3
		4.19	CC	Crack, circumferential from 4 o'clock to 8 o'clock	00:00:49	16_4-19m_125735.jpg	2 / 2
		4.47	JDM	Joint displaced, medium	00:00:55	16_4-47m_125747.jpg	1 / 3
		5.13	BRF	Finish node, major connection without manhole, reference: MAIN	00:01:04		

Construction Features

Miscellaneous Features

Structural Defects

Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
3	10.0	2.3	12.0	2.0	3	2.0	1.0	5.0	3.0

Section Pictures - 19/08/2024 - RWP17X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
14	Downstream	RWP17X	TJM Upper Campfield	



RWP17X_907a7d9f-ff82-4447-b876-72ac78f6b15f_20240905_114840.jpg, 0.00 m
General remark, Broken Access Lid Requires Replacement



16_1-61m_125653.jpg, 00:00:18, 1.61 m
Joint displaced, medium



16_4-19m_125735.jpg, 00:00:49, 4.19 m
Crack, circumferential from 4 o'clock to 8 o'clock



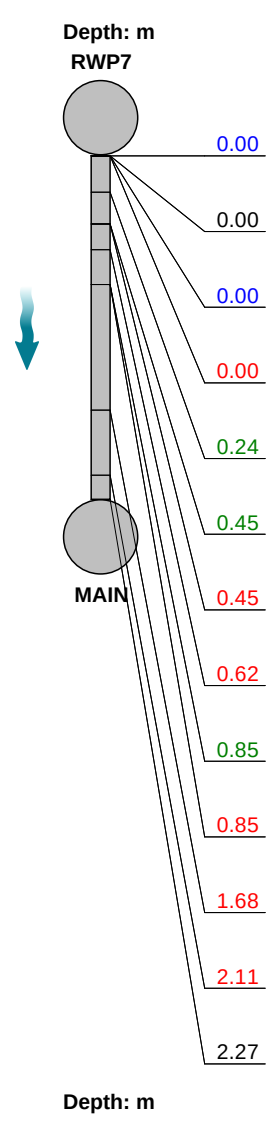
16_4-47m_125747.jpg, 00:00:55, 4.47 m
Joint displaced, medium

Section Inspection - 19/08/2024 - RWP7X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
15	17	19/08/24	13:03	TJM Upper Campfield	No Rain Or Snow	No	RWP7X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Town or Village:	Mcr	Inspection Direction:	Downstream	Upstream Node:	RWP7
Road:	Upper Campfield	Inspected Length:	2.27 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	2.27 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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
							
		0.00	REM	General remark: Broken Access Lid Requires Replacement		RWP7X_a 4eca916-7 136-412f-b	
		0.00	RE	Start node, rodding eye, reference: RWP7	00:00:03		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:03		
		0.00	OJM	Open joint, medium	00:00:05	17_0-00m _130419.j pg	1
		0.24	LD	Line deviates down	00:00:09		
		0.45	LR	Line deviates right	00:00:13		
		0.45	JDM	Joint displaced, medium	00:00:15	17_0-45m _130440.j pg	1 / 3
		0.62	JDM	Joint displaced, medium	00:00:20	17_0-62m _130451.j pg	1 / 3
		0.85	LL	Line deviates left	00:00:24		
		0.85	JDM	Joint displaced, medium	00:00:26	17_0-85m _130504.j pg	1 / 3
		1.68	JDM	Joint displaced, medium	00:00:33	17_1-68m _130517.j pg	1 / 3
		2.11	OJM	Open joint, medium	00:00:37	17_2-11m _130528.j pg	1
		2.27	BRF	Finish node, major connection without manhole, reference: MAIN	00:00:40		

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
6	1.0	2.6	6.0	1.0	4	2.0	3.5	8.0	4.0

Section Pictures - 19/08/2024 - RWP7X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
15	Downstream	RWP7X	TJM Upper Campfield	



RWP7X_a4eca916-7136-412f-b775-93861f9280f0_20240905_114853.jpg, 0.00 m
General remark, Broken Access Lid Requires Replacement



17_0-00m_130419.jpg, 00:00:05, 0.00 m
Open joint, medium



17_0-45m_130440.jpg, 00:00:15, 0.45 m
Joint displaced, medium



17_0-62m_130451.jpg, 00:00:20, 0.62 m
Joint displaced, medium

Section Pictures - 19/08/2024 - RWP7X

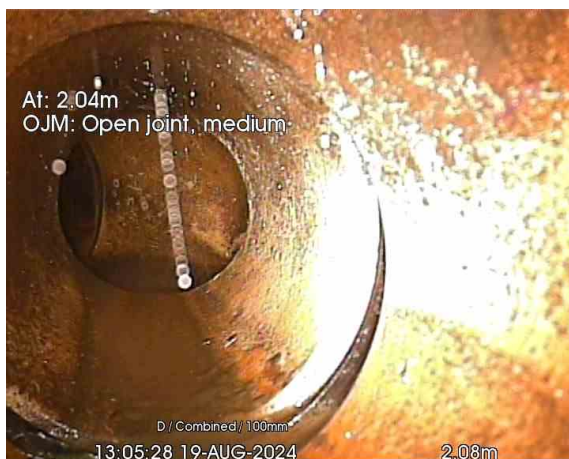
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
15	Downstream	RWP7X	TJM Upper Campfield	



17_0-85m_130504.jpg, 00:00:26, 0.85 m
Joint displaced, medium



17_1-68m_130517.jpg, 00:00:33, 1.68 m
Joint displaced, medium



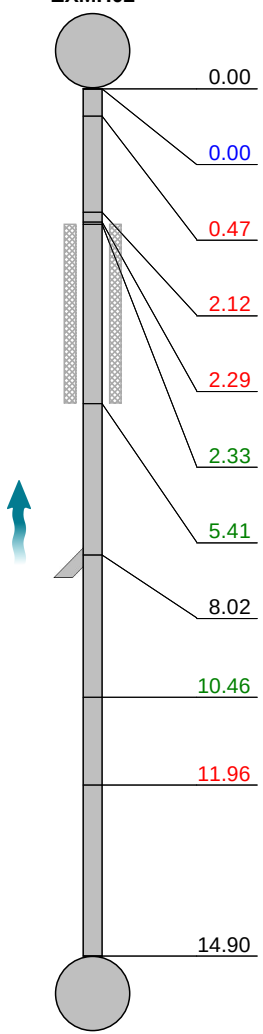
17_2-11m_130528.jpg, 00:00:37, 2.11 m
Open joint, medium

Section Inspection - 19/08/2024 - EXMH04X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
16	18	19/08/24	14:40	TJM Upper Campfield	No Rain Or Snow	No	EXMH04X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Town or Village:	Mcr	Inspection Direction:	Upstream	Upstream Node:	EXMH04
Road:	Upper Campfield	Inspected Length:	14.90 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	14.90 m	Downstream Node:	EXMH02
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

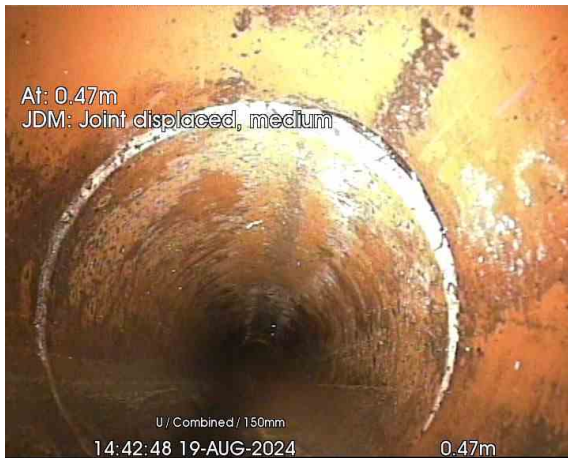
Comments:
Recommendations:

Scale: 1:130	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m EXMH02 						
	0.00	MH	Start node, manhole, reference: EXMH02	00:00:01		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
	0.47	JDM	Joint displaced, medium	00:00:07	18_0-47m_144248.j pg	1 / 3
	2.12	JDM	Joint displaced, medium	00:00:17	18_2-12m_144306.j pg	1 / 3
	2.29	CLJ	Crack, longitudinal at joint at 1 o'clock	00:00:22	18_2-29m_144320.j pg	2 / 2
	2.33	S01	Settled deposits, other, 20% cross-sectional area loss, start: DEBRIS	00:00:24	18_2-33m_144345.j pg	
	5.41	F01	Settled deposits, other, 20% cross-sectional area loss, finish: DEBRIS	00:00:45		4
	8.02	JN	Junction at 3 o'clock, 100mm dia	00:01:05		
	10.46	DEX	Settled deposits, other, 20% cross-sectional area loss: DEBRIS	00:01:24	18_10-46m_144514.jpg	4
	11.96	JDM	Joint displaced, medium	00:01:35	18_11-96m_144529.jpg	1 / 3
	14.90	MHF	Finish node, manhole, reference: EXMH04	00:01:58		
EXMH04 Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
4	11.0	0.9	13.0	2.0	6	8.0	2.1	32.0	4.0

Section Pictures - 19/08/2024 - EXMH04X

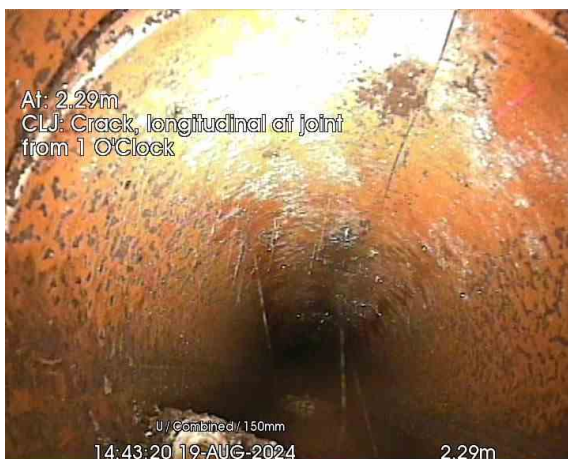
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
16	Upstream	EXMH04X	TJM Upper Campfield	



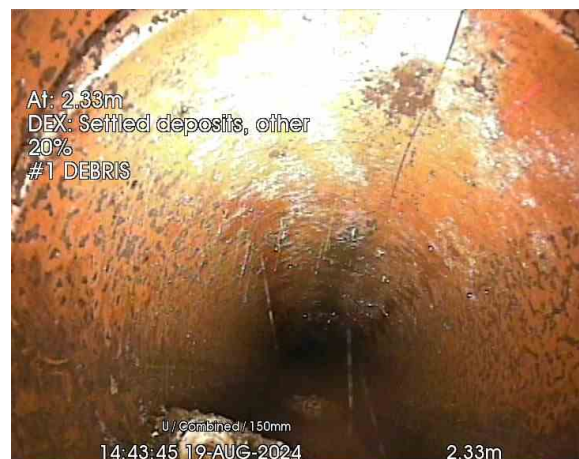
18_0-47m_144248.jpg, 00:00:07, 0.47 m
Joint displaced, medium



18_2-12m_144306.jpg, 00:00:17, 2.12 m
Joint displaced, medium



18_2-29m_144320.jpg, 00:00:22, 2.29 m
Crack, longitudinal at joint at 1 o'clock



18_2-33m_144345.jpg, 00:00:24, 2.33 m
Settled deposits, other, 20% cross-sectional area loss, start, DEBRIS

Section Pictures - 19/08/2024 - EXMH04X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
16	Upstream	EXMH04X	TJM Upper Campfield	



18_10-46m_144514.jpg, 00:01:24, 10.46 m
Settled deposits, other, 20% cross-sectional area loss,
DEBRIS



18_11-96m_144529.jpg, 00:01:35, 11.96 m
Joint displaced, medium

Section Inspection - 19/08/2024 - EXMH03X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
17	19	19/08/24	14:48	TJM Upper Campfield	No Rain Or Snow	No	EXMH03X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Town or Village:	Mcr	Inspection Direction:	Upstream	Upstream Node:	EXMH03
Road:	Upper Campfield	Inspected Length:	8.63 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	8.63 m	Downstream Node:	EXMH02
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

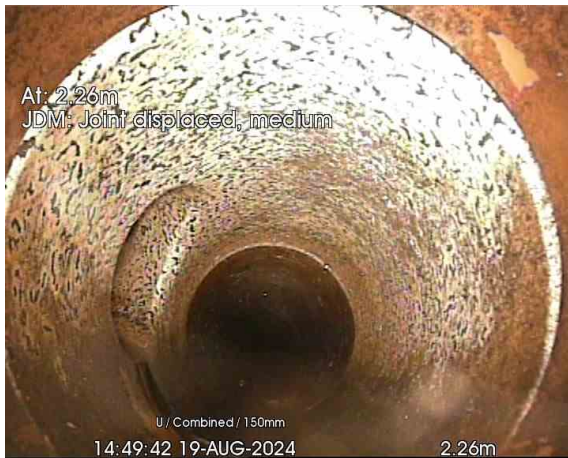
Comments:
Recommendations:

Scale:	1:75	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m EXMH02 0.00 0.00 2.26 2.41 6.29 7.93 8.63 EXMH03 Depth: m MH WL JDM JN JDM CCJ MHF Start node, manhole, reference: EXMH02 Water level, 5% of the vertical dimension Joint displaced, medium Junction at 10 o'clock, 100mm dia Joint displaced, medium Crack, circumferential at joint from 2 o'clock to 4 o'clock Finish node, manhole, reference: EXMH03 00:00:02 00:00:03 00:00:33 00:00:36 00:01:09 00:01:21 00:01:32 19_2-26m_144942.jpg 19_6-29m_145036.jpg 19_7-93m_145107.jpg 1 / 3 2 / 2							

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
3	10.0	1.4	12.0	2.0	3	2.0	0.6	5.0	3.0

Section Pictures - 19/08/2024 - EXMH03X

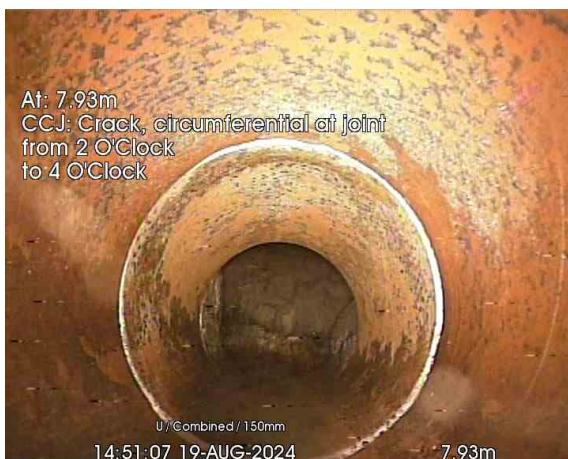
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
17	Upstream	EXMH03X	TJM Upper Campfield	



19_2-26m_144942.jpg, 00:00:33, 2.26 m
Joint displaced, medium



19_6-29m_145036.jpg, 00:01:09, 6.29 m
Joint displaced, medium



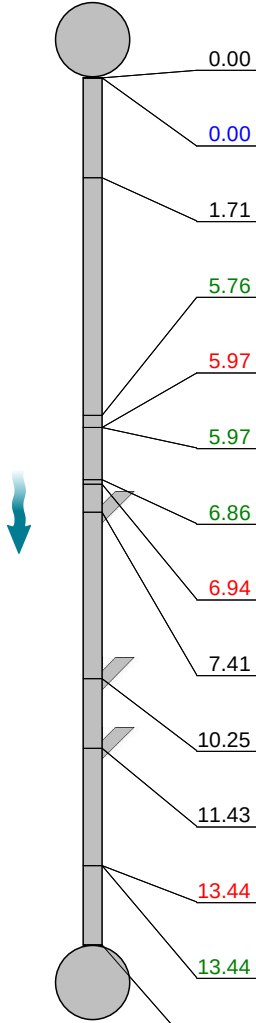
19_7-93m_145107.jpg, 00:01:21, 7.93 m
Crack, circumferential at joint from 2 o'clock to 4 o'clock

Section Inspection - 19/08/2024 - EXMH02X

Item No. 18	Insp. No. 20	Date 19/08/24	Time 14:52	Client's Job Ref TJM Upper Campfield	Weather No Rain Or Snow	Pre Cleaned No	PLR EXMH02X
Operator AW		Vehicle Not Specified		Camera Pushrod	Preset Length Not Specified	Legal Status Not Specified	Alternative ID 1

Town or Village:	Mcr	Inspection Direction:	Downstream	Upstream Node:	EXMH02
Road:	Upper Campfield	Inspected Length:	14.79 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	14.79 m	Downstream Node:	EXMH01
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:129	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m EXMH02  EXMH01 Depth: m						
	0.00	MH	Start node, manhole, reference: EXMH01	00:00:01		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
	1.71	SC	Pipe size changes, new size(s), 225mm high: AFTER PTRAP IN MH	00:00:27		
	5.76	LL	Line deviates left	00:00:47		
	5.97	FCJ	Fracture, circumferential at joint from 12 o'clock to 5 o'clock	00:00:59	20_5-97m_145432.jpg	3 / 2
	5.97	LL	Line deviates left	00:01:01		
	6.86	LR	Line deviates right	00:01:07		
	6.94	JDM	Joint displaced, medium	00:01:10	20_6-94m_145454.jpg	1 / 3
	7.41	JN	Junction at 10 o'clock, 100mm dia	00:01:17		
	10.25	JN	Junction at 9 o'clock, 150mm dia	00:01:30		
	11.43	JN	Junction at 9 o'clock, 150mm dia	00:01:38		
	13.44	JDM	Joint displaced, medium	00:01:52	20_13-44m_145602.jpg	1 / 3
	13.44	LR	Line deviates right	00:01:54		
	14.79	MHF	Finish node, manhole, reference: EXMH01	00:02:12		

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
3	40.0	2.8	42.0	3.0	3	2.0	0.3	5.0	3.0

Section Pictures - 19/08/2024 - EXMH02X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
18	Downstream	EXMH02X	TJM Upper Campfield	



20_5-97m_145432.jpg, 00:00:59, 5.97 m
Fracture, circumferential at joint from 12 o'clock to 5 o'clock



20_6-94m_145454.jpg, 00:01:10, 6.94 m
Joint displaced, medium



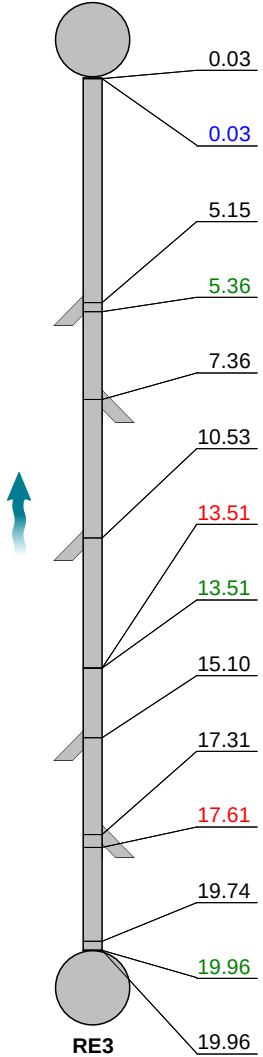
20_13-44m_145602.jpg, 00:01:52, 13.44 m
Joint displaced, medium

Section Inspection - 20/08/2024 - RE3X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
19	21	20/08/24	8:08	TJM Upper Campfield	No Rain Or Snow	No	RE3X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Town or Village:	Mcr	Inspection Direction:	Upstream	Upstream Node:	RE3
Road:	Upper Campfield	Inspected Length:	19.96 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	19.96 m	Downstream Node:	EXMH04
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:173	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m EXMH04  0.03 MH Start node, manhole, reference: EXMH04 00:00:00 0.03 WL Water level, 5% of the vertical dimension 00:00:00 5.15 JN Junction at 3 o'clock, 100mm dia 00:00:33 5.36 DES Settled deposits, fine, 10% cross-sectional area loss 00:00:39 21_5-36m_081105.jpg 3 7.36 JN Junction at 9 o'clock, 100mm dia 00:00:50 10.53 JN Junction at 3 o'clock, 100mm dia 00:01:15 13.51 B Broken pipe from 8 o'clock to 4 o'clock 00:01:46 21_13-51m_081232.jpg 4 13.51 DEC Settled deposits, hard or compacted, 25% cross-sectional area loss 00:01:49 21_13-51m_081243.jpg 4 15.10 JN Junction at 3 o'clock, 100mm dia 00:02:05 17.31 JN Junction at 9 o'clock, 100mm dia 00:02:22 17.61 JDM Joint displaced, medium 00:02:27 21_17-61m_081342.jpg 1 / 3 19.74 SC Pipe size changes, new size(s), 100mm high 00:02:42 19.96 LU Line deviates up: TO RODDING EYE 00:02:48 RE3 Depth: m 19.96 REF Finish node, rodding eye, reference: RE3 00:02:49						

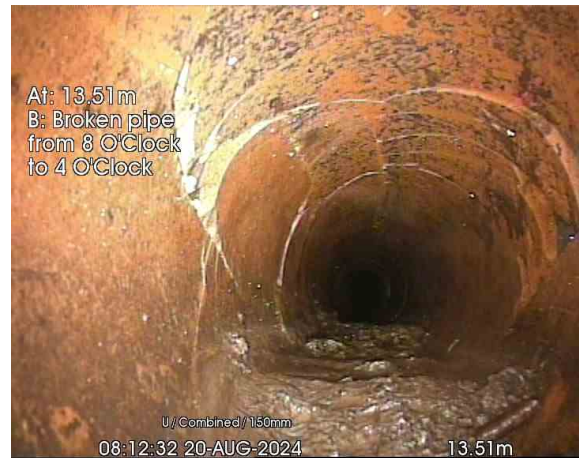
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
2	80.0	4.1	81.0	4.0	3	5.0	0.5	9.0	4.0

Section Pictures - 20/08/2024 - RE3X

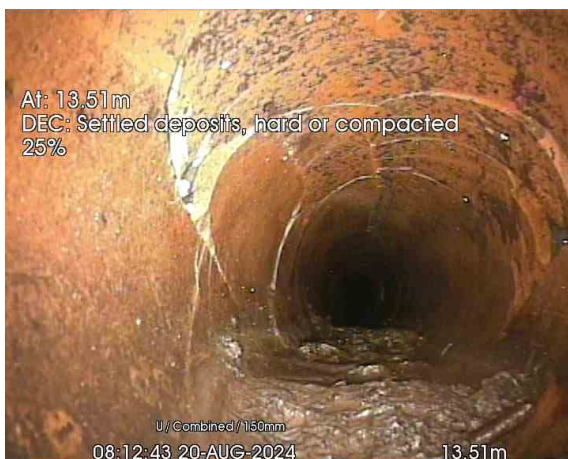
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
19	Upstream	RE3X	TJM Upper Campfield	



21_5-36m_081105.jpg, 00:00:39, 5.36 m
Settled deposits, fine, 10% cross-sectional area loss



21_13-51m_081232.jpg, 00:01:46, 13.51 m
Broken pipe from 8 o'clock to 4 o'clock



21_13-51m_081243.jpg, 00:01:49, 13.51 m
Settled deposits, hard or compacted, 25% cross-sectional area loss



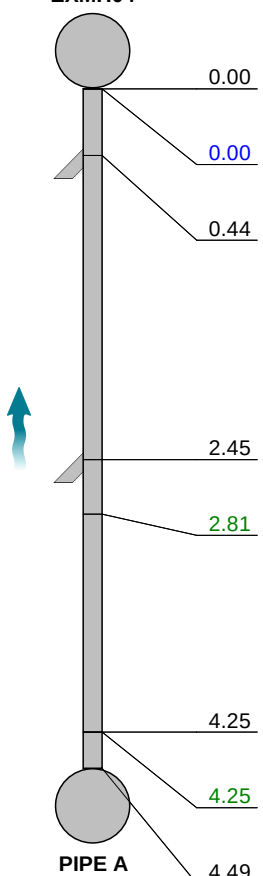
21_17-61m_081342.jpg, 00:02:27, 17.61 m
Joint displaced, medium

Section Inspection - 20/08/2024 - PIPE AX

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
20	22	20/08/24	8:15	TJM Upper Campfield	No Rain Or Snow	No	PIPE AX
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Town or Village:	Mcr	Inspection Direction:	Upstream	Upstream Node:	PIPE A
Road:	Upper Campfield	Inspected Length:	4.49 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	4.49 m	Downstream Node:	EXMH04
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m EXMH04 							
	0.00	MH	Start node, manhole, reference: EXMH04	00:00:01			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:01			
	0.44	JN	Junction at 2 o'clock, 100mm dia	00:00:07			
	2.45	JN	Junction at 2 o'clock, 100mm dia	00:00:24			
	2.81	DES	Settled deposits, fine, 20% cross-sectional area loss	00:00:28	22_2-81m_081641.jpg	4	
	4.25	SC	Pipe size changes, new size(s), 100mm high	00:00:41	22_4-25m_081700.jpg		
	4.25	DEX	Settled deposits, other, 90% cross-sectional area loss: STONES AND ROCKS	00:00:43	22_4-25m_081719.jpg	5	
	4.49	OCF	Finish node, other special chamber, reference: PIPE A: HEAD OD RUN	00:00:48			
PIPE A							
Depth: m							

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	2	10.0	3.3	15.0	5.0

Section Pictures - 20/08/2024 - PIPE AX

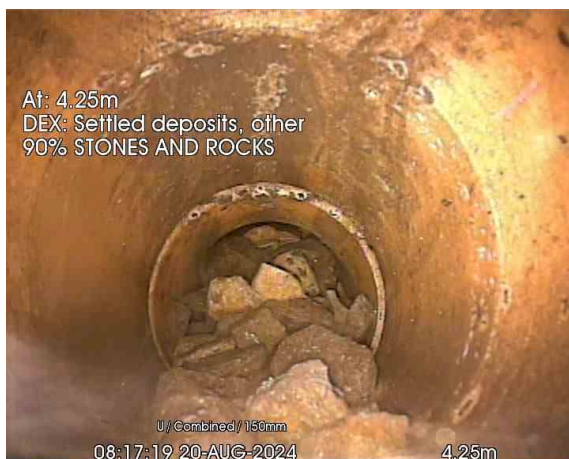
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
20	Upstream	PIPE AX	TJM Upper Campfield	



22_2-81m_081641.jpg, 00:00:28, 2.81 m
Settled deposits, fine, 20% cross-sectional area loss



22_4-25m_081700.jpg, 00:00:41, 4.25 m
Pipe size changes, new size(s), 100mm high



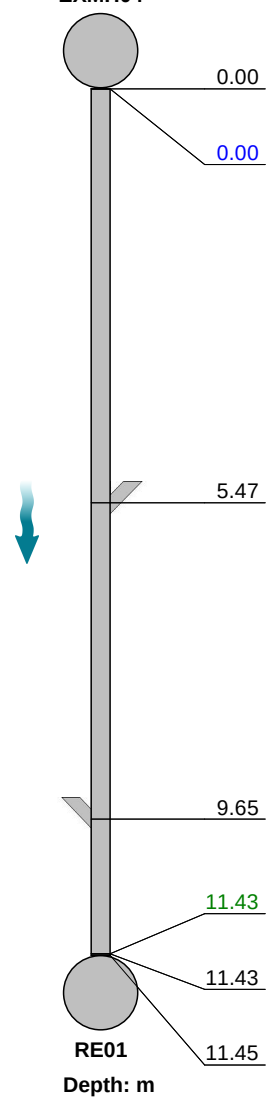
22_4-25m_081719.jpg, 00:00:43, 4.25 m
Settled deposits, other, 90% cross-sectional area loss,
STONES AND ROCKS

Section Inspection - 20/08/2024 - EXMH04X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
21	23	20/08/24	8:18	TJM Upper Campfield	No Rain Or Snow	No	EXMH04X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Town or Village:	Mcr	Inspection Direction:	Downstream	Upstream Node:	EXMH04
Road:	Upper Campfield	Inspected Length:	11.45 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	11.45 m	Downstream Node:	RE01
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:100	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m EXMH04 							
		0.00	MH	Start node, manhole, reference: EXMH04	00:00:01		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
		5.47	JN	Junction at 9 o'clock, 100mm dia	00:00:35		
		9.65	JN	Junction at 3 o'clock, 100mm dia	00:01:06		
		11.43	DEX	Settled deposits, other, 50% cross-sectional area loss: ROCKS AND STONES	00:01:25	23_11-43_m_082101.jpg	4
		11.43	SC	Pipe size changes, new size(s), 100mm high	00:01:28	23_11-43_m_082109.jpg	
		11.45	REF	Finish node, rodding eye, reference: RE01	00:01:30		

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	8.0	0.7	8.0	4.0

Section Pictures - 20/08/2024 - EXMH04X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
21	Downstream	EXMH04X	TJM Upper Campfield	



23_11-43m_082101.jpg, 00:01:25, 11.43 m
Settled deposits, other, 50% cross-sectional area loss, ROCKS
AND STONES



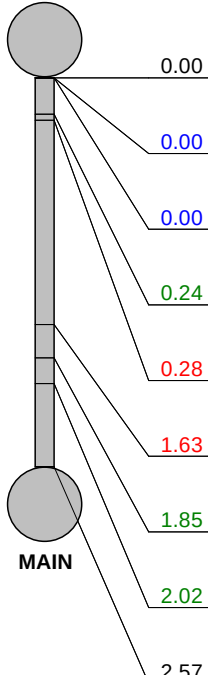
23_11-43m_082109.jpg, 00:01:28, 11.43 m
Pipe size changes, new size(s), 100mm high

Section Inspection - 20/08/2024 - RWP15X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
22	24	20/08/24	8:25	TJM Upper Campfield	No Rain Or Snow	No	RWP15X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Town or Village:	Mcr	Inspection Direction:	Downstream	Upstream Node:	RWP15
Road:	Upper Campfield	Inspected Length:	2.57 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	2.57 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	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: m RWP15  Depth: m							
		0.00	RE	Start node, rodding eye, reference: RWP15	00:00:00		
		0.00	REM	General remark: Broken Access Lid Requires Replacement		RWP15X_f2e56978-4e56-48f7-	
		0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
		0.24	LD	Line deviates down	00:00:05		
		0.28	JDM	Joint displaced, medium	00:00:06	24_0-28m_082726.jpg	1 / 3
		1.63	OJM	Open joint, medium	00:00:16	24_1-63m_082742.jpg	1
		1.85	LD	Line deviates down	00:00:18		
		2.02	LL	Line deviates left	00:00:21		
		2.57	BRF	Finish node, major connection without manhole, reference: MAIN	00:00:27		

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	0.8	2.0	1.0	1	2.0	0.8	2.0	3.0

Section Pictures - 20/08/2024 - RWP15X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
22	Downstream	RWP15X	TJM Upper Campfield	



RWP15X_f2e56978-4e56-48f7-bcb2-de8d70743969_20240905_115028.jpg, 0.00 m
General remark, Broken Access Lid Requires Replacement



24_0-28m_082726.jpg, 00:00:06, 0.28 m
Joint displaced, medium



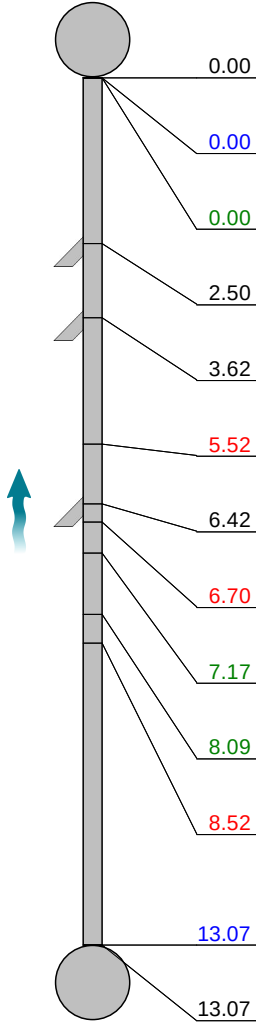
24_1-63m_082742.jpg, 00:00:16, 1.63 m
Open joint, medium

Section Inspection - 20/08/2024 - EXMH02X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
23	25	20/08/24	8:34	TJM Upper Campfield	No Rain Or Snow	No	EXMH02X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Town or Village:	Mcr	Inspection Direction:	Upstream	Upstream Node:	EXMH02
Road:	Upper Campfield	Inspected Length:	13.07 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	13.07 m	Downstream Node:	EXMH01
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

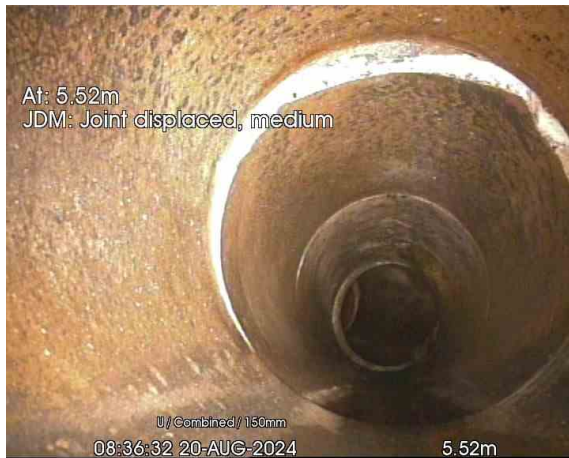
Comments:
Recommendations:

Scale: 1:114	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m EXMH01 						
	0.00	MH	Start node, manhole, reference: EXMH02	00:00:01		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
	0.00	LL	Line deviates left	00:00:02		
	2.50	JN	Junction at 3 o'clock, 150mm dia	00:00:15		
	3.62	JN	Junction at 3 o'clock, 150mm dia	00:00:24		
	5.52	JDM	Joint displaced, medium	00:00:35	25_5-52m_083632.jpg	1 / 3
	6.42	JN	Junction at 2 o'clock, 100mm dia	00:00:41		
	6.70	JDM	Joint displaced, medium	00:00:43	25_6-70m_083655.jpg	1 / 3
	7.17	LL	Line deviates left	00:00:47		
	8.09	LR	Line deviates right	00:00:55		
	8.52	JDM	Joint displaced, medium	00:01:00	25_8-52m_083723.jpg	1 / 3
	13.07	REM	General remark: OUTLET IS ON PTRAP	00:01:25		
	13.07	MHF	Finish node, manhole, reference: EXMH01	00:01:26		
EXMH02 Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
3	1.0	0.2	3.0	1.0	3	2.0	0.5	6.0	3.0

Section Pictures - 20/08/2024 - EXMH02X

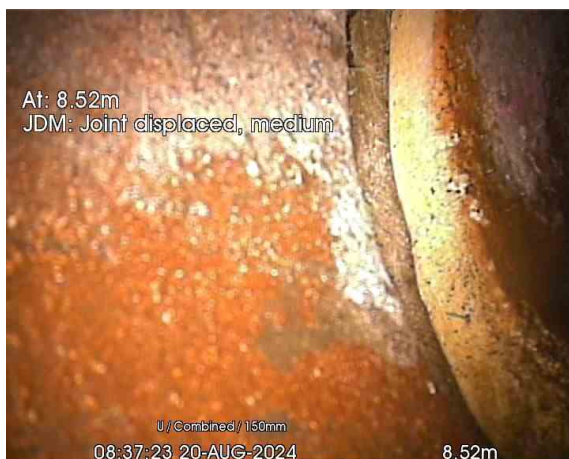
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
23	Upstream	EXMH02X	TJM Upper Campfield	



25_5-52m_083632.jpg, 00:00:35, 5.52 m
Joint displaced, medium



25_6-70m_083655.jpg, 00:00:43, 6.70 m
Joint displaced, medium



25_8-52m_083723.jpg, 00:01:00, 8.52 m
Joint displaced, medium

Section Pictures - 20/08/2024 - EXMH05X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
24	Upstream	EXMH05X	TJM Upper Campfield	



PIPE

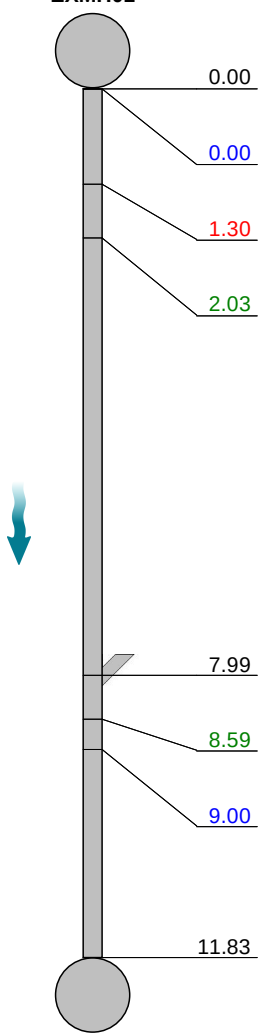
AX_b979f001-f043-4f2d-a4d9-4687af72dbe4_20240820_1106
37_582.jpg, 00:00:42, 8.03 m
Joint displaced, medium

Section Inspection - 20/08/2024 - EXMH01X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
25	27	20/08/24	8:45	TJM Upper Campfield	No Rain Or Snow	No	EXMH01X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Town or Village:	Mcr	Inspection Direction:	Downstream	Upstream Node:	EXMH01
Road:	Upper Campfield	Inspected Length:	11.83 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	11.83 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:103	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m EXMH01  0.00 MH Start node, manhole, reference: EXMH01 00:00:00 0.00 WL Water level, 5% of the vertical dimension 00:00:00 1.30 JDM Joint displaced, medium 00:00:05 EXMH01X_316b20f6-49c9-47a 1 / 3 2.03 DEC Settled deposits, hard or compacted, 20% cross-sectional area loss 00:00:08 27_2-03m_084603.jpg 4 7.99 JN Junction at 9 o'clock, 150mm dia 00:00:32 8.59 LD Line deviates down: SHAR 00:00:36 9.00 REM General remark: LINE JOINS CARRIER 00:00:47 11.83 MHF Finish node, manhole, reference: MAIN: EXMH EXTERNAL 00:01:05 MAIN Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	1.0	0.1	1.0	1.0	2	5.0	0.6	7.0	4.0

Section Pictures - 20/08/2024 - EXMH01X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
25	Downstream	EXMH01X	TJM Upper Campfield	



EXMH01X_316b20f6-49c9-47a9-89c7-6b1c2c5e5027_20240820_111157_865.jpg, 00:00:05, 1.30 m
Joint displaced, medium



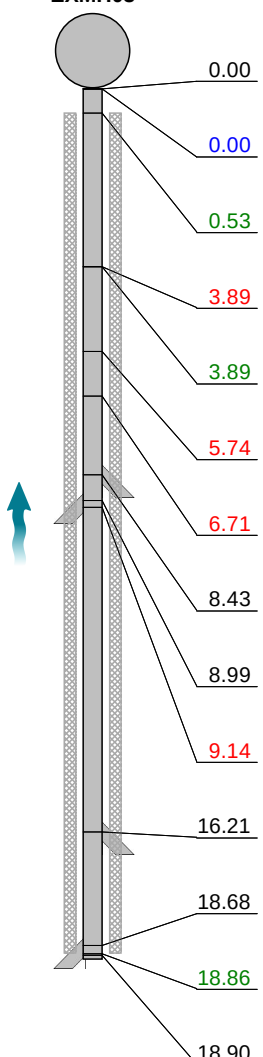
27_2-03m_084603.jpg, 00:00:08, 2.03 m
Settled deposits, hard or compacted, 20% cross-sectional area loss

Section Inspection - 20/08/2024 - RE04X

Item No. 26	Insp. No. 28	Date 20/08/24	Time 9:38	Client's Job Ref TJM Upper Campfield	Weather No Rain Or Snow	Pre Cleaned No	PLR RE04X
Operator AW		Vehicle Not Specified		Camera Pushrod	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID 1

Town or Village:	Mcr	Inspection Direction:	Upstream	Upstream Node:	RE04
Road:	Upper Campfield	Inspected Length:	19.07 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	19.07 m	Downstream Node:	EXMH03
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

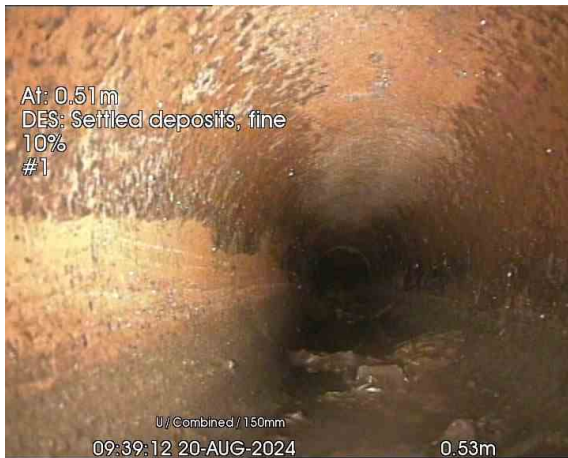
Scale: 1:165	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m EXMH03 						
	0.00	MH	Start node, manhole, reference: EXMH03	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:00		
	0.53	S01	DES Settled deposits, fine, 10% cross-sectional area loss, start	00:00:05	28_0-53m_093912.jpg	
	3.89	JDM	Joint displaced, medium	00:00:34	RE04X_7c4d29cc-008c-4ad1-8	1 / 3
	3.89	DEX	Settled deposits, other, 40% cross-sectional area loss: DEBRIS	00:00:38	28_3-89m_094007.jpg	4
	5.74	JDL	Joint displaced, large	00:00:53	28_5-74m_094031.jpg	1 / 4
	6.71	CC	Crack, circumferential from 7 o'clock to 2 o'clock	00:01:03	28_6-71m_094051.jpg	2 / 2
	8.43	JN	Junction at 10 o'clock, 100mm dia	00:01:22		
	8.99	JN	Junction at 2 o'clock, 100mm dia	00:01:30		
	9.14	JDM	Joint displaced, medium	00:01:34	28_9-14m_094137.jpg	1 / 3
	16.21	JN	Junction at 10 o'clock, 100mm dia	00:02:18		
	18.68	JN	Junction at 3 o'clock, 100mm dia	00:02:41		
	18.86	F01	DES Settled deposits, fine, 10% cross-sectional area loss, finish			3
	18.90	SC	Pipe size changes, new size(s), 100mm high	00:02:45		

Section Inspection - 20/08/2024 - RE04X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
26	28	20/08/24	9:38	TJM Upper Campfield	No Rain Or Snow	No	RE04X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Section Pictures - 20/08/2024 - RE04X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
26	Upstream	RE04X	TJM Upper Campfield	



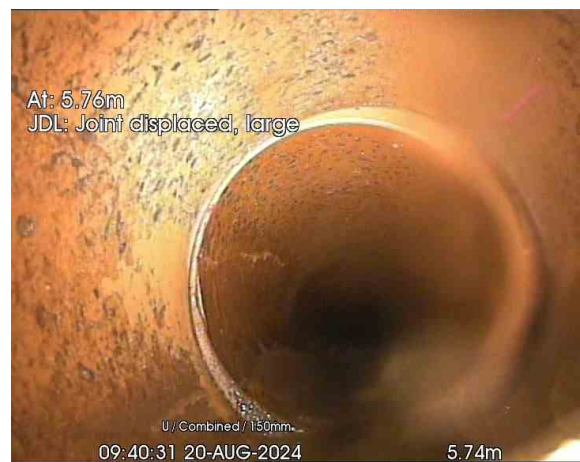
28_0-53m_093912.jpg, 00:00:05, 0.53 m
Settled deposits, fine, 10% cross-sectional area loss, start



RE04X_7c4d29cc-008c-4ad1-8582-84f3936c5463_20240820_111352_621.jpg, 00:00:34, 3.89 m
Joint displaced, medium



28_3-89m_094007.jpg, 00:00:38, 3.89 m
Settled deposits, other, 40% cross-sectional area loss, DEBRIS



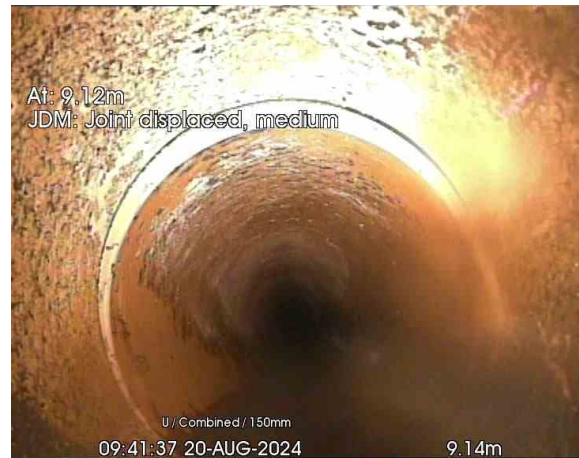
28_5-74m_094031.jpg, 00:00:53, 5.74 m
Joint displaced, large

Section Pictures - 20/08/2024 - RE04X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
26	Upstream	RE04X	TJM Upper Campfield	



28_6-71m_094051.jpg, 00:01:03, 6.71 m
Crack, circumferential from 7 o'clock to 2 o'clock



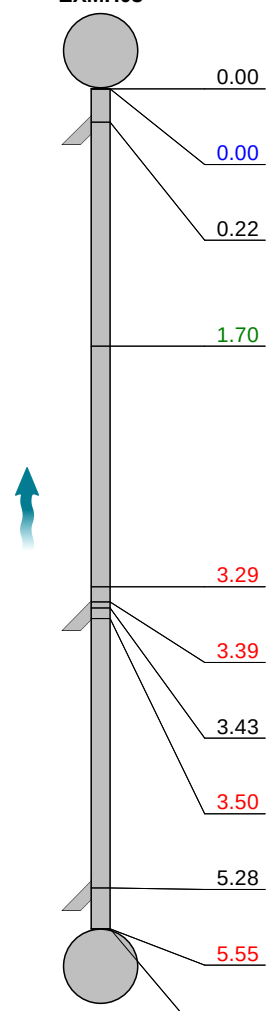
28_9-14m_094137.jpg, 00:01:34, 9.14 m
Joint displaced, medium

Section Inspection - 20/08/2024 - RE02X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
27	29	20/08/24	11:18	TJM Upper Campfield	No Rain Or Snow	No	RE02X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
AW		Not Specified		Pushrod	Not Specified	Private Sewer	1

Town or Village:	Mcr	Inspection Direction:	Upstream	Upstream Node:	RE02
Road:	Upper Campfield	Inspected Length:	5.55 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	5.55 m	Downstream Node:	EXMH03
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m EXMH03  Depth: m RE02							
	0.00	MH		Start node, manhole, reference: EXMH03	00:00:00		
	0.00	WL		Water level, 5% of the vertical dimension	00:00:00		
	0.22	JN		Junction at 2 o'clock, 100mm dia	00:00:04		
	1.70	DES		Settled deposits, fine, 40% cross-sectional area loss	00:00:15	29_1-70m_094625.jpg	4
	3.29	JDM		Joint displaced, medium	00:00:34	29_3-29m_094650.jpg	1 / 3
	3.39	FCJ		Fracture, circumferential at joint from 11 o'clock to 2 o'clock	00:00:41	29_3-39m_094708.jpg	3 / 2
	3.43	JXD		Junction, damaged at 2 o'clock, 100mm dia: COLLAPSED	00:01:07	29_3-43m_094750.jpg	
	3.50	B		Broken pipe from 1 o'clock to 4 o'clock	00:01:11	29_3-50m_094806.jpg	4
	5.28	JN		Junction at 2 o'clock, 100mm dia	00:01:38		
	5.55	B		Broken pipe from 9 o'clock to 3 o'clock	00:02:43	29_5-55m_095109.jpg	4
	5.55	XP		Collapsed drain or sewer, 95% cross-sectional area loss: COLLAPSED PIPE	00:02:50	29_5-55m_095155.jpg	1

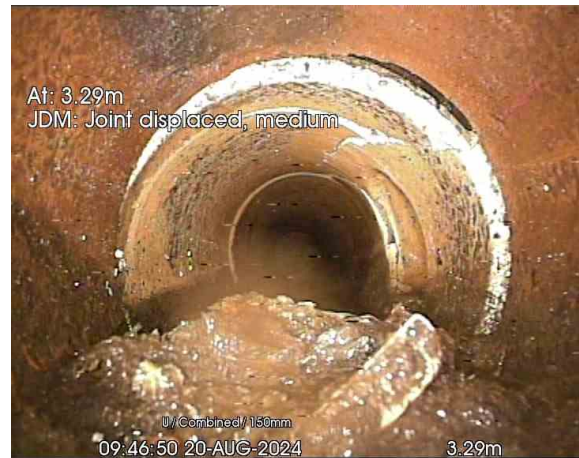
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
5	80.0	36.2	201.0	4.0	3	5.0	1.4	8.0	4.0

Section Pictures - 20/08/2024 - RE02X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
27	Upstream	RE02X	TJM Upper Campfield	



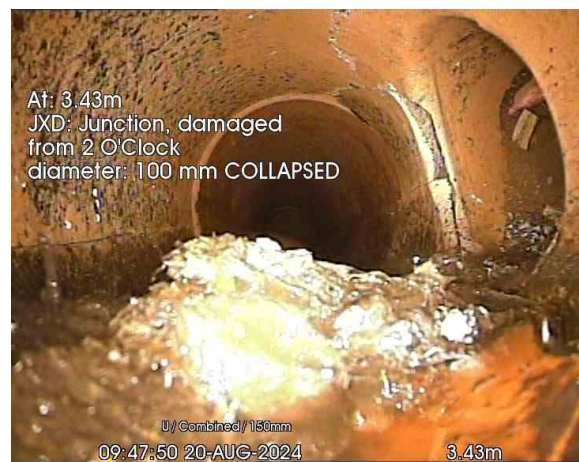
29_1-70m_094625.jpg, 00:00:15, 1.70 m
Settled deposits, fine, 40% cross-sectional area loss



29_3-29m_094650.jpg, 00:00:34, 3.29 m
Joint displaced, medium



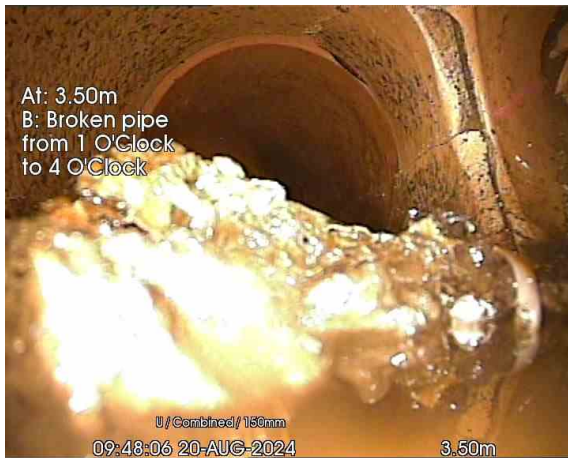
29_3-39m_094708.jpg, 00:00:41, 3.39 m
Fracture, circumferential at joint from 11 o'clock to 2 o'clock



29_3-43m_094750.jpg, 00:01:07, 3.43 m
Junction, damaged at 2 o'clock, 100mm dia, COLLAPSED

Section Pictures - 20/08/2024 - RE02X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
27	Upstream	RE02X	TJM Upper Campfield	



29_3-50m_094806.jpg, 00:01:11, 3.50 m
Broken pipe from 1 o'clock to 4 o'clock



29_5-55m_095109.jpg, 00:02:43, 5.55 m
Broken pipe from 9 o'clock to 3 o'clock



29_5-55m_095155.jpg, 00:02:50, 5.55 m
Collapsed drain or sewer, 95% cross-sectional area loss,
COLLAPSED PIPE

North West Drain Services Ltd

Thank you for choosing to use North West Drain Services Ltd to carry out your drainage investigation works.

The results and views carried in this report are those of the engineer(s) appointed to carry out the investigation and are considered relevant on the day of the survey. Drain and sewer performance is known to alter over time, so liability cannot be accepted for differences between the recorded data and the actual data at a time after this report was generated.

This survey has been created in accordance with the drainage standard used in the country and language settings for this PC.

If a DVD has been supplied with this report, please note that it can only be used in a Windows based PC. Please browse the DVD and navigate to the PDF folder to find project-based documents such as drawings, engineer's site notes and survey specifications amongst others.

CCTV subsidence investigations do not account for the water tightness of the pipes and are merely a visual inspection of inside of the drains. CCTV drainage engineers are generally not qualified to comment on the causes of subsidence, and can only suggest required remedial actions for the pipes, and not the affected buildings.

Subsidence is a building structural failure, which can occur for many reasons. Although drainage failures can contribute to subsidence problems, other causes should always be investigated as part of a considered approach. In order to eliminate drains from suspicion, North West Drain Services Ltd suggests that all pipes within at least 10m of the subsidence area be pressure tested over and above a CCTV inspection, and remedial suggestions considered based on the findings.

Unless otherwise specified in an associated task order (or similar), the data gathered in this report may not be suitable for use as a pre-lining investigation. North West Drain Services Ltd are happy to carry out such surveys, but this must be agreed prior to the commencement of the works, and the client must specify the data they wish to capture and the acceptable tolerances.

All measurements including depths, meterage, locations are given as an approximate guide only and not to be used for piling purposes. We do not offer pin-point locating of drainage.