

Project

Project Name: Premier House_1

Project Description: Premier House

Project Number: GR/7771

Project Date: 08/09/2023

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



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Premier House_1

Project Number
GR/7771

Project Date
08/09/2023

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Project Information

Project Name
Premier House_1

Project Number
GR/7771

Project Date
08/09/2023

Client

Company: CEB Services (UK) Ltd
Town or City: Irlam
Post Code: M44 6RA

Site

Description: Premier House
Street: Blackfriars Street
Town or City: Salford
Post Code: M3 5JR

Contractor

Company: Drainage Consultants Ltd
Street: 20A, Newby Road Industrial Estate
Town or City: Stockport
Post Code: SK7 5DA
Phone: 0161 483 2298



**DRAINAGE
CONSULTANTS LTD**
Professional Drainage Contractors



Section Inspection - 30/08/2023 - RWDP3 (F1)X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
1	1	30/08/23	12:24	Not Specified	Not Specified	Not Specified	RWDP3 (F1)X
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	RWDP3 (F1)
Road:	Blackfriars Street	Inspected Length:	6.00 m	Upstream Pipe Depth:	
Location:		Total Length:	6.00 m	Downstream Node:	DISCHARGE
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	75 mm		
Flow Control:		Pipe Material:	Cast iron		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:52	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m RWDP3 (F1)							
		0.00	BR	Start node, major connection without manhole, reference: RWDP3 (F1)	00:00:00	RWDP3 (L1)X_3d9ff682-6224	
		0.00	REM	General remark: Camera travelling vertically down to 5.8m	00:00:21		
		5.90	DES	Settled deposits, fine, 20% cross-sectional area loss: Debris/silt	00:00:56	RWDP3 (L1)X_55c78bcf-127	4
		6.00	SA	Survey abandoned: Unable to pass debris/silt	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
0	0.0	0.0	0.0	1.0	1	5.0	0.8	5.0	4.0



Section Pictures - 30/08/2023 - RWDP3 (F1)X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	RWDP3 (F1)X		



RWDP3

(L1)X_3d9ff682-6224-418b-a84c-b42015fb200c_20230908_095500_934.jpg, 00:00:00, 0.00 m
Start node, major connection without manhole, reference:
RWDP3 (F1)



RWDP3

(L1)X_55c78bcf-127c-4aaf-8c6a-21fc4b515138_20230908_095728_466.jpg, 00:00:56, 5.90 m
Settled deposits, fine, 20% cross-sectional area loss,
Debris/silt

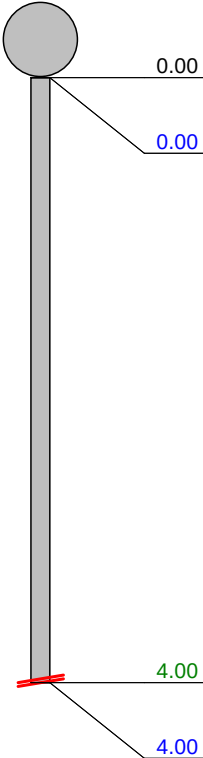


Section Inspection - 30/08/2023 - RWDP4 (F1)X

Item No. 2	Insp. No. 1	Date 30/08/23	Time 12:33	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR RWDP4 (F1)X
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	RWDP4 (F1)
Road:	Blackfriars Street	Inspected Length:	4.00 m	Upstream Pipe Depth:	
Location:		Total Length:	4.00 m	Downstream Node:	DISCHARGE
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	75 mm		
Flow Control:		Pipe Material:	Cast iron		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:
Recommendations:

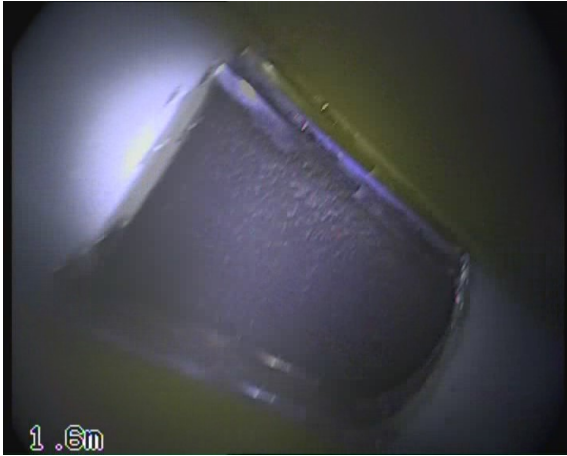
Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m RWDP4 (F1)							
		0.00	BR	Start node, major connection without manhole, reference: RWDP4 (F1)	00:00:00	RWDP4 (L1)X_b25 b661d-ab6	
		0.00	REM	General remark: Camera travelling vertically down to 4.0m	00:00:30		
		4.00	DES	Settled deposits, fine, 100% cross-sectional area loss	00:00:46	RWDP4 (L1)X_d65 d6fb4-3bd	5
		4.00	SA	Survey abandoned: Unable to pass	00:00:52		

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	10.0	2.5	10.0	5.0



Section Pictures - 30/08/2023 - RWDP4 (F1)X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Downstream	RWDP4 (F1)X		



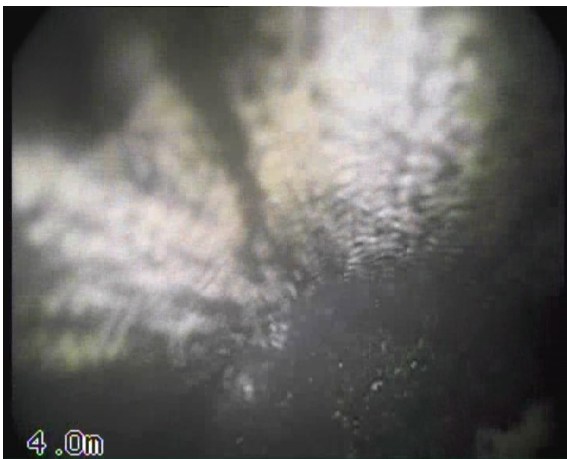
RWDP4

(L1)X_b25b661d-ab60-4a39-bf4f-e1d31b51f394_20230908_1
01129_842.jpg, 00:00:00, 0.00 m
Start node, major connection without manhole, reference:
RWDP4 (F1)



RWDP4

(L1)X_5e020813-bf01-43e8-a484-a2c8e8337b2f_20230908_1
01154_726.jpg, 00:00:00, 0.00 m
Start node, major connection without manhole, reference:
RWDP4 (F1)



RWDP4

(L1)X_d65d6fb4-3bd4-43c8-9f0d-3addbb825834_20230908_1
01525_687.jpg, 00:00:46, 4.00 m
Settled deposits, fine, 100% cross-sectional area loss



Section Inspection - 30/08/2023 - RWDP5 (F1)X

Item No. 3	Insp. No. 1	Date 30/08/23	Time 12:36	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR RWDP5 (F1)X
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	RWDP5 (F1)
Road:	Blackfriars Street	Inspected Length:	0.10 m	Upstream Pipe Depth:	
Location:		Total Length:	0.10 m	Downstream Node:	DISCHARGE
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	75 mm		
Flow Control:		Pipe Material:	Cast iron		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m RWDP5 (F1) 0.00 0.00 0.10							
			BR	Start node, major connection without manhole, reference: RWDP5 (L1)	00:00:00	RWDP5 (L1)X_92c348e0-769	
			DES	Settled deposits, fine, 100% cross-sectional area loss	00:00:12	RWDP5 (L1)X_e966202c-af3	5
			SA	Survey abandoned: Unable to pass silt			

Construction Features

Structural Defects

Miscellaneous Features

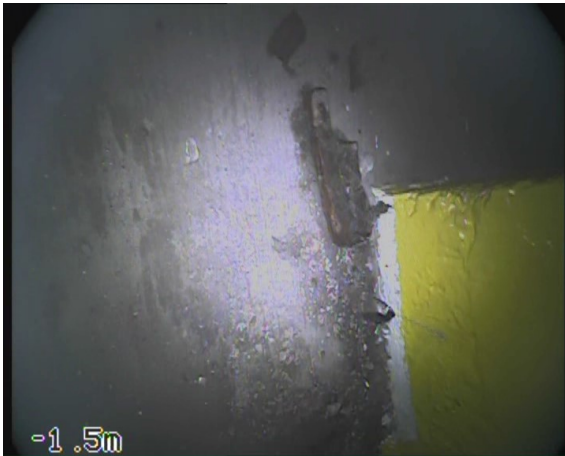
Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	10.0	100.0	10.0	5.0



Section Pictures - 30/08/2023 - RWDP5 (F1)X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
3	Downstream	RWDP5 (F1)X		



RWDP5
(L1)X_92c348e0-7695-4fff-a2c3-bedddaad3c2f_20230908_101718_040.jpg, 00:00:00, 0.00 m
Start node, major connection without manhole, reference:
RWDP5 (L1)



RWDP5
(L1)X_c49708bb-b0a7-49dd-b10f-ea25c05b995b_20230908_101722_352.jpg, 00:00:00, 0.00 m
Start node, major connection without manhole, reference:
RWDP5 (L1)



RWDP5
(L1)X_e966202c-af31-431e-998c-c26020799a07_20230908_101750_530.jpg, 00:00:12, 0.00 m
Settled deposits, fine, 100% cross-sectional area loss



Section Inspection - 30/08/2023 - RWDP6 (F1)X

Item No. 4	Insp. No. 1	Date 30/08/23	Time 12:39	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR RWDP6 (F1)X
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	RWDP6 (F1)
Road:	Blackfriars Street	Inspected Length:	6.50 m	Upstream Pipe Depth:	
Location:		Total Length:	6.50 m	Downstream Node:	DISCHARGE
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	75 mm		
Flow Control:		Pipe Material:	Cast iron		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:57	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m RWDP6 (F1)							
		0.00	BR	Start node, major connection without manhole, reference: RWDP6 (F1)	00:00:00	RWDP6 (L1)X_bc3 8c55f-aa9	
		0.00	REM	General remark: Camera travelling vertically down to 6.5m	00:00:20		
		0.00	GP	General photograph taken at this point	00:00:34	RWDP6 (L1)X_e36 90cff-ba78	
		6.50	OBZ	Other obstacles from 12 o'clock to 12 o'clock, 75% cross-sectional area loss: Obstruction	00:00:54	RWDP6 (L1)X_c24 db34c-f1e	5
		6.50	SA	Survey abandoned: Unable to pass obstruction	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
0	0.0	0.0	0.0	1.0	1	10.0	1.5	10.0	5.0



Section Pictures - 30/08/2023 - RWDP6 (F1)X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Downstream	RWDP6 (F1)X		



RWDP6
(L1)X_bc38c55f-aa92-4e3a-ba6f-69f6bb645067_20230908_1
02352_431.jpg, 00:00:00, 0.00 m
Start node, major connection without manhole, reference:
RWDP6 (F1)



RWDP6
(L1)X_e3690cff-ba78-4c8d-b1fe-cddd9bf8a740_20230908_10
2442_700.jpg, 00:00:34, 0.00 m
General photograph taken at this point

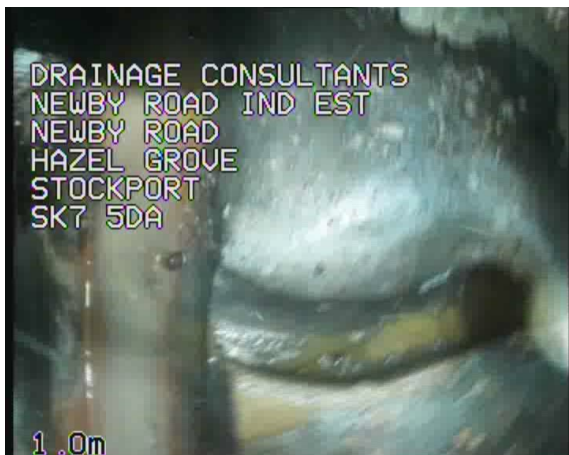


RWDP6
(L1)X_c24db34c-f1e1-4a54-bbe5-7b7f02461667_20230908_1
02538_566.jpg, 00:00:54, 6.50 m
Other obstacles from 12 o'clock to 12 o'clock, 75%
cross-sectional area loss, Obstruction

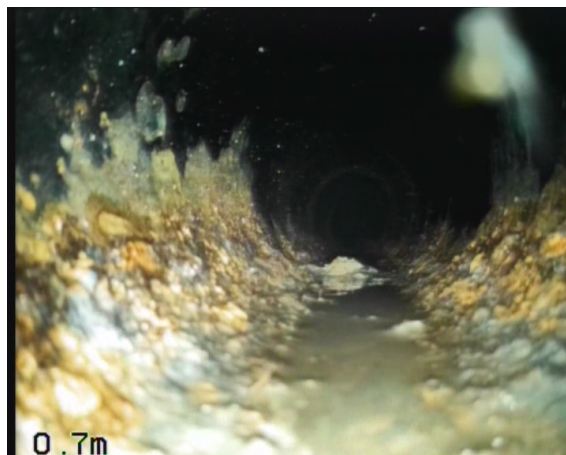


Section Pictures - 31/08/2023 - HOLX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
5	Upstream	HOLX		



HOLX_6a625c5e-44e9-4f11-8f06-334356a457ec_20230908_102704_934.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: MH1 B1



HOLX_267a0624-395d-4c13-ac1f-ff0a4ed4e44a_20230908_103132_502.jpg, 00:00:18, 0.20 m
Pipe material changes to cast iron at this point



HOLX_635b2e72-483c-4576-8c41-43bc37262ae1_20230908_103307_029.jpg, 00:00:51, 9.80 m
Finish node, gully, reference: HOL

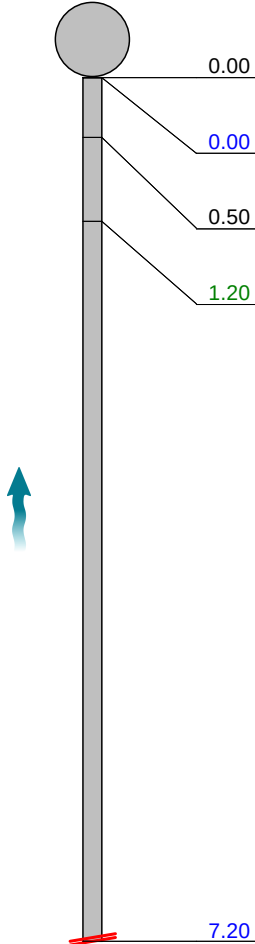


Section Inspection - 31/08/2023 - HOLX

Item No. 6	Insp. No. 1	Date 31/08/23	Time 12:35	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR HOLX
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	HOL
Road:	Blackfriars Street	Inspected Length:	7.20 m	Upstream Pipe Depth:	
Location:		Total Length:	7.20 m	Downstream Node:	MH1 B2
Surface Type:		Joint Length:		Downstream Pipe Depth:	0.500 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	100 mm		
Flow Control:		Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:
Recommendations:

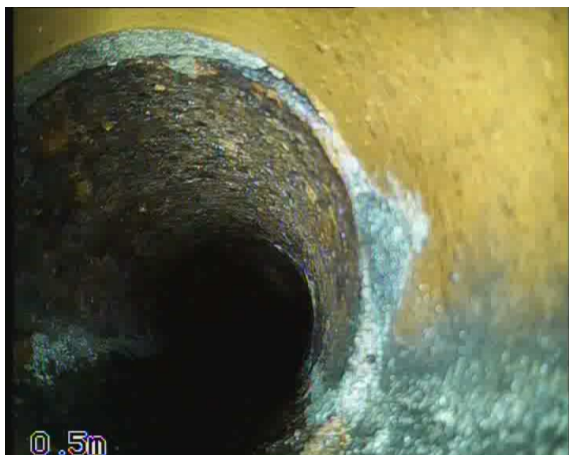
Scale:	1:63	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.50 m MH1 B2 							
	0.00	MH	Start node, manhole, reference: MH1 B2		00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension				
	0.50	MCCI	Pipe material changes to cast iron at this point		00:00:08	HOLX_5b8 bccbd-75d 2-47b9-af7	
	1.20	DER	Settled deposits, coarse, 20% cross-sectional area loss		00:00:13	HOLX_702 6859b-40d 0-4aca-84	4
	7.20	SA	Survey abandoned: Unable to pass stones/rocks		00:00:34	HOLX_c1e b0fe9-052f -4f62-b33a	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	5.0	0.7	5.0	4.0



Section Pictures - 31/08/2023 - HOLX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
6	Upstream	HOLX		



HOLX_5b8bccbd-75d2-47b9-af72-7759db7d0753_20230908_103427_669.jpg, 00:00:08, 0.50 m
Pipe material changes to cast iron at this point



HOLX_7026859b-40d0-4aca-84e8-937f54658df8_20230908_103745_461.jpg, 00:00:13, 1.20 m
Settled deposits, coarse, 20% cross-sectional area loss



HOLX_c1eb0fe9-052f-4f62-b33a-dcf2a21ca54e_20230908_104016_325.jpg, 00:00:34, 7.20 m
Survey abandoned, Unable to pass stones/rocks



Section Inspection - 31/08/2023 - HOLX

Item No. 7	Insp. No. 1	Date 31/08/23	Time 12:36	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR HOLX
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	HOL
Road:	Blackfriars Street	Inspected Length:	7.10 m	Upstream Pipe Depth:	
Location:		Total Length:	7.10 m	Downstream Node:	MH1 B3
Surface Type:		Joint Length:		Downstream Pipe Depth:	0.500 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	100 mm		
Flow Control:		Pipe Material:	Cast iron		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:62	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.50 m MH1 B3							
		0.00	MH	Start node, manhole, reference: MH1 B3	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension	00:00:05		
		7.10	GYF	Finish node, gully, reference: HOL	00:00:27	HOLX_1e7 107c5-0af 4-4181-bd	
				HOL			
				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



Section Pictures - 31/08/2023 - HOLX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
7	Upstream	HOLX		



HOLX_1e7107c5-0af4-4181-bd74-973604107363_20230908_
104725_938.jpg, 00:00:27, 7.10 m
Finish node, gully, reference: HOL



Section Inspection - 31/08/2023 - HOLX

Item No. 8	Insp. No. 1	Date 31/08/23	Time 12:36	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR HOLX
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	HOL
Road:	Blackfriars Street	Inspected Length:	3.10 m	Upstream Pipe Depth:	
Location:		Total Length:	3.10 m	Downstream Node:	MH1
Surface Type:		Joint Length:		Downstream Pipe Depth:	0.500 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	100 mm		
Flow Control:		Pipe Material:	Cast iron		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.50 m							
MH1							
		0.00	MH	Start node, manhole, reference: MH1	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension	00:00:10		
		3.10	GYF	Finish node, gully, reference: HOL	00:00:19	HOLX_087 c7e53-fa4 0-4c37-88	
HOL Depth: m							

Construction Features

Structural Defects

Miscellaneous Features

Service & Operational Observations

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



Section Pictures - 31/08/2023 - HOLX

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



HOLX_087c7e53-fa40-4c37-88a0-d4772cc9c07b_20230908_104841_467.jpg, 00:00:19, 3.10 m
Finish node, gully, reference: HOL



Section Inspection - 31/08/2023 - HOLX

Item No. 9	Insp. No. 1	Date 31/08/23	Time 12:40	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR HOLX
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	HOL
Road:	Blackfriars Street	Inspected Length:	9.60 m	Upstream Pipe Depth:	
Location:		Total Length:	9.60 m	Downstream Node:	MH1 B2
Surface Type:		Joint Length:		Downstream Pipe Depth:	0.500 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	100 mm		
Flow Control:		Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:84	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.50 m MH1 B2							
		0.00	MH	Start node, manhole, reference: MH1 B2	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension	00:00:14		
		0.20	MCCI	Pipe material changes to cast iron at this point	00:00:14	HOLX_ebe d43cd-c34 f-4d7b-b7d	
		9.60	DER	Settled deposits, coarse, 100% cross-sectional area loss: Stones/debris	00:00:44	HOLX_94b c95b6-bb2 7-4b87-95	5
		9.60	SA	Survey abandoned: Unable to pass stone/debris	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
0	0.0	0.0	0.0	1.0	1	10.0	1.0	10.0	5.0

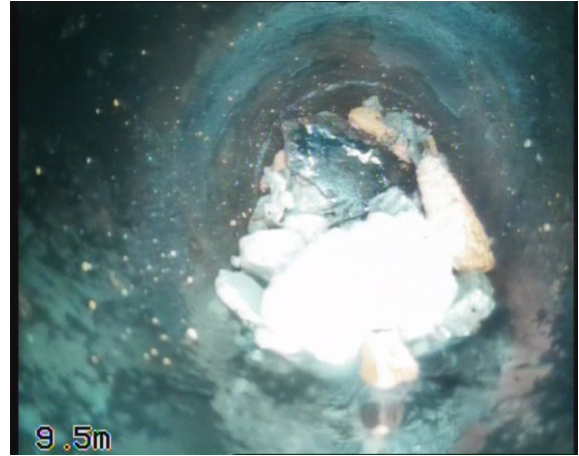


Section Pictures - 31/08/2023 - HOLX

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



HOLX_ebed43cd-c34f-4d7b-b7d4-5a171220b17d_20230908_105219_386.jpg, 00:00:14, 0.20 m
Pipe material changes to cast iron at this point



HOLX_94bc95b6-bb27-4b87-95e1-b52527d7f798_20230908_105308_299.jpg, 00:00:44, 9.60 m
Settled deposits, coarse, 100% cross-sectional area loss, Stones/debris



Item No. 10	Insp. No. 1	Date 31/08/23	Time 12:50	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR HOLX
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	HOL
Road:	Blackfriars Street	Inspected Length:	9.60 m	Upstream Pipe Depth:	
Location:		Total Length:	9.60 m	Downstream Node:	MH1 B2
Surface Type:		Joint Length:		Downstream Pipe Depth:	0.500 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	100 mm		
Flow Control:		Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Recommendations:

Scale:	1:84	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.50 m MH1 B2 0.00 0.00 0.20 9.60 9.60							
			MH	Start node, manhole, reference: MH1 B2	00:00:00	HOLX_dbe 31620-12e f-4f28-a34	
			WL	Water level, 0% of the vertical dimension	00:00:19		
			MCCI	Pipe material changes to cast iron at this point			
			LU	Line deviates up: 90°	00:00:43		
			BRF	Finish node, major connection without manhole, reference: HOL: Vertical section of the drain	00:00:43		

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



Section Pictures - 31/08/2023 - HOLX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
10	Upstream	HOLX		



HOLX_dbe31620-12ef-4f28-a341-15e7d463db7d_20230908_
105659_452.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: MH1 B2



Item No. 11	Insp. No. 1	Date 31/08/23	Time 13:06	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR HOLX
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	HOL
Road:	Blackfriars Street	Inspected Length:	17.50 m	Upstream Pipe Depth:	
Location:		Total Length:	17.50 m	Downstream Node:	MH2
Surface Type:		Joint Length:		Downstream Pipe Depth:	0.650 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	150 mm		
Flow Control:		Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:152	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.65 m MH2							
		0.00	MH	Start node, manhole, reference: MH2	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension	00:00:11		
		0.10	MCCI	Pipe material changes to cast iron at this point	00:00:11		
		17.50	MHF	Finish node, manhole, reference: HOL: MH1	00:01:27	HOLX_fe2 b8aa3-7c9 9-4649-bb	
HOL 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



Section Pictures - 31/08/2023 - HOLX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
11	Upstream	HOLX		



HOLX_fe2b8aa3-7c99-4649-bb80-dc0acf9ba0a7_20230908_1
10326_113.jpg, 00:01:27, 17.50 m
Finish node, manhole, reference: HOL, MH1



Section Inspection - 31/08/2023 - MH2X

Item No. 12	Insp. No. 1	Date 31/08/23	Time 15:29	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR MH2X
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	MH2
Road:	Blackfriars Street	Inspected Length:	16.00 m	Upstream Pipe Depth:	0.800 m
Location:		Total Length:	16.00 m	Downstream Node:	MH3
Surface Type:		Joint Length:		Downstream Pipe Depth:	0.650 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	150 mm		
Flow Control:		Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:139	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.65 m MH3							
	0.00	MH		Start node, manhole, reference: MH3	00:00:00		
	0.00	WL		Water level, 0% of the vertical dimension	00:00:12		
	0.10	MCCI		Pipe material changes to cast iron at this point	00:00:16		
	16.00	MHF		Finish node, manhole, reference: MH2	00:01:06	MH2X_b1c 7efed-494 8-4f80-81f	
Depth: 0.80 m MH2							

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



Section Pictures - 31/08/2023 - MH2X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
12	Upstream	MH2X		



MH2X_b1c7efed-4948-4f80-81f8-34ccf8402d40_20230908_1
10716_266.jpg, 00:01:06, 16.00 m
Finish node, manhole, reference: MH2



Drainage Consultants Ltd
20A, Newby Road Industrial Estate, Stockport
Tel. 0161 483 2298

Item No. 13	Insp. No. 1	Date 31/08/23	Time 15:39	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR MH4X
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	MH4
Road:	Blackfriars Street	Inspected Length:	18.50 m	Upstream Pipe Depth:	1.000 m
Location:		Total Length:	18.50 m	Downstream Node:	DISCHARGE
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	225 mm		
Flow Control:		Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Recommendations:

Scale: 1:161

Position [m]

Depth: 1.00 m

MH4

0.00

0.00

MH

Start node, manhole, reference: MH4

00:00:00

WL

Water level, 0% of the vertical dimension

00:00:12

18.50

MHF

Finish node, manhole, reference: Discharge

00:01:49

MH4X_3d
9fb9c0-3d
0c-4a88-a

Discharge
Depth: m

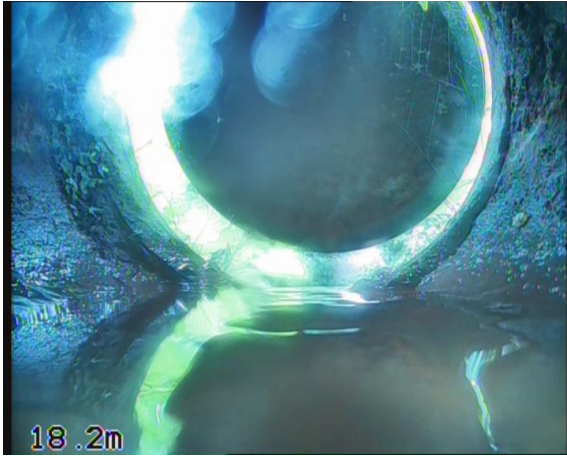
Code	Observation	MPEG	Photo	Grade
MH	Start node, manhole, reference: MH4	00:00:00		
WL	Water level, 0% of the vertical dimension	00:00:12		

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



Section Pictures - 31/08/2023 - MH4X

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



MH4X_3d9fb9c0-3d0c-4a88-aac6-41b3c8c9c5ac_20230908_111303_084.jpg, 00:01:49, 18.50 m
Finish node, manhole, reference: Discharge



Section Inspection - 31/08/2023 - MH3X

Item No. 14	Insp. No. 1	Date 31/08/23	Time 15:56	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR MH3X
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	MH3
Road:	Blackfriars Street	Inspected Length:	12.30 m	Upstream Pipe Depth:	
Location:		Total Length:	12.30 m	Downstream Node:	MH4
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	225 mm		
Flow Control:		Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:107	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH3 0.00 0.00 4.10 12.30 MH4 Depth: m							
		0.00	MH	Start node, manhole, reference: MH3	00:00:00	MH3X_f52 08d97-46b 5-4169-ba	
		0.00	WL	Water level, 0% of the vertical dimension	00:00:18		
		4.10	DES	Settled deposits, fine, 20% cross-sectional area loss: Silt to 7.4m	00:00:25	MH3X_81 68e281-fd 89-4b71-9	4
		12.30	MHF	Finish node, manhole, reference: MH4	00:00:47	MH3X_d2 2ab9fe-3e 86-4866-a	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	5.0	1.2	5.0	4.0

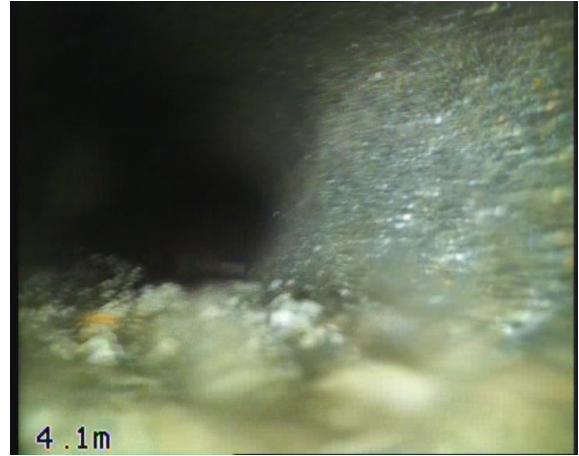


Section Pictures - 31/08/2023 - MH3X

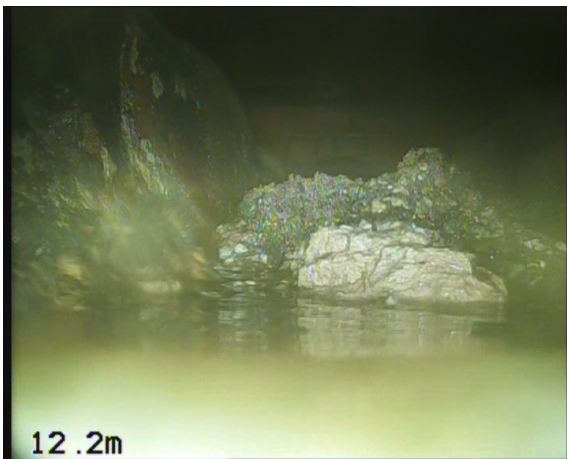
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
14	Downstream	MH3X		



MH3X_f5208d97-46b5-4169-ba97-00f470d1f974_20230908_11404_738.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: MH3



MH3X_8168e281-fd89-4b71-970a-3cf638ef655e_20230908_11518_521.jpg, 00:00:25, 4.10 m
Settled deposits, fine, 20% cross-sectional area loss, Silt to 7.4m



MH3X_d22ab9fe-3e86-4866-ac3d-15849fd61493_20230908_111605_552.jpg, 00:00:47, 12.30 m
Finish node, manhole, reference: MH4



Drainage Consultants Ltd
20A, Newby Road Industrial Estate, Stockport
Tel. 0161 483 2298

Item No. 15	Insp. No. 1	Date 31/08/23	Time 16:16	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR HOLX
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	HOL
Road:	Blackfriars Street	Inspected Length:	9.60 m	Upstream Pipe Depth:	
Location:		Total Length:	9.60 m	Downstream Node:	MH5 B2
Surface Type:		Joint Length:		Downstream Pipe Depth:	0.500 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	100 mm		
Flow Control:		Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:

Recommendations:

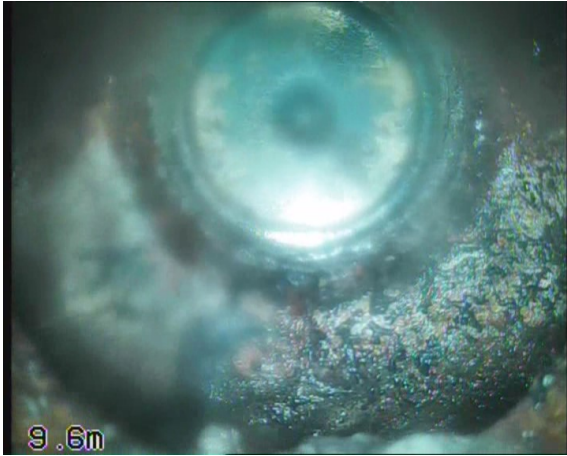
Scale:	1:84	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.50 m MH5 B2 0.00 0.00 9.60 MH WL MCCI GYF Start node, manhole, reference: MH5 B2 Water level, 0% of the vertical dimension Pipe material changes to cast iron at this point Finish node, gully, reference: HOL 00:00:00 00:00:07 00:00:38 HOLX_312 57d95-39f 7-44ca-b9							

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



Section Pictures - 31/08/2023 - HOLX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
15	Upstream	HOLX		



HOLX_31257d95-39f7-44ca-b907-309fcab5ac4b_20230908_1
11738_161.jpg, 00:00:38, 9.60 m
Finish node, gully, reference: HOL

Section Inspection - 31/08/2023 - HOLX

Item No. 16	Insp. No. 1	Date 31/08/23	Time 16:16	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR HOLX
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	HOL
Road:	Blackfriars Street	Inspected Length:	3.80 m	Upstream Pipe Depth:	
Location:		Total Length:	3.80 m	Downstream Node:	MH5 B4
Surface Type:		Joint Length:		Downstream Pipe Depth:	0.500 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	100 mm		
Flow Control:		Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:

Recommendations:

Scale: 1:50 Position [m] Code Observation MPEG Photo Grade

Depth: 0.50 m
MH5 B4

0.00 MH Start node, manhole, reference: MH5 B4 00:00:00

0.00 WL Water level, 0% of the vertical dimension 00:00:12

0.10 MCCI Pipe material changes to cast iron at this point 00:00:17

3.80 GYF Finish node, gully, reference: HOL 00:00:22 HOLX_451
c4044-f8df
-42bc-944

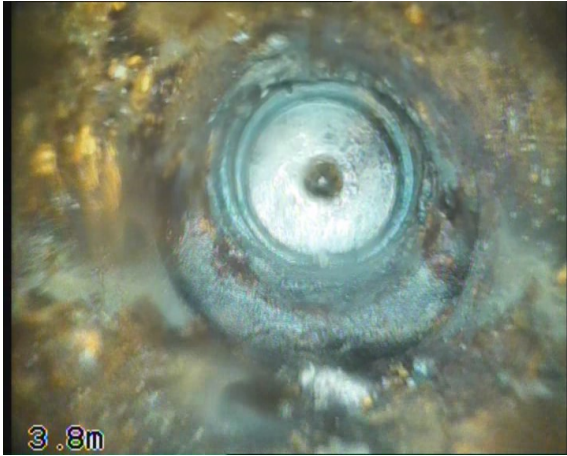
HOL
Depth: m

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



Section Pictures - 31/08/2023 - HOLX

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



HOLX_451c4044-f8df-42bc-9444-5f1dc2f7b555_20230908_11
1945_224.jpg, 00:00:22, 3.80 m
Finish node, gully, reference: HOL



Section Inspection - 01/09/2023 - HOLX

Item No. 17	Insp. No. 1	Date 01/09/23	Time 9:54	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR HOLX
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	HOL
Road:	Blackfriars Street	Inspected Length:	21.40 m	Upstream Pipe Depth:	
Location:		Total Length:	21.40 m	Downstream Node:	MH5 B1
Surface Type:		Joint Length:		Downstream Pipe Depth:	0.500 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	100 mm		
Flow Control:		Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:186	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.50 m MH5 B1						
0.00	MH	Start node, manhole, reference: MH5 B1	00:00:00	HOLX_c2a 7b354-6d0 6-4420-b5		
0.00	WL	Water level, 0% of the vertical dimension	00:00:27			
0.10	MCCI	Pipe material changes to cast iron at this point	00:00:30	HOLX_fce b4b2a-bd4 d-4405-90		
15.90	DER	Settled deposits, coarse, 25% cross-sectional area loss: Stones	00:01:14	HOLX_fd5 669b4-efff- 4b5d-9077		4
21.30	LU	Line deviates up: 90°	00:01:34			
21.40	BRF	Finish node, major connection without manhole, reference: HOL: Vertical section of the drain	00:01:34			
HOL 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	1	5.0	0.2	5.0	4.0

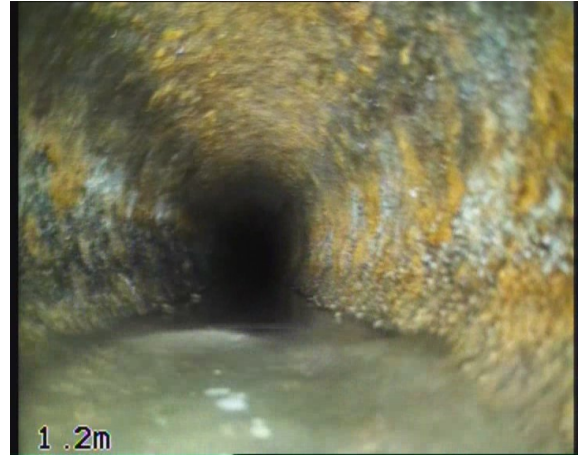


Section Pictures - 01/09/2023 - HOLX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
17	Upstream	HOLX		



HOLX_c2a7b354-6d06-4420-b5ee-66565ba5509a_20230908_112112_610.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: MH5 B1



HOLX_fceb4b2a-bd4d-4405-90a2-7a6b3a2bd031_20230908_112212_976.jpg, 00:00:30, 0.10 m
Pipe material changes to cast iron at this point

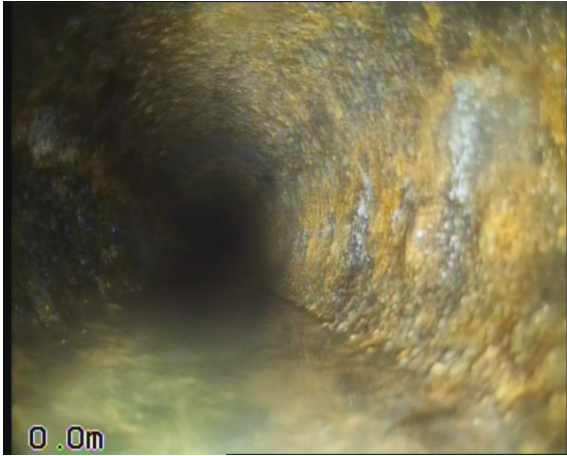


HOLX_fd5669b4-efff-4b5d-9077-7f1b6216390f_20230908_113147_577.jpg, 00:01:14, 15.90 m
Settled deposits, coarse, 25% cross-sectional area loss, Stones



Section Pictures - 01/09/2023 - HOLX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
18	Upstream	HOLX		



HOLX_4557fe2f-fa25-4141-8423-8ac0f78c90b5_20230908_1
13455_551.jpg, 00:00:08, 0.10 m
Pipe material changes to cast iron at this point



Section Inspection - 01/09/2023 - MH7X

Item No. 19	Insp. No. 1	Date 01/09/23	Time 12:23	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR MH7X
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	MH7
Road:	Blackfriars Street	Inspected Length:	5.20 m	Upstream Pipe Depth:	
Location:		Total Length:	5.20 m	Downstream Node:	MH6 B1
Surface Type:		Joint Length:		Downstream Pipe Depth:	0.500 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	100 mm		
Flow Control:		Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.50 m MH6 B1							
		0.00	MH	Start node, manhole, reference: MH6 B1	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension	00:00:08		
		0.00	MCCI	Pipe material changes to cast iron at this point	00:00:08		
		0.30	DEE	Attached deposits, encrustation from 3 o'clock to 6 o'clock, 25% cross-sectional area loss	00:00:08	MH7X_05 b1cd5e-9e 6c-4792-8	4
		4.70	DES	Settled deposits, fine, 25% cross-sectional area loss: Silt/stones	00:00:41	MH7X_05f 232a3-417 0-4345-9a	4
		5.20	SA	Survey abandoned: Unable to pass silt/stones	00:00:46		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	2	5.0	2.1	10.0	4.0

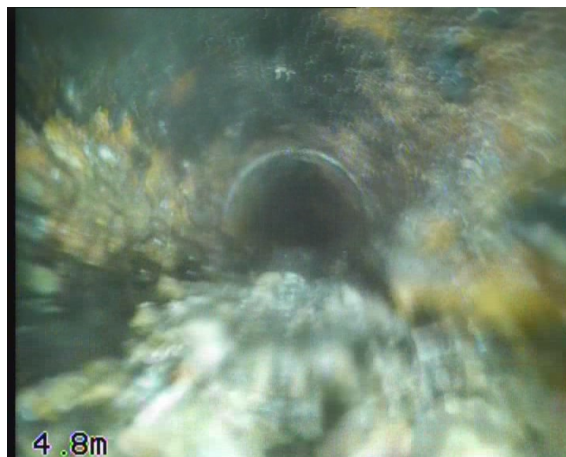


Section Pictures - 01/09/2023 - MH7X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
19	Upstream	MH7X		



MH7X_05b1cd5e-9e6c-4792-83ce-61d97ae24e37_20230908_122529_746.jpg, 00:00:08, 0.30 m
Attached deposits, encrustation from 3 o'clock to 6 o'clock,
25% cross-sectional area loss

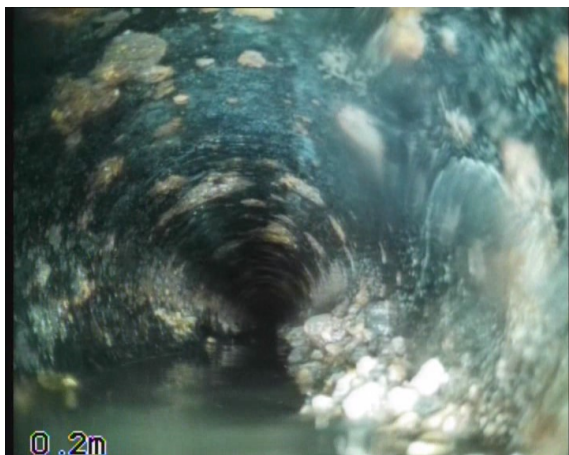


MH7X_05f232a3-4170-4345-9aab-8eff82b04f2c_20230908_122613_835.jpg, 00:00:41, 4.70 m
Settled deposits, fine, 25% cross-sectional area loss,
Silt/stones

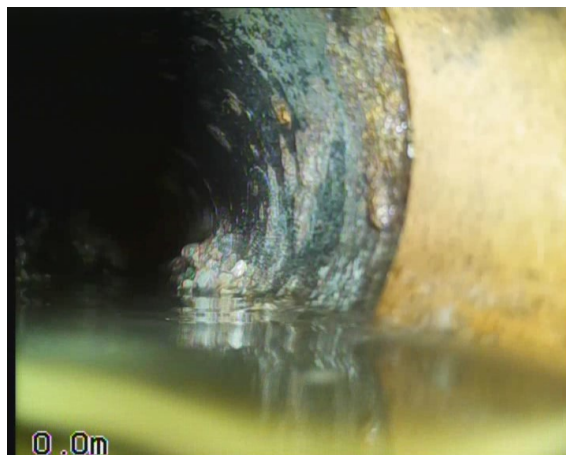


Section Pictures - 01/09/2023 - HOLX

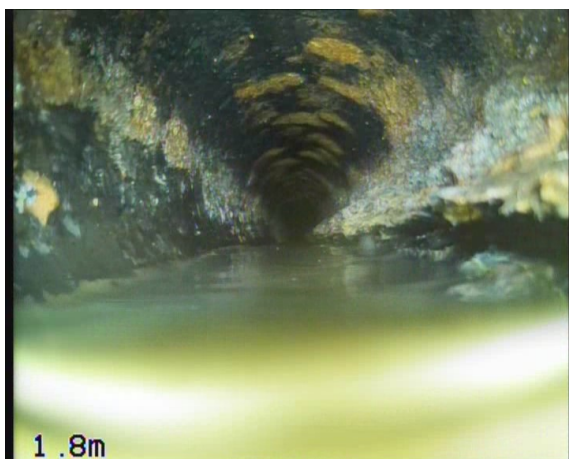
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
20	Upstream	HOLX		



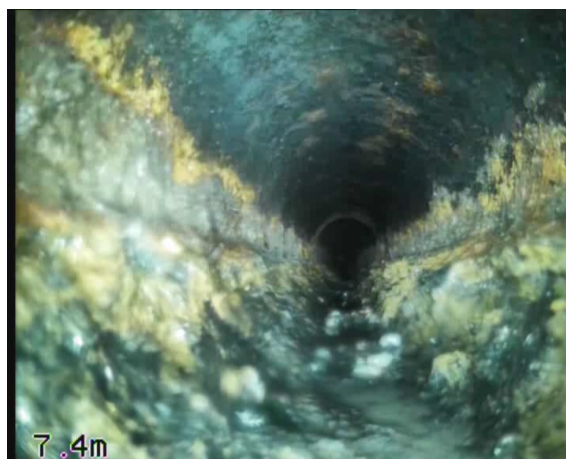
HOLX_7c2a1aa2-165e-4995-beea-27b7d8be3c77_20230911_074626_321.jpg, 00:00:09, 0.00 m
Settled deposits, coarse, 20% cross-sectional area loss, Silt/stone



HOLX_f8c91138-40f5-4b34-97c7-bbcc5eac1454_20230911_074113_332.jpg, 00:00:08, 0.10 m
Pipe material changes to cast iron at this point



HOLX_93e63aa0-d5b5-4514-985c-4dfadebf3cd7_20230911_074722_536.jpg, 00:00:16, 1.80 m
Attached deposits, encrustation from 3 o'clock to 9 o'clock, 20% cross-sectional area loss, throughout



HOLX_5dee4ea5-1ae1-40b2-a2f2-c8d17331fcfc_20230911_074926_281.jpg, 00:00:16, 1.80 m
Attached deposits, encrustation from 3 o'clock to 9 o'clock, 20% cross-sectional area loss, throughout



Section Pictures - 01/09/2023 - HOLX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
20	Upstream	HOLX		



HOLX_9c8a58df-63b3-4f94-8d09-97e615cff397_20230911_0
74938_778.jpg, 00:00:51, 11.50 m
Finish node, manhole, reference: HOL, MH7



Section Inspection - 01/09/2023 - RWDP-7X

Item No. 21	Insp. No. 1	Date 01/09/23	Time 12:35	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR RWDP-7X
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	RWDP-7
Road:	Blackfriars Street	Inspected Length:	7.70 m	Upstream Pipe Depth:	
Location:		Total Length:	7.70 m	Downstream Node:	MH7 B2
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	100 mm		
Flow Control:		Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:67	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH7 B2 0.00 0.00 0.00 7.70 RWDP-7 Depth: m							
		0.00	MH	Start node, manhole, reference: MH7 B2	00:00:00	RWDP-7X _d68a471 0-d120-4c	
		0.00	WL	Water level, 0% of the vertical dimension	00:00:23		
		0.00	MCCI	Pipe material changes to cast iron at this point	00:00:24	RWDP-7X _d35755e 1-e12f-429	
		7.70	GYF	Finish node, gully, reference: RWDP-7	00:01:02	RWDP-7X _c633b9e 4-4f45-408	

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

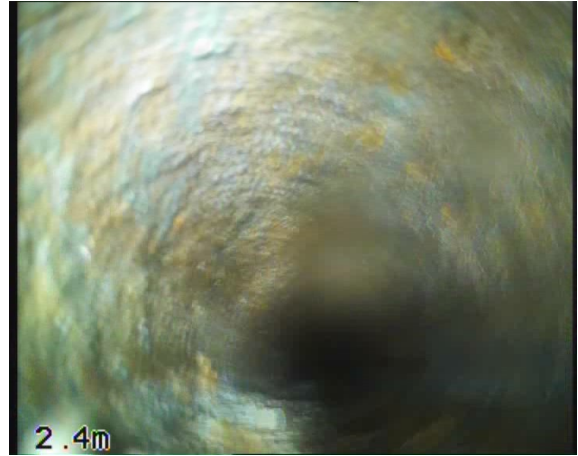


Section Pictures - 01/09/2023 - RWDP-7X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
21	Upstream	RWDP-7X		



RWDP-7X_d68a4710-d120-4c53-8a9f-088bab8dbcd_b_20230911_075910_663.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: MH7 B2



RWDP-7X_d35755e1-e12f-429e-9ff6-1c84a06ac8cb_20230911_080207_032.jpg, 00:00:24, 0.00 m
Pipe material changes to cast iron at this point



RWDP-7X_c633b9e4-4f45-4081-8d6a-77aa8a96dea0_20230911_081644_639.jpg, 00:01:02, 7.70 m
Finish node, gully, reference: RWDP-7



Item No. 22	Insp. No. 1	Date 01/09/23	Time 12:45	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR MH5X
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	MH5
Road:	Blackfriars Street	Inspected Length:	11.20 m	Upstream Pipe Depth:	0.500 m
Location:		Total Length:	11.20 m	Downstream Node:	MH6
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	150 mm		
Flow Control:		Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:97	Position [m]	Code	Observation	MPEG	Photo	Grade
		0.00	MH	Start node, manhole, reference: MH6	00:00:00	MH5X_a8 3e40f5-09 d1-4353-9	
		0.00	WL	Water level, 0% of the vertical dimension	00:00:09		
		0.10	MCCI	Pipe material changes to cast iron at this point	00:00:11	MH5X_33 4aed50-00 ad-43d0-9	
		11.20	MHF	Finish node, manhole, reference: MH5	00:00:40	MH5X_10 8ff4c1-89f c-4d78-81	

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

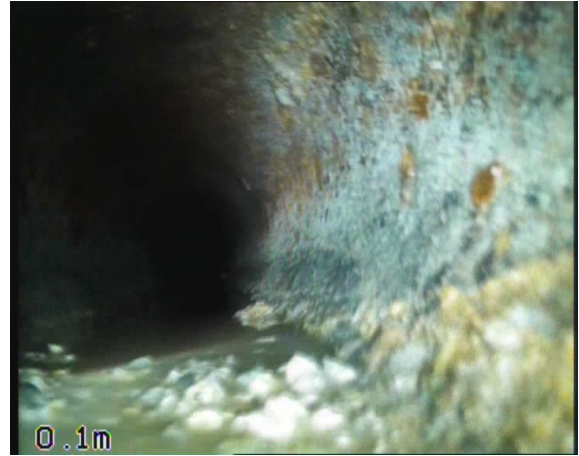


Section Pictures - 01/09/2023 - MH5X

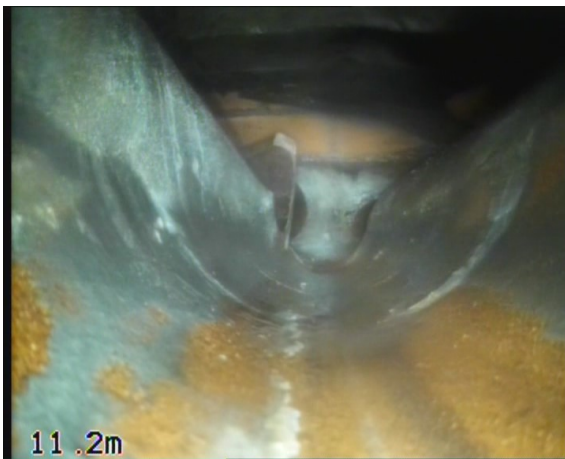
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
22	Upstream	MH5X		



MH5X_a83e40f5-09d1-4353-960f-f334f38e4df2_20230911_082225_893.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: MH6



MH5X_334aed50-00ad-43d0-90dd-790e8de689e2_20230911_082320_725.jpg, 00:00:11, 0.10 m
Pipe material changes to cast iron at this point



MH5X_108ff4c1-89fc-4d78-8114-b7c3d11df538_20230911_082451_477.jpg, 00:00:40, 11.20 m
Finish node, manhole, reference: MH5



Drainage Consultants Ltd
20A, Newby Road Industrial Estate, Stockport
Tel. 0161 483 2298

Item No. 23	Insp. No. 1	Date 01/09/23	Time 13:50	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR MH6X
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	MH6
Road:	Blackfriars Street	Inspected Length:	11.50 m	Upstream Pipe Depth:	
Location:		Total Length:	11.50 m	Downstream Node:	MH8
Surface Type:		Joint Length:		Downstream Pipe Depth:	0.700 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	150 mm		
Flow Control:		Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Recommendations:

Scale:	1:100	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.70 m MH8							
		0.00	MH	Start node, manhole, reference: MH8	00:00:00		
		0.00	CUW	Loss of vision, camera under water: to 1.9m	00:00:15		
		1.90	WL	Water level, 0% of the vertical dimension			
		11.50	MHF	Finish node, manhole, reference: MH6	00:00:51	MH6X_fa7 45684-24b 9-4b5e-aa	

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



Section Pictures - 01/09/2023 - MH6X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
23	Upstream	MH6X		



MH6X_fa745684-24b9-4b5e-aa23-21504a6d6b04_20230911_082815_771.jpg, 00:00:51, 11.50 m
Finish node, manhole, reference: MH6



Section Inspection - 01/09/2023 - MH10X

Item No. 24	Insp. No. 1	Date 01/09/23	Time 14:15	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR MH10X
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	MH10
Road:	Blackfriars Street	Inspected Length:	10.80 m	Upstream Pipe Depth:	1.200 m
Location:		Total Length:	10.80 m	Downstream Node:	DISCHARGE
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	225 mm		
Flow Control:		Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:94	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 1.20 m MH10							
		0.00	MH	Start node, manhole, reference: MH10	00:00:00		
		0.00	WL	Water level, 10% of the vertical dimension	00:00:13		
		7.40	WL	Water level, 20% of the vertical dimension	00:00:32		
		10.80	BRF	Finish node, major connection without manhole, reference: Discharge	00:00:59	MH10X_8 6ee0527-3 ff9-4049-8	
Discharge 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



Section Pictures - 01/09/2023 - MH10X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
24	Downstream	MH10X		



MH10X_86ee0527-3ff9-4049-8b9c-5eebc3a12ce5_20230911_083704_858.jpg, 00:00:59, 10.80 m
Finish node, major connection without manhole, reference:
Discharge



Drainage Consultants Ltd
20A, Newby Road Industrial Estate, Stockport
Tel. 0161 483 2298

Item No. 25	Insp. No. 1	Date 01/09/23	Time 14:19	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR MH8X
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	MH8
Road:	Blackfriars Street	Inspected Length:	7.50 m	Upstream Pipe Depth:	1.000 m
Location:		Total Length:	7.50 m	Downstream Node:	MH9
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	225 mm		
Flow Control:		Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:

Recommendations:

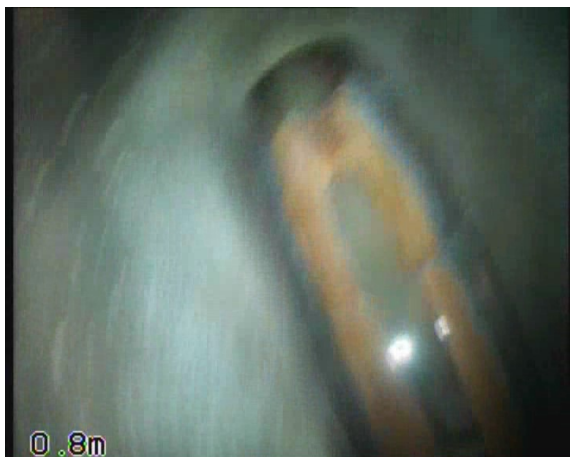
Scale:	1:65	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 1.00 m MH8							
	0.00	MH	Start node, manhole, reference: MH8	00:00:00	MH8X_8e096e4-1f54-4a10-8		
	0.00	WL	Water level, 0% of the vertical dimension	00:00:20			
	0.10	MCCI	Pipe material changes to cast iron at this point	00:00:20	MH8X_dc9d5da2-1d6a-4085-b7		
	7.50	MHF	Finish node, manhole, reference: MH9	00:00:35	MH8X_cb36dcc5-5a76-4fbe-97a		
MH9 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



Section Pictures - 01/09/2023 - MH8X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
25	Downstream	MH8X		



MH8X_8ee096e4-1f54-4a10-8bcf-0c954238a106_20230911_083852_284.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: MH8



MH8X_dc9d5da2-1d6a-4085-b7cd-2d089c56ff66_20230911_083916_380.jpg, 00:00:20, 0.10 m
Pipe material changes to cast iron at this point



MH8X_cb36dcc5-5a76-4fbc-97af-5f6b69628376_20230911_084007_387.jpg, 00:00:35, 7.50 m
Finish node, manhole, reference: MH9



Section Inspection - 01/09/2023 - MH9X

Item No. 26	Insp. No. 1	Date 01/09/23	Time 14:25	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR MH9X
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	MH9
Road:	Blackfriars Street	Inspected Length:	13.50 m	Upstream Pipe Depth:	1.100 m
Location:		Total Length:	13.50 m	Downstream Node:	MH10
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	225 mm		
Flow Control:		Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:117	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 1.10 m MH9 0.00 0.00 0.10 11.50 13.50 MH10 Depth: m						
	0.00	MH	Start node, manhole, reference: MH9	00:00:00	MH9X_34 789c8c-97 bd-430f-95	
	0.00	WL	Water level, 0% of the vertical dimension	00:00:21		
	0.10	MCCI	Pipe material changes to cast iron at this point	00:00:21		
	11.50	WL	Water level, 10% of the vertical dimension	00:01:02		
	13.50	MHF	Finish node, manhole, reference: MH10	00:01:09	MH9X_38 32b18c-53 03-4e09-b	

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



Section Pictures - 01/09/2023 - MH9X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
26	Downstream	MH9X		



MH9X_34789c8c-97bd-430f-9579-10f4cfc413de_20230911_084558_940.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: MH9



MH9X_3832b18c-5303-4e09-b496-48c025d230f1_20230911_084833_530.jpg, 00:01:09, 13.50 m
Finish node, manhole, reference: MH10



Section Inspection - 01/09/2023 - HOLX

Item No. 27	Insp. No. 1	Date 01/09/23	Time 14:54	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR HOLX
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	HOL
Road:	Blackfriars Street	Inspected Length:	8.20 m	Upstream Pipe Depth:	
Location:		Total Length:	8.20 m	Downstream Node:	RWDP7 (F3)
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	75 mm		
Flow Control:		Pipe Material:	Cast iron		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:71	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m RWDP7 (F3)							
		0.00	BR	Start node, major connection without manhole, reference: RWDP7 (F3)	00:00:00	RWD7 (F3)X_d82e9535-0fa	
		0.00	REM	General remark: Camera travelling vertically up	00:00:17		
		8.20	OBZ	Other obstacles from 12 o'clock to 12 o'clock, 100% cross-sectional area loss: Obstruction	00:00:54	HOLX_3025dfa4-df78-46f9-8c50	5
		8.20	SA	Survey abandoned: Unable to pass obstruction	00:00:54		

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	10.0	1.2	10.0	5.0



Section Pictures - 01/09/2023 - HOLX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
27	Upstream	HOLX		



RWD7
(F3)X_d82e9535-0fad-4b1d-bd78-f495b189e8ed_20230911_085416_170.jpg, 00:00:00, 0.00 m
Start node, major connection without manhole, reference:
RWDP7 (F3)



HOLX_70a65193-43e0-47e6-9d45-4201420a63f1_20230911_085500_314.jpg, 00:00:00, 0.00 m
Start node, major connection without manhole, reference:
RWDP7 (F3)



HOLX_3025dfa4-df78-46f9-8c50-3b51d50e22d2_20230911_090250_497.jpg, 00:00:54, 8.20 m
Other obstacles from 12 o'clock to 12 o'clock, 100%
cross-sectional area loss, Obstruction



Section Inspection - 01/09/2023 - HOLX

Item No. 28	Insp. No. 1	Date 01/09/23	Time 15:01	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR HOLX
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	HOL
Road:	Blackfriars Street	Inspected Length:	3.60 m	Upstream Pipe Depth:	
Location:		Total Length:	3.60 m	Downstream Node:	RWDP2 (F3)
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	75 mm		
Flow Control:		Pipe Material:	Cast iron		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m RWDP2 (F3)							
		0.00	BR	Start node, major connection without manhole, reference: RWDP2 (F3)	00:00:00	HOLX_6af 91b02-f8a 4-4321-85	
		0.00	REM	General remark: Camera travelling vertically up	00:00:12		
		3.60	BRF	Finish node, major connection without manhole, reference: HOL	00:00:34	HOLX_d74 30d71-951 5-436e-bc	

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



Section Pictures - 01/09/2023 - HOLX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
28	Upstream	HOLX		



HOLX_6af91b02-f8a4-4321-8599-413a96c28542_20230911_090431_569.jpg, 00:00:00, 0.00 m
Start node, major connection without manhole, reference:
RWDP2 (F3)



HOLX_d7430d71-9515-436e-bcef-ad2dbcc7a75a_20230911_090507_425.jpg, 00:00:34, 3.60 m
Finish node, major connection without manhole, reference:
HOL



Section Inspection - 04/09/2023 - RWDP1 (F1)X

Item No. 29	Insp. No. 1	Date 04/09/23	Time 14:20	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR RWDP1 (F1)X
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	RWDP1 (F1)
Road:	Blackfriars Street	Inspected Length:	4.90 m	Upstream Pipe Depth:	
Location:		Total Length:	4.90 m	Downstream Node:	DISCHARGE
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	75 mm		
Flow Control:		Pipe Material:	Cast iron		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m RWDP1 (F1)							
		0.00	BR	Start node, major connection without manhole, reference: RWDP1 (F1)	00:00:00	RWDP1 (F1)X_40f e3175-9ef	
		0.00	REM	General remark: Camera travelling vertically down	00:00:19		
		4.90	BRF	Finish node, major connection without manhole, reference: Discharge: (Floor-3)	00:00:29	RWDP1 (F1)X_0fb 32242-f7d	
		Discharge 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



Section Pictures - 04/09/2023 - RWDP1 (F1)X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
29	Downstream	RWDP1 (F1)X		



RWDP1
(F1)X_40fe3175-9ef0-43ae-b7bb-8f2c27771213_20230911_090739_999.jpg, 00:00:00, 0.00 m
Start node, major connection without manhole, reference:
RWDP1 (F1)



RWDP1
(F1)X_0fb32242-f7db-4981-ad34-1d9cf0192b31_20230911_090842_456.jpg, 00:00:29, 4.90 m
Finish node, major connection without manhole, reference:
Discharge, (Floor-3)



Section Inspection - 04/09/2023 - RWDP2 (F1)X

Item No. 30	Insp. No. 1	Date 04/09/23	Time 14:22	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR RWDP2 (F1)X
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	RWDP2 (F1)
Road:	Blackfriars Street	Inspected Length:	6.00 m	Upstream Pipe Depth:	
Location:		Total Length:	6.00 m	Downstream Node:	DISCHARGE
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	75 mm		
Flow Control:		Pipe Material:	Cast iron		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:52	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m RWDP2 (F1)							
		0.00	BR	Start node, major connection without manhole, reference: RWDP2 (F1)	00:00:00	RWDP2 (F1)X_faa 42265-338	
		0.00	REM	General remark: Camera travelling vertically down to 6.0m	00:00:16		
		5.80	DES	Settled deposits, fine, 20% cross-sectional area loss: Silt	00:00:33		4
		6.00	BRF	Finish node, major connection without manhole, reference: Discharge: Restbend	00:00:39		
Discharge 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	1	5.0	0.8	5.0	4.0



Section Pictures - 04/09/2023 - RWDP2 (F1)X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
30	Downstream	RWDP2 (F1)X		



RWDP2
(F1)X_faa42265-3383-4f02-b723-bef4a6d77d94_20230911_0
91016_328.jpg, 00:00:00, 0.00 m
Start node, major connection without manhole, reference:
RWDP2 (F1)



Section Inspection - 04/09/2023 - HOLX

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
31	1	04/09/23	14:40	Not Specified	Not Specified	Not Specified	HOLX
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
Sam.H		Not Specified		Push Camera	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	HOL
Road:	Blackfriars Street	Inspected Length:	0.40 m	Upstream Pipe Depth:	
Location:		Total Length:	0.40 m	Downstream Node:	RWDP1 (F1)
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular	Dia/Height:	75 mm
Type of Pipe:		Pipe Material:	Cast iron	Lining Type:	No Lining
Flow Control:		Lining Material:	No Lining		
Year Constructed:	Not Specified				
Inspection Purpose:					

Comments:
Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m RWDP1 (F1)							
		0.00	BR	Start node, major connection without manhole, reference: RWDP1 (F1)	00:00:00	HOLX_3f5 dec2a-b11 8-4d63-a7	
		0.00	REM	General remark: Camera travelling vertically up to	00:00:12		
		0.40	DEE	Attached deposits, encrustation from 12 o'clock to 12 o'clock, 75% cross-sectional area loss	00:00:17	HOLX_955 7cb08-00c 0-4933-8b	4
		0.40	SA	Survey abandoned: Unable to pass encrustation	00:00:18		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	5.0	12.5	5.0	5.0

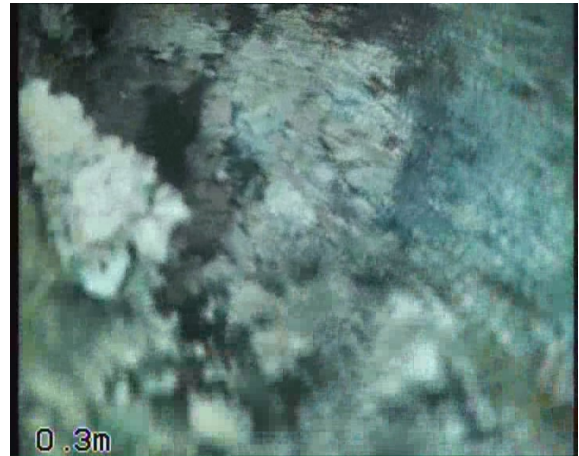


Section Pictures - 04/09/2023 - HOLX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
31	Upstream	HOLX		



HOLX_3f5dec2a-b118-4d63-a779-dbe6a11a6328_20230911_091508_674.jpg, 00:00:00, 0.00 m
Start node, major connection without manhole, reference: RWDP1 (F1)



HOLX_9557cb08-00c0-4933-8bbc-94e112317e59_20230911_092001_064.jpg, 00:00:17, 0.40 m
Attached deposits, encrustation from 12 o'clock to 12 o'clock, 75% cross-sectional area loss



Section Inspection - 04/09/2023 - HOLX

Item No. 32	Insp. No. 1	Date 04/09/23	Time 14:40	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR HOLX
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	HOL
Road:	Blackfriars Street	Inspected Length:	0.40 m	Upstream Pipe Depth:	
Location:		Total Length:	0.40 m	Downstream Node:	RWDP2 (F1)
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	75 mm		
Flow Control:		Pipe Material:	Cast iron		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m							
RWDP2 (F1)							
		0.00	BR	Start node, major connection without manhole, reference: RWDP2 (F1)	00:00:00	HOLX_971 db663-340 b-43c1-ab	
		0.00	REM	General remark: Camera travelling vertically up	00:00:19		
		0.30	DEE	Attached deposits, encrustation from 3 o'clock to 9 o'clock, 50% cross-sectional area loss	00:00:22	HOLX_73b b7369-ef6 2-467b-b6	4
		0.40	SA	Survey abandoned: Unable to pass encrustation	00:00:22		

Construction Features

Structural Defects

Miscellaneous Features

Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	5.0	12.5	5.0	5.0



Section Pictures - 04/09/2023 - HOLX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
32	Upstream	HOLX		



HOLX_971db663-340b-43c1-ab77-c51e8f2cf3ec_20230911_092157_832.jpg, 00:00:00, 0.00 m
Start node, major connection without manhole, reference:
RWDP2 (F1)



HOLX_9e8fd359-af53-491b-af22-db7decb8ccaf_20230911_092207_567.jpg, 00:00:00, 0.00 m
Start node, major connection without manhole, reference:
RWDP2 (F1)



HOLX_73bb7369-ef62-467b-b60c-dcb347e2b7a8_20230911_092255_247.jpg, 00:00:22, 0.30 m
Attached deposits, encrustation from 3 o'clock to 9 o'clock,
50% cross-sectional area loss



Section Inspection - 04/09/2023 - HOLX

Item No. 33	Insp. No. 1	Date 04/09/23	Time 15:02	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR HOLX
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	HOL
Road:	Blackfriars Street	Inspected Length:	1.00 m	Upstream Pipe Depth:	
Location:		Total Length:	1.00 m	Downstream Node:	RWDP5 (F1)
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	75 mm		
Flow Control:		Pipe Material:	Cast iron		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:
Recommendations:

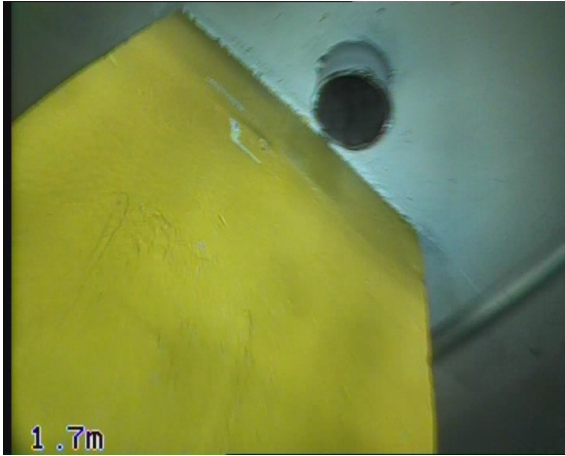
Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m RWDP5 (F1)							
		0.00	BR	Start node, major connection without manhole, reference: RWDP5 (F1)	00:00:00	HOLX_e9e b2554-0dd 7-4104-a3	
		0.00	REM	General remark: Camera travelling vertically up	00:00:14		
		1.00	OBZ	Other obstacles from 12 o'clock to 12 o'clock, 100% cross-sectional area loss: Concrete / Obstruction	00:00:22	HOLX_35e 16080-5ab 1-4555-b8	5
		1.00	SA	Survey abandoned: Unable to pass obstruction	00:00:23		

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	10.0	10.0	10.0	5.0



Section Pictures - 04/09/2023 - HOLX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
33	Upstream	HOLX		



HOLX_e9eb2554-0dd7-4104-a371-2bdc7db44553_20230911_092820_111.jpg, 00:00:00, 0.00 m
Start node, major connection without manhole, reference:
RWDP5 (F1)



HOLX_35e16080-5ab1-4555-b8e7-b6d411affb86_20230911_093055_456.jpg, 00:00:22, 1.00 m
Other obstacles from 12 o'clock to 12 o'clock, 100%
cross-sectional area loss, Concrete / Obstruction



Section Inspection - 04/09/2023 - RWDP5 (F1)X

Item No. 34	Insp. No. 1	Date 04/09/23	Time 15:03	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR RWDP5 (F1)X
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	RWDP5 (F1)
Road:	Blackfriars Street	Inspected Length:	6.10 m	Upstream Pipe Depth:	
Location:		Total Length:	6.10 m	Downstream Node:	DISCHARGE
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	75 mm		
Flow Control:		Pipe Material:	Cast iron		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:53	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m RWDP5 (F1)							
		0.00	BR	Start node, major connection without manhole, reference: RWDP5 (F1)	00:00:00	RWDP5 (F1)X_efb 2363e-288	
		0.00	REM	General remark: Camera travelling vertically down to 6.0m	00:00:11		
		6.10	DER	Settled deposits, coarse, 25% cross-sectional area loss: Silt/stones	00:00:32	RWDP5 (F1)X_1ad c471c-10ff	4
		6.10	SA	Survey abandoned: Unable to pass silt/stones	00:00:36		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	5.0	0.8	5.0	4.0

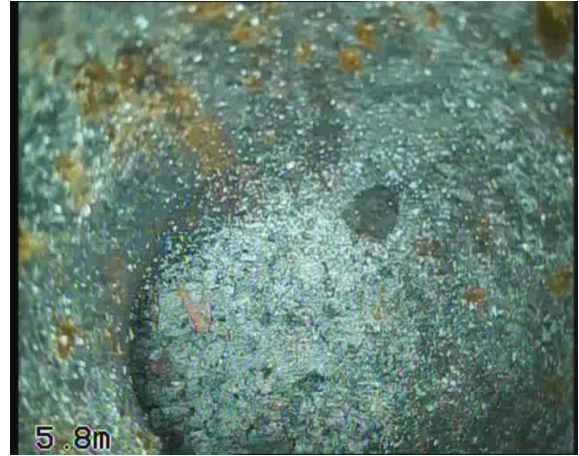


Section Pictures - 04/09/2023 - RWDP5 (F1)X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
34	Downstream	RWDP5 (F1)X		



RWDP5
(F1)X_efb2363e-2886-444a-8997-af438b027e44_20230911_093240_631.jpg, 00:00:00, 0.00 m
Start node, major connection without manhole, reference:
RWDP5 (F1)



RWDP5
(F1)X_1adc471c-10ff-42fd-8b16-2dcc9c2a3c03_20230911_093520_887.jpg, 00:00:32, 6.10 m
Settled deposits, coarse, 25% cross-sectional area loss,
Silt/stones



Section Inspection - 04/09/2023 - RWDP4 (F1)X

Item No. 35	Insp. No. 1	Date 04/09/23	Time 16:03	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR RWDP4 (F1)X
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	RWDP4 (F1)
Road:	Blackfriars Street	Inspected Length:	4.00 m	Upstream Pipe Depth:	
Location:		Total Length:	4.00 m	Downstream Node:	DISCHARGE
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	75 mm		
Flow Control:		Pipe Material:	Cast iron		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m RWDP4 (F1)							
		0.00	BR	Start node, major connection without manhole, reference: RWDP4 (F1)	00:00:00	RWDP4 (F1)X_083 1db49-e59	
		0.00	REM	General remark: Camera travelling down to 4.0m	00:00:10		
		4.00	BRF	Finish node, major connection without manhole, reference: Discharge: Floor-3	00:00:25	RWDP4 (F1)X_321 b7c71-ba1	
Discharge 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



Section Pictures - 04/09/2023 - RWDP4 (F1)X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
35	Downstream	RWDP4 (F1)X		



RWDP4

(F1)X_0831db49-e591-4af9-b32b-e6e7754fbaba_20230911_0
93650_479.jpg, 00:00:00, 0.00 m
Start node, major connection without manhole, reference:
RWDP4 (F1)



RWDP4

(F1)X_321b7c71-ba1c-46f0-b110-fedf741a04b2_20230911_0
93846_677.jpg, 00:00:25, 4.00 m
Finish node, major connection without manhole, reference:
Discharge, Floor-3



Section Inspection - 04/09/2023 - HOLX

Item No. 36	Insp. No. 1	Date 04/09/23	Time 16:04	Client's Job Ref Not Specified	Weather Not Specified	Pre Cleaned Not Specified	PLR HOLX
Operator Sam.H		Vehicle Not Specified		Camera Push Camera	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	HOL
Road:	Blackfriars Street	Inspected Length:	0.40 m	Upstream Pipe Depth:	
Location:		Total Length:	0.40 m	Downstream Node:	RWDP4 (F1)
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	75 mm		
Flow Control:		Pipe Material:	Cast iron		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:		Lining Material:	No Lining		

Comments:	
Recommendations:	

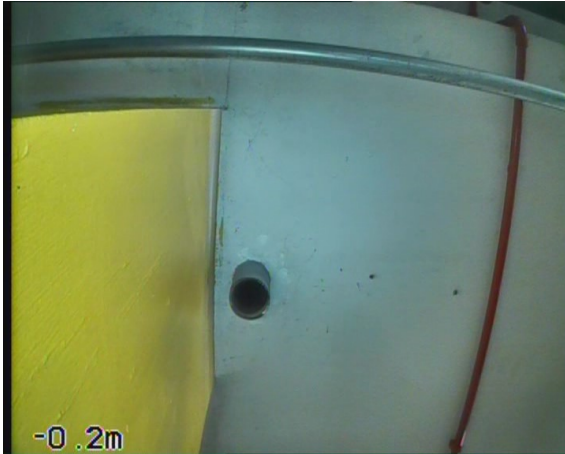
Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
		0.00	BR	Start node, major connection without manhole, reference: RWDP4 (F1)	00:00:00	HOLX_2aa 38105-f84 e-4440-b6	
		0.00	REM	General remark: Camera travelling vertically up	00:00:15		
		0.40	OBZ	Other obstacles from 12 o'clock to 12 o'clock, 90% cross-sectional area loss: Rock	00:00:21	HOLX_766 d2511-d82 f-4ba7-818	5
		0.40	SA	Survey abandoned: Unable to pass rock	00:00:23		

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	10.0	25.0	10.0	5.0



Section Pictures - 04/09/2023 - HOLX

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



HOLX_2aa38105-f84e-4440-b692-ddfa70b910a0_20230911_094042_094.jpg, 00:00:00, 0.00 m
Start node, major connection without manhole, reference: RWDP4 (F1)



HOLX_766d2511-d82f-4ba7-818f-dfc7d98f24ac_20230911_094402_437.jpg, 00:00:21, 0.40 m
Other obstacles from 12 o'clock to 12 o'clock, 90% cross-sectional area loss, Rock