

INDUSTRIAL WATER JETTING SYSTEMS

CCTV SURVEY INSPECTION REPORT

Client:	Renaker
Location:	Port Street, Manchester
Date:	12.11.2025



Industrial Water Jetting Systems Holdings Ltd

Unit 10 Huntsman Drive, North Bank Industrial Estate, Irlam, Manchester M44 5EG

Tel: 01617760499 Email: www.iwjs.co.uk

Email: info@iwjs.co.uk

Industrial Water Jetting Systems Holdings Limited
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WEB PROJECT
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genuine embedded reporting WINCAN inside

Project

Project Name: 287591-RENAKER PORT STREET

Project Description: WinCan Import in Miraculix Standard

Project Date: 11/11/2025

RENAKER

Industrial Water Jetting Systems Holdings Limited
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287591-RENAKER PORT STREET		11/11/2025

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Project Information

Project Name	Project Number	Project Date
287591-RENAKER PORT STREET		11/11/2025

Client

Company: Renaker Constructing Solutions
Street: NQ Building 47 Bengal Street
Town or City: Ancoats, Manchester
Post Code: M4 6BB

Site

Street: Port Street, Manchester

Contractor

Company: Industrial Water Jetting Systems Holdings Limited
Contact: Jack Sumner
Department: CCTV Survey Manager
Street: Unit 10 Huntsman Drive
Town or City: North Bank Industrial Estate, Irlam
County: Greater Manchester
Post Code: M44 5EG
Phone: 01617760499
Email: Jack.Sumner@iwjs.co.uk

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Section Inspection - 11/11/2025 - S1X

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Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
1	1	11/11/25	9:45	287591	No Rain Or Snow	Yes	S1X

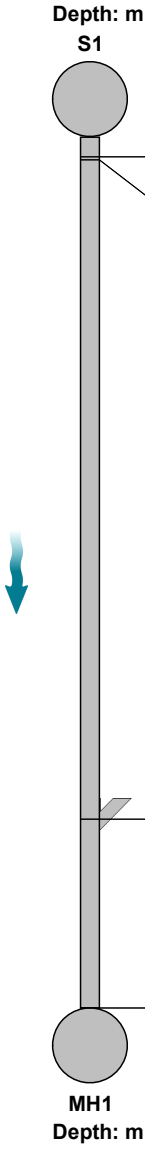
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
NM	Not Specified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Manchester City Centre	**Inspection Direction:**	Downstream	**Upstream Node:**	S1
Road:	Port Street	**Inspected Length:**	7.27 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	7.27 m	**Downstream Node:**	MH1
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:63



Position [m]	Code	Observation	MPEG	Photo	Grade
0.17	MH	Start node, manhole, reference: S1	00:00:00	1	
0.19	WL	Water level, 5% of the vertical dimension	00:00:02	2	
5.69	JN	Junction at 9 o'clock, 100mm dia	00:00:25	3	
7.27	CPF	Finish node, catchpit, reference: MH1	00:00:35	4	

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

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Section Pictures - 11/11/2025 - S1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
1	Downstream	S1X	287591	RENAKER



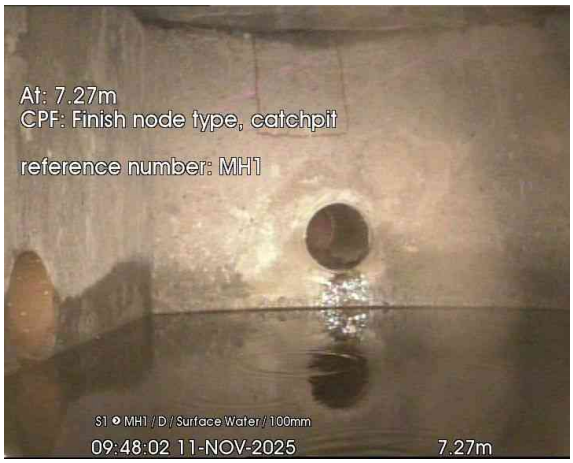
1, 00:00:00, 0.17 m
Start node, manhole, reference: S1



2, 00:00:02, 0.19 m
Water level, 5% of the vertical dimension



3, 00:00:25, 5.69 m
Junction at 9 o'clock, 100mm dia



4, 00:00:35, 7.27 m
Finish node, catchpit, reference: MH1

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Section Inspection - 11/11/2025 - S7X

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Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
2	2	11/11/25	9:32	287591	No Rain Or Snow	Yes	S7X

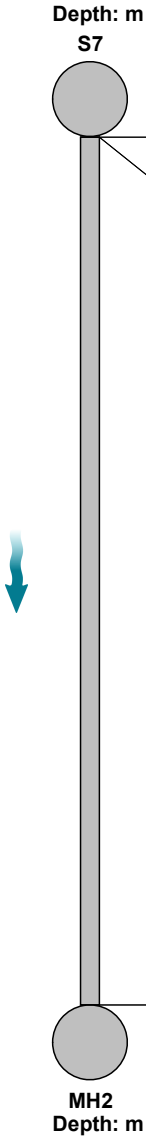
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
NM	Not Specified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Manchester City Centre	**Inspection Direction:**	Downstream	**Upstream Node:**	S7
Road:	Port Street	**Inspected Length:**	6.55 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	6.55 m	**Downstream Node:**	MH2
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:57



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: S7	00:00:00	1	
0.00	WL	Water level, 5% of the vertical dimension	00:00:03	2	
6.55	OCF	Finish node, other special chamber, reference: MH2: HYDROBRAKE	00:00:25	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**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 11/11/2025 - S7X

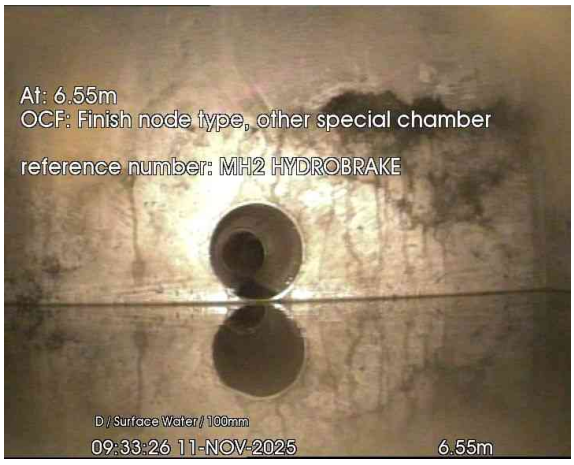
Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
2	Downstream	S7X	287591	RENAKER



1, 00:00:00, 0.00 m
Start node, manhole, reference: S7



2, 00:00:03, 0.00 m
Water level, 5% of the vertical dimension



3, 00:00:25, 6.55 m
Finish node, other special chamber, reference: MH2, HYDROBRAKE

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Section Inspection - 11/11/2025 - S5X

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Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
3	3	11/11/25	9:38	287591	No Rain Or Snow	Yes	S5X

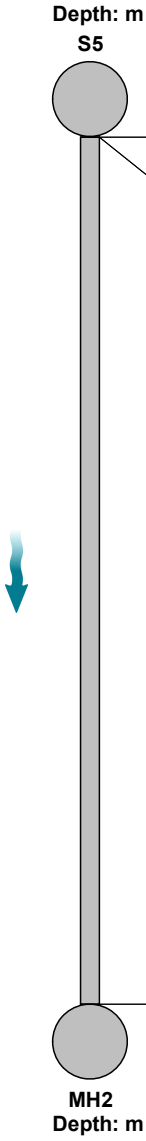
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
NM	Not Specified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Manchester City Centre	**Inspection Direction:**	Downstream	**Upstream Node:**	S5
Road:	Port Street	**Inspected Length:**	6.20 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	6.20 m	**Downstream Node:**	MH2
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:54



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: S5	00:00:00	1	
0.00	WL	Water level, 5% of the vertical dimension	00:00:02	2	
6.20	OCF	Finish node, other special chamber, reference: MH2: HYDROBRAKE	00:00:19	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**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 11/11/2025 - S5X

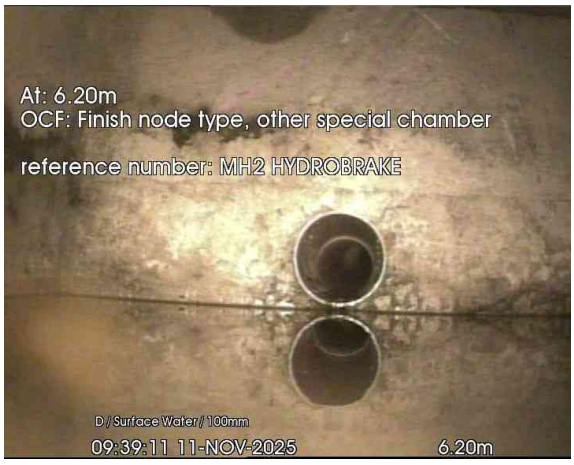
Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
3	Downstream	S5X	287591	RENAKER



1, 00:00:00, 0.00 m
Start node, manhole, reference: S5



2, 00:00:02, 0.00 m
Water level, 5% of the vertical dimension



3, 00:00:19, 6.20 m
Finish node, other special chamber, reference: MH2, HYDROBRAKE

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Section Inspection - 11/11/2025 - S4X

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Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
4	4	11/11/25	9:41	287591	No Rain Or Snow	Yes	S4X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
NM	Not Specified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Manchester City Centre	**Inspection Direction:**	Downstream	**Upstream Node:**	S4
Road:	Port Street	**Inspected Length:**	9.50 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	9.50 m	**Downstream Node:**	S5
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:83

Position [m]	Code	Observation	MPEG	Photo	Grade
		Depth: m			
		S4			
0.00	MH	Start node, manhole, reference: S4	00:00:00	1	
0.00	WL	Water level, 5% of the vertical dimension	00:00:03	2	
9.50	MHF	Finish node, manhole, reference: S5	00:00:35	3	
		S5			
		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	0	0.0	0.0	0.0	1.0

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Section Pictures - 11/11/2025 - S4X

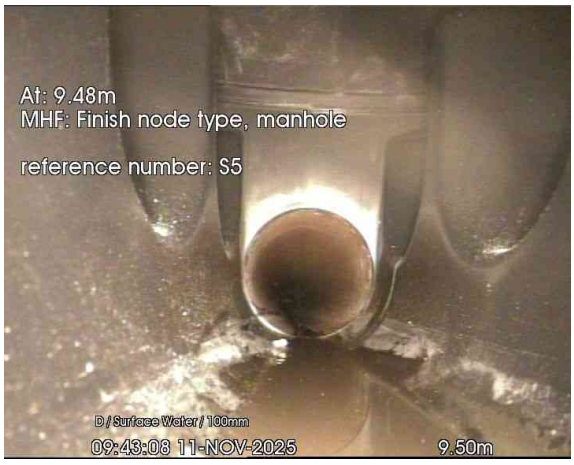
Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
4	Downstream	S4X	287591	RENAKER



1, 00:00:00, 0.00 m
Start node, manhole, reference: S4



2, 00:00:03, 0.00 m
Water level, 5% of the vertical dimension



3, 00:00:35, 9.50 m
Finish node, manhole, reference: S5

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Section Inspection - 11/11/2025 - MH1X

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Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
5	5	11/11/25	9:49	287591	No Rain Or Snow	Yes	MH1X

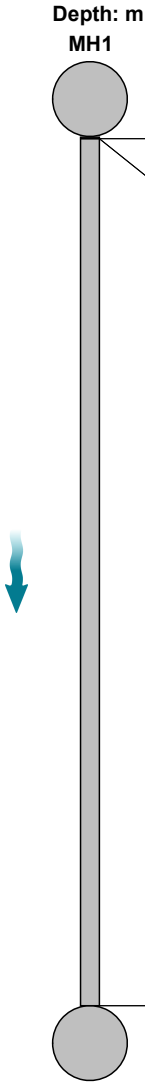
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
NM	Not Specified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Manchester City Centre	**Inspection Direction:**	Downstream	**Upstream Node:**	MH1
Road:	Port Street	**Inspected Length:**	10.70 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	10.70 m	**Downstream Node:**	S2
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:93



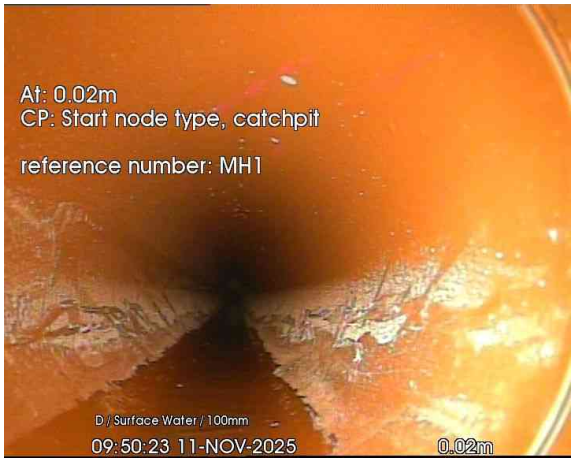
Position [m]	Code	Observation	MPEG	Photo	Grade
0.02	CP	Start node, catchpit, reference: MH1	00:00:00	1	
0.02	WL	Water level, 5% of the vertical dimension	00:00:03	2	
10.70	MHF	Finish node, manhole, reference: S2	00:00:50	3	

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**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 11/11/2025 - MH1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
5	Downstream	MH1X	287591	RENAKER



1, 00:00:00, 0.02 m
Start node, catchpit, reference: MH1



2, 00:00:03, 0.02 m
Water level, 5% of the vertical dimension



3, 00:00:50, 10.70 m
Finish node, manhole, reference: S2

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Section Inspection - 11/11/2025 - S2X

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
6	6	11/11/25	9:52	287591	No Rain Or Snow	Yes	S2X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
NM	Not Specified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Manchester City Centre	**Inspection Direction:**	Downstream	**Upstream Node:**	S2
Road:	Port Street	**Inspected Length:**	26.41 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	26.41 m	**Downstream Node:**	S9
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:229



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: S2	00:00:01	1	
0.00	WL	Water level, 5% of the vertical dimension	00:00:03	2	
23.94	JN	Junction at 12 o'clock, 100mm dia	00:01:59	3	
26.41	MHF	Finish node, manhole, reference: S9	00:02:12	4	

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

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Section Pictures - 11/11/2025 - S2X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
6	Downstream	S2X	287591	RENAKER



1, 00:00:01, 0.00 m
Start node, manhole, reference: S2



2, 00:00:03, 0.00 m
Water level, 5% of the vertical dimension



3, 00:01:59, 23.94 m
Junction at 12 o'clock, 100mm dia



4, 00:02:12, 26.41 m
Finish node, manhole, reference: S9

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Section Inspection - 11/11/2025 - S7X

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Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
7	13	11/11/25	12:37	287591	No Rain Or Snow	Yes	S7X

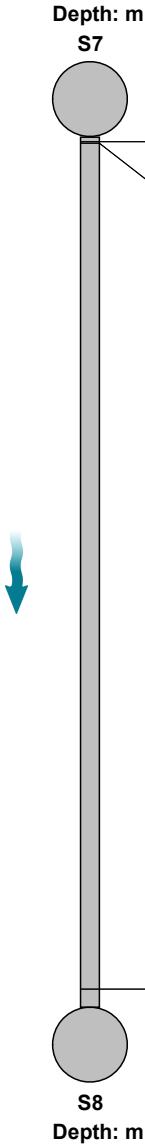
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
NM	Not Specified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Manchester City Centre	**Inspection Direction:**	Downstream	**Upstream Node:**	S7
Road:	Port Street	**Inspected Length:**	10.72 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	10.95 m	**Downstream Node:**	S8
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:95



Position [m]	Code	Observation	MPEG	Photo	Grade
0.06	MH	Start node, manhole, reference: S8	00:00:02	1	
0.08	WL	Water level, 5% of the vertical dimension	00:00:04	2	
10.72	MHF	Finish node, manhole, reference: S7	00:00:36	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**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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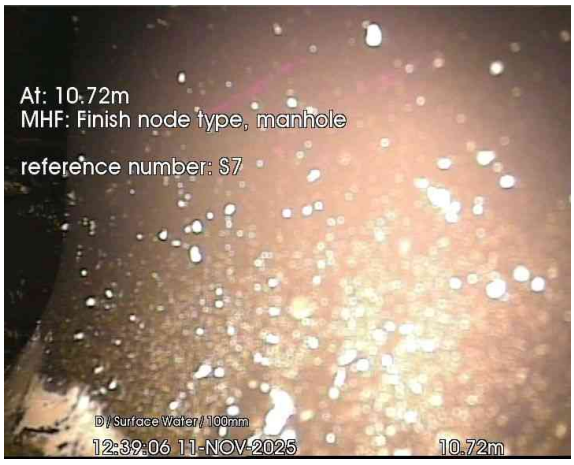
Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
7	Downstream	S7X	287591	RENAKER



1, 00:00:02, 0.06 m
Start node, manhole, reference: S8



2, 00:00:04, 0.08 m
Water level, 5% of the vertical dimension



3, 00:00:36, 10.72 m
Finish node, manhole, reference: S7

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Section Inspection - 11/11/2025 - S7X

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
7	7	11/11/25	10:03	287591	No Rain Or Snow	Yes	S7X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
NM	Not Specified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Manchester City Centre	**Inspection Direction:**	Upstream	**Upstream Node:**	S7
Road:	Port Street	**Inspected Length:**	10.95 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	10.95 m	**Downstream Node:**	S8
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:95



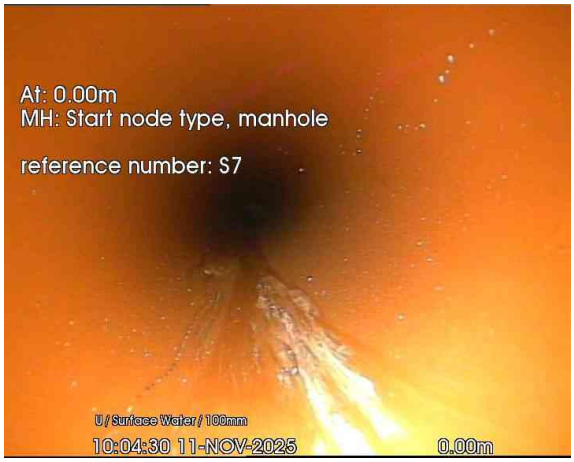
Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: S7	00:00:01	1	
0.00	WL	Water level, 5% of the vertical dimension	00:00:02	2	
10.95	MHF	Finish node, manhole, reference: S8	00:00:35	3	

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**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 11/11/2025 - S7X

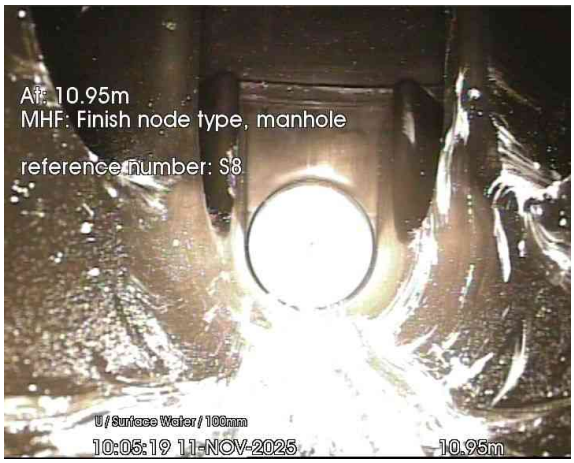
Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
7	Upstream	S7X	287591	RENAKER



1, 00:00:01, 0.00 m
Start node, manhole, reference: S7



2, 00:00:02, 0.00 m
Water level, 5% of the vertical dimension



3, 00:00:35, 10.95 m
Finish node, manhole, reference: S8

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Section Inspection - 11/11/2025 - S9X

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Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
8	14	11/11/25	12:39	287591	No Rain Or Snow	Yes	S9X

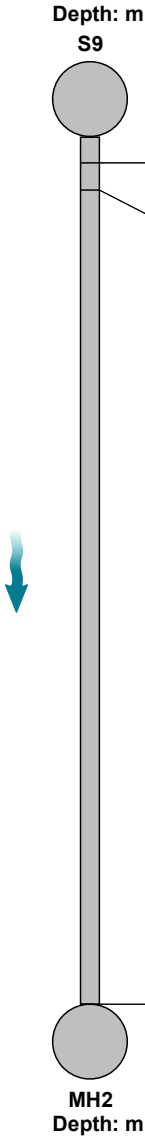
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
NM	Not Specified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Manchester City Centre	**Inspection Direction:**	Downstream	**Upstream Node:**	S9
Road:	Port Street	**Inspected Length:**	9.99 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	9.99 m	**Downstream Node:**	MH2
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:87



Position [m]	Code	Observation	MPEG	Photo	Grade
0.30	MH	Start node, manhole, reference: MH2	00:00:00	1	
0.61	WL	Water level, 5% of the vertical dimension	00:00:02	2	
9.99	MHF	Finish node, manhole, reference: S9	00:00:42	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**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 11/11/2025 - S9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
8	Downstream	S9X	287591	RENAKER



1, 00:00:00, 0.30 m
Start node, manhole, reference: MH2



2, 00:00:02, 0.61 m
Water level, 5% of the vertical dimension



3, 00:00:42, 9.99 m
Finish node, manhole, reference: S9

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Section Inspection - 11/11/2025 - S9X

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
8	8	11/11/25	10:11	287591	No Rain Or Snow	Yes	S9X

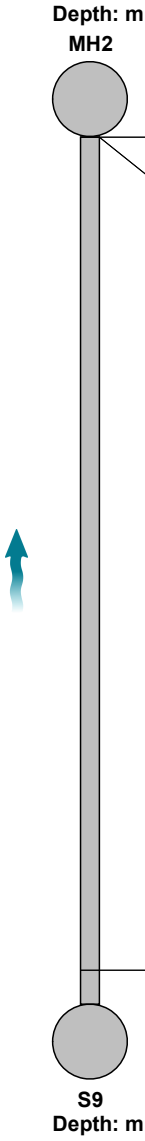
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
NM	Not Specified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Manchester City Centre	**Inspection Direction:**	Upstream	**Upstream Node:**	S9
Road:	Port Street	**Inspected Length:**	9.60 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	9.99 m	**Downstream Node:**	MH2
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:87



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: S9	00:00:00	1	
0.00	WL	Water level, 5% of the vertical dimension	00:00:03	2	
9.60	OCF	Finish node, other special chamber, reference: MH2: HYDROBRAKE	00:00:45	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**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 11/11/2025 - S9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
8	Upstream	S9X	287591	RENAKER



1, 00:00:00, 0.00 m
Start node, manhole, reference: S9



2, 00:00:03, 0.00 m
Water level, 5% of the vertical dimension



3, 00:00:45, 9.60 m
Finish node, other special chamber, reference: MH2, HYDROBRAKE

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Section Inspection - 11/11/2025 - S9X

WEB PROJECT
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Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
9	16	11/11/25	14:45	287591	No Rain Or Snow	Yes	S9X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
NM	Not Specified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Manchester City Centre	**Inspection Direction:**	Downstream	**Upstream Node:**	S9
Road:	Port Street	**Inspected Length:**	21.69 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	21.69 m	**Downstream Node:**	S10
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:188



Position [m]	Code	Observation	MPEG	Photo	Grade
0.02	MH	Start node, manhole, reference: S9	00:00:01	1	
0.02	WL	Water level, 5% of the vertical dimension	00:00:03	2	
21.45	LR	Line deviates right	00:00:53	3	
21.69	MHF	Finish node, manhole, reference: S10	00:00:57	4	

Construction Features — Structural Defects

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

Miscellaneous Features — Service & Operational Observations

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

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Section Pictures - 11/11/2025 - S9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
9	Downstream	S9X	287591	RENAKER



1, 00:00:01, 0.02 m
Start node, manhole, reference: S9



2, 00:00:03, 0.02 m
Water level, 5% of the vertical dimension



3, 00:00:53, 21.45 m
Line deviates right



4, 00:00:57, 21.69 m
Finish node, manhole, reference: S10

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Section Inspection - 11/11/2025 - S9X

WEB PROJECT
CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
9	9	11/11/25	10:15	287591	No Rain Or Snow	Yes	S9X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
NM	Not Specified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Manchester City Centre	**Inspection Direction:**	Downstream	**Upstream Node:**	S9
Road:	Port Street	**Inspected Length:**	21.44 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	21.69 m	**Downstream Node:**	S10
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:188



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: S9	00:00:01	1	
0.00	WL	Water level, 10% of the vertical dimension	00:00:04	2	
0.52	LL	Line deviates left	00:00:06	3	
21.01	LR	Line deviates right	00:00:54	4	
21.44	MHF	Finish node, manhole, reference: S10	00:00:57	5	

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

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Section Pictures - 11/11/2025 - S9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
9	Downstream	S9X	287591	RENAKER



1, 00:00:01, 0.00 m
Start node, manhole, reference: S9



2, 00:00:04, 0.00 m
Water level, 10% of the vertical dimension



3, 00:00:06, 0.52 m
Line deviates left



4, 00:00:54, 21.01 m
Line deviates right

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Section Pictures - 11/11/2025 - S9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
9	Downstream	S9X	287591	RENAKER



5, 00:00:57, 21.44 m
Finish node, manhole, reference: S10

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Section Inspection - 11/11/2025 - S12X

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
10	10	11/11/25	10:26	287591	No Rain Or Snow	Yes	S12X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
NM	Not Specified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Manchester City Centre	**Inspection Direction:**	Downstream	**Upstream Node:**	S12
Road:	Port Street	**Inspected Length:**	8.34 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	8.34 m	**Downstream Node:**	JS
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:73



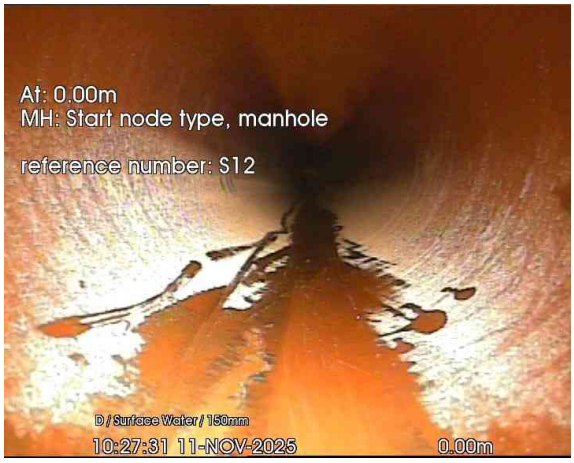
Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: S12	00:00:01	1	
0.00	WL	Water level, 5% of the vertical dimension	00:00:03	2	
3.75	JN	Junction at 12 o'clock, 100mm dia	00:00:14	3	
8.34	MHF	Finish node, manhole, reference: JS	00:00:29	4	

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

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Section Pictures - 11/11/2025 - S12X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
10	Downstream	S12X	287591	RENAKER



1, 00:00:01, 0.00 m
Start node, manhole, reference: S12



2, 00:00:03, 0.00 m
Water level, 5% of the vertical dimension



3, 00:00:14, 3.75 m
Junction at 12 o'clock, 100mm dia



4, 00:00:29, 8.34 m
Finish node, manhole, reference: JS

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Section Inspection - 11/11/2025 - MH-C01X

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
11	19	11/11/25	15:09	287591	No Rain Or Snow	Yes	MH-C01X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
NM	Not Specified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Manchester City Centre	**Inspection Direction:**	Upstream	**Upstream Node:**	MH-C01
Road:	Port Street	**Inspected Length:**	12.04 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	12.04 m	**Downstream Node:**	MH3
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:105



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH-C01	00:00:00	1	
0.00	WL	Water level, 5% of the vertical dimension	00:00:02	2	
12.04	OCF	Finish node, other special chamber, reference: MH3: U BEND	00:00:39	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**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 11/11/2025 - MH-C01X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
11	Upstream	MH-C01X	287591	RENAKER



1, 00:00:00, 0.00 m
Start node, manhole, reference: MH-C01



2, 00:00:02, 0.00 m
Water level, 5% of the vertical dimension



3, 00:00:39, 12.04 m
Finish node, other special chamber, reference: MH3, U BEND

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Section Inspection - 11/11/2025 - MH-C01X

WEB PROJECT
CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
11	11	11/11/25	10:41	287591	No Rain Or Snow	Yes	MH-C01X

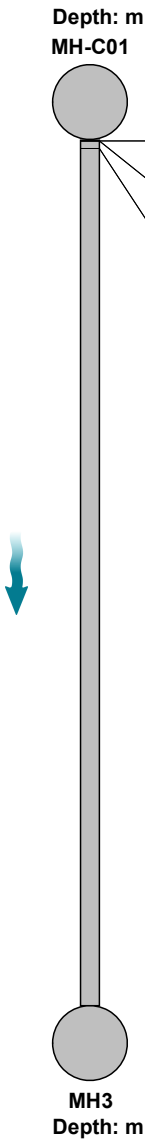
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
NM	Not Specified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Manchester City Centre	**Inspection Direction:**	Downstream	**Upstream Node:**	MH-C01
Road:	Port Street	**Inspected Length:**	0.12 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	12.04 m	**Downstream Node:**	MH3
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:105



Position [m]	Code	Observation	MPEG	Photo	Grade
0.02	MH	Start node, manhole, reference: MH3	00:00:00	1	
0.02	WL	Water level, 5% of the vertical dimension	00:00:03	2	
0.12	OCF	Finish node, other special chamber, reference: MH-C01: U BEND	00:00:33	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**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 11/11/2025 - MH-C01X

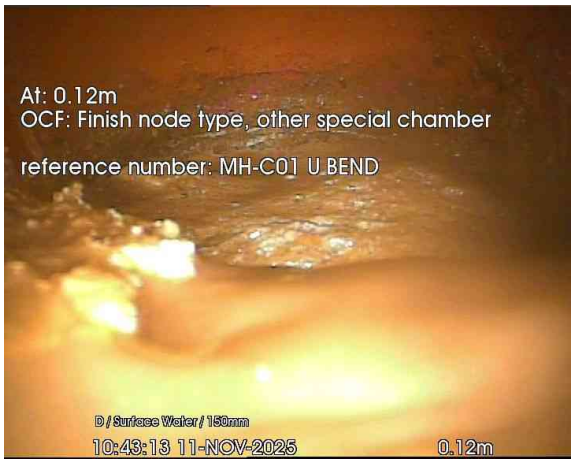
Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
11	Downstream	MH-C01X	287591	RENAKER



1, 00:00:00, 0.02 m
Start node, manhole, reference: MH3



2, 00:00:03, 0.02 m
Water level, 5% of the vertical dimension



3, 00:00:33, 0.12 m
Finish node, other special chamber, reference: MH-C01, U BEND

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Section Inspection - 11/11/2025 - MH-C01X

WEB PROJECT
CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
12	12	11/11/25	12:29	287591	No Rain Or Snow	Yes	MH-C01X

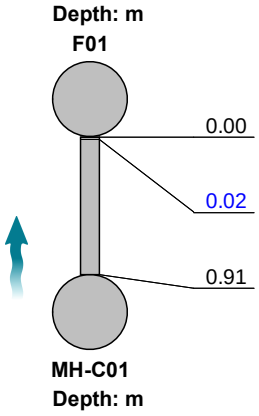
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
NM	Not Specified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Manchester City Centre	**Inspection Direction:**	Upstream	**Upstream Node:**	MH-C01
Road:	Port Street	**Inspected Length:**	0.91 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	0.91 m	**Downstream Node:**	F01
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH-C01	00:00:01	1	
0.02	WL	Water level, 5% of the vertical dimension	00:00:02	2	
0.91	OCF	Finish node, other special chamber, reference: F01: HYDROBBRAKE	00:00:14	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**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 11/11/2025 - MH-C01X

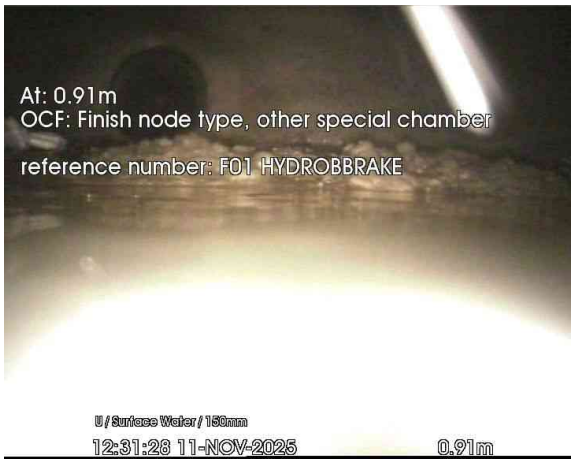
Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
12	Upstream	MH-C01X	287591	RENAKER



1, 00:00:01, 0.00 m
Start node, manhole, reference: MH-C01



2, 00:00:02, 0.02 m
Water level, 5% of the vertical dimension



3, 00:00:14, 0.91 m
Finish node, other special chamber, reference: F01, HYDROBBRAKE

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Section Inspection - 11/11/2025 - MH3X

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
13	15	11/11/25	14:33	287591	No Rain Or Snow	Yes	MH3X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
NM	Not Specified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Manchester City Centre	**Inspection Direction:**	Upstream	**Upstream Node:**	MH3
Road:	Port Street	**Inspected Length:**	8.64 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	8.64 m	**Downstream Node:**	S5
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:75



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH3	00:00:01	1	
0.00	WL	Water level, 5% of the vertical dimension	00:00:02	2	
0.00	LL	Line deviates left	00:00:04	3	
8.64	OCF	Finish node, other special chamber, reference: S5: HYDROBRAKE	00:00:31	4	

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

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Section Pictures - 11/11/2025 - MH3X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
13	Upstream	MH3X	287591	RENAKER



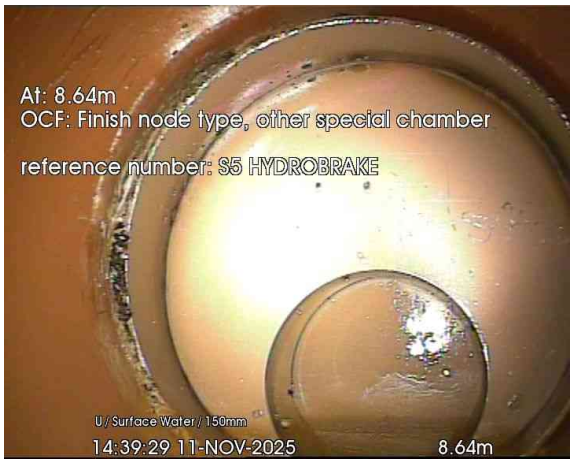
1, 00:00:01, 0.00 m
Start node, manhole, reference: MH3



2, 00:00:02, 0.00 m
Water level, 5% of the vertical dimension



3, 00:00:04, 0.00 m
Line deviates left



4, 00:00:31, 8.64 m
Finish node, other special chamber, reference: S5, HYDROBRAKE

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Section Inspection - 11/11/2025 - S10X

WEB PROJECT
CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
14	17	11/11/25	14:49	287591	No Rain Or Snow	Yes	S10X

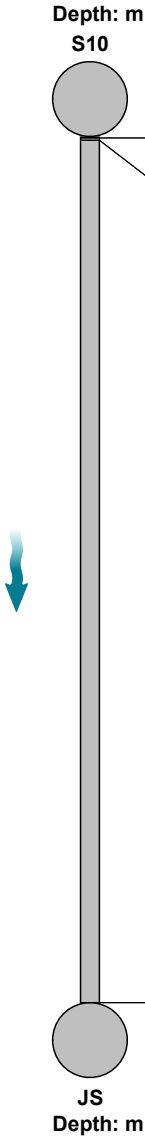
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
NM	Not Specified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Manchester City Centre	**Inspection Direction:**	Downstream	**Upstream Node:**	S10
Road:	Port Street	**Inspected Length:**	14.79 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	14.79 m	**Downstream Node:**	JS
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:129



Position [m]	Code	Observation	MPEG	Photo	Grade
0.02	MH	Start node, manhole, reference: S10	00:00:00	1	
0.06	WL	Water level, 5% of the vertical dimension	00:00:02	2	
14.79	MHF	Finish node, manhole, reference: JS	00:00:33	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**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 11/11/2025 - S10X

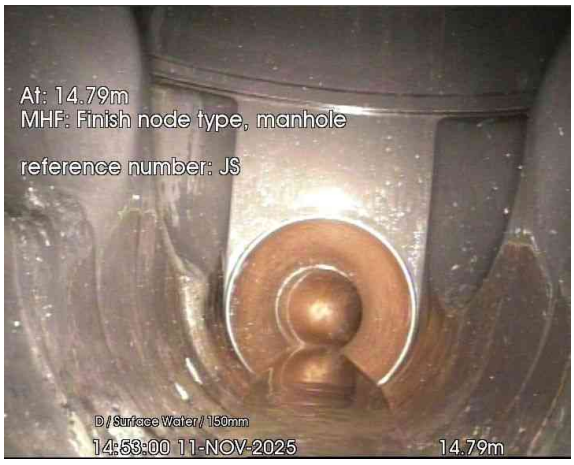
Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
14	Downstream	S10X	287591	RENAKER



1, 00:00:00, 0.02 m
Start node, manhole, reference: S10



2, 00:00:02, 0.06 m
Water level, 5% of the vertical dimension



3, 00:00:33, 14.79 m
Finish node, manhole, reference: JS

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Section Inspection - 11/11/2025 - JSX

WEB PROJECT CLICK TO OPEN THIS SECTION

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
15	18	11/11/25	15:02	287591	No Rain Or Snow	Yes	JSX

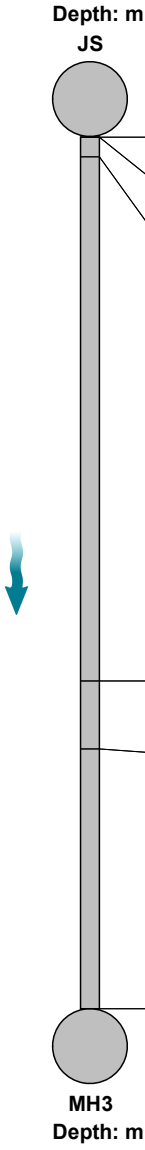
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
NM	Not Specified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Manchester City Centre	**Inspection Direction:**	Downstream	**Upstream Node:**	JS
Road:	Port Street	**Inspected Length:**	21.48 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	21.48 m	**Downstream Node:**	MH3
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:186



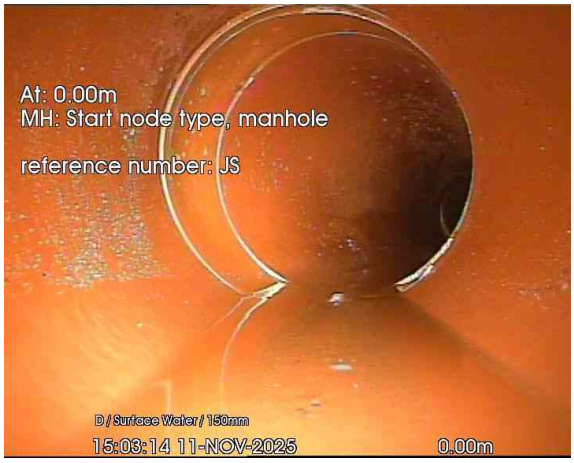
Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: JS	00:00:00	1	
0.00	WL	Water level, 5% of the vertical dimension	00:00:02	2	
0.49	LR	Line deviates right	00:00:05	3	
13.40	LR	Line deviates right	00:00:32	4	
15.08	LL	Line deviates left	00:00:42	5	
21.48	MHF	Finish node, manhole, reference: MH3	00:01:16	6	

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

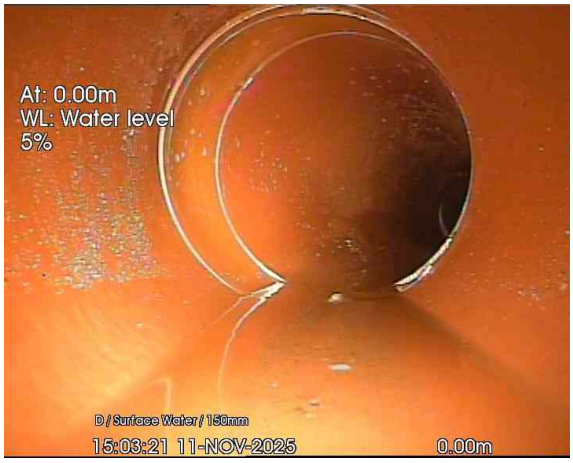
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Section Pictures - 11/11/2025 - JSX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
15	Downstream	JSX	287591	RENAKER



1, 00:00:00, 0.00 m
Start node, manhole, reference: JS



2, 00:00:02, 0.00 m
Water level, 5% of the vertical dimension



3, 00:00:05, 0.49 m
Line deviates right



4, 00:00:32, 13.40 m
Line deviates right

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Section Pictures - 11/11/2025 - JSX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
15	Downstream	JSX	287591	RENAKER



5, 00:00:42, 15.08 m
Line deviates left



6, 00:01:16, 21.48 m
Finish node, manhole, reference: MH3