

Project

Project Name: 27646 Pier construction Christie hospital Manchester 09-10 03
22 win

Project Description: WinCan Import in Miraculix Standard

Project Date: 09/03/2022

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



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Project Information

Project Name	Project Number	Project Date
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Client

Company: Pier Construction
Street: 51 St Micheals Road
Town or City: Crosby
County: Liverpool
Post Code: L23 7UJ
Phone: 0151 458 3430
Email: enquiries@Pierconstruction.co.uk



Site

Company: Pier Construction
Contact: 27646 Pier construction Christie hospital Manchester 09-10 03 22



Contractor

Company: NRC WASTEWATER INDUSTRIAL SOLUTIONS
Contact: Stephen Backhouse
Department: Bussiness Development Manager ENG
Street: Russel Road
Town or City: Rock Ferry
County: Wirral
Post Code: CH42 1LU
Phone: 0151-643-0800
Fax: 07920 339 804
Mobile: sbackhouse@nrcc.com
Email: stephen.backhouse@usecology.com



Section Inspection - 10/03/2022 - FW01X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
1	1	10/03/22	12:15	36071	No Rain Or Snow	Yes	FW01X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
S.SADLER		PK 68 XZZ		Crawler	Not Specified	Public Sewer	Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	FW01
Road:	Christie Hospital	Inspected Length:	18.91 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	18.91 m	Downstream Node:	FW01A
Surface Type:	Block Paved	Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Post completion condition survey	Lining Material:	No Lining		

Comments:

Recommendations:

Scale: 1:164	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m FW01						
	0.00	MH	Start node, manhole, reference: FW01	00:00:02		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:03		
	4.50	FLJ	Fracture, longitudinal at joint at 6 o'clock	00:00:43		3 / 2
	6.48	CNC	Connection other than junction, closed at 12 o'clock, 150mm dia	00:00:58		
	6.48	JDM	Joint displaced, medium	00:01:04		1 / 3
	10.24	FLJ	Fracture, longitudinal at joint at 1 o'clock	00:01:29		3 / 2
	15.78	RTJ	Roots, tap at joint	00:02:02		4
	16.71	JDL	Joint displaced, large	00:02:07		1 / 4
	16.72	LL	Line deviates left	00:02:08		
	16.80	JDL	Joint displaced, large	00:02:13		1 / 4
	17.54	JDL	Joint displaced, large	00:02:18		1 / 4
	18.91	DEEJ	Attached deposits, encrustation at joint from 11 o'clock to 02 o'clock, 30% cross-sectional area loss	00:02:25		4
	18.91	JDM	Joint displaced, medium	00:02:26		1 / 3
	18.91	SA	Survey abandoned: DUE TO ENCRUSTATION AND JOINT	00:02:27		

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
7	40.0	4.7	88.0	3.0	9	7.0	1.6	31.0	4.0

Section Inspection - 10/03/2022 - GY1X

Item No. 2	Insp. No. 1	Date 10/03/22	Time 7:40	Client`s Job Ref 27646	Weather No Rain Or Snow	Pre Cleaned Yes	PLR GY1X
Operator S.SADLER		Vehicle Not Specified		Camera Solo Pro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID 1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	GY1
Road:	Christie Hospital	Inspected Length:	9.41 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	9.41 m	Downstream Node:	MAIN
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:	Post completion condition survey	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:82	Position [m]	Code	Observation	MPEG	Photo	Grade																																																								
Depth: m GY1 MAIN Depth: m <table><tr><td>0.00</td><td>GY</td><td>Start node, gully, reference: GY1</td><td>00:00:01</td><td></td><td></td><td></td></tr><tr><td>0.00</td><td>WL</td><td>Water level, 5% of the vertical dimension</td><td>00:00:02</td><td></td><td></td><td></td></tr><tr><td>1.30</td><td>JN</td><td>Junction at 9 o'clock, 150mm dia</td><td>00:00:13</td><td></td><td></td><td></td></tr><tr><td>1.90</td><td>LD</td><td>Line deviates down</td><td>00:00:18</td><td></td><td></td><td></td></tr><tr><td>2.79</td><td>LL</td><td>Line deviates left</td><td>00:00:24</td><td></td><td></td><td></td></tr><tr><td>3.06</td><td>JDM</td><td>Joint displaced, medium</td><td>00:00:28</td><td></td><td></td><td>1 / 3</td></tr><tr><td>9.09</td><td>LD</td><td>Line deviates down</td><td>00:00:57</td><td></td><td></td><td></td></tr><tr><td>9.41</td><td>BRF</td><td>Finish node, major connection without manhole, reference: MAIN</td><td>00:01:01</td><td></td><td></td><td></td></tr></table>								0.00	GY	Start node, gully, reference: GY1	00:00:01				0.00	WL	Water level, 5% of the vertical dimension	00:00:02				1.30	JN	Junction at 9 o'clock, 150mm dia	00:00:13				1.90	LD	Line deviates down	00:00:18				2.79	LL	Line deviates left	00:00:24				3.06	JDM	Joint displaced, medium	00:00:28			1 / 3	9.09	LD	Line deviates down	00:00:57				9.41	BRF	Finish node, major connection without manhole, reference: MAIN	00:01:01			
0.00	GY	Start node, gully, reference: GY1	00:00:01																																																												
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9.09	LD	Line deviates down	00:00:57																																																												
9.41	BRF	Finish node, major connection without manhole, reference: MAIN	00:01:01																																																												

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

Section Inspection - 10/03/2022 - GY2X

Item No. 3	Insp. No. 2	Date 10/03/22	Time 7:47	Client's Job Ref 27646	Weather No Rain Or Snow	Pre Cleaned Yes	PLR GY2X
Operator S.SADLER		Vehicle Not Specified		Camera Solo Pro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID 1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	GY2
Road:	Christie Hospital	Inspected Length:	1.72 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	1.72 m	Downstream Node:	MAIN
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:	Post completion condition survey	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
		0.00	GY	Start node, gully, reference: GY2	00:00:01		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
		1.20	LR	Line deviates right	00:00:11		
		1.72	BRF	Finish node, major connection without manhole, reference: MAIN	00:00:16		

Construction Features

Miscellaneous Features

Structural Defects

Service & Operational Observations

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

Section Inspection - 10/03/2022 - GY3X

Item No. 4	Insp. No. 10	Date 10/03/22	Time 8:38	Client`s Job Ref 27646	Weather No Rain Or Snow	Pre Cleaned Yes	PLR GY3X
Operator S.SADLER		Vehicle Not Specified		Camera Solo Pro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID 1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	GY3
Road:	Christie Hospital	Inspected Length:	9.09 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	9.41 m	Downstream Node:	MAIN
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:	Post completion condition survey	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:82	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m GY3							
		0.00	GY	Start node, gully, reference: GY3	00:00:01		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
		2.98	LR	Line deviates right	00:00:17		
		3.32	JN	Junction at 9 o'clock, 150mm dia	00:00:19		
		8.81	LD	Line deviates down	00:00:41		
		9.09	BRF	Finish node, major connection without manhole, reference: MAIN	00:00:43		
MAIN Depth: m							

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

Section Inspection - 10/03/2022 - GY3X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
4	3	10/03/22	7:58	27646	No Rain Or Snow	Yes	GY3X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
S.SADLER		Not Specified		Solo Pro	Not Specified	Not Specified	1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	GY3
Road:	Christie Hospital	Inspected Length:	9.41 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	9.41 m	Downstream Node:	MAIN
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:	Post completion condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:82	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m GY3 0.00 0.00 2.96 3.26 9.07 9.41 MAIN Depth: m							
		0.00	GY	Start node, gully, reference: GY3	00:00:01		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
		2.96	LR	Line deviates right	00:00:18		
		3.26	JN	Junction at 9 o'clock, 150mm dia	00:00:23		
		9.07	LD	Line deviates down	00:00:50		
		9.41	BRF	Finish node, major connection without manhole, reference: MAIN	00:00:58		

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

Section Inspection - 10/03/2022 - GY4X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
5	4	10/03/22	8:02	27646	No Rain Or Snow	Yes	GY4X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
S.SADLER		Not Specified		Solo Pro	Not Specified	Not Specified	1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	GY4
Road:	Christie Hospital	Inspected Length:	9.31 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	9.31 m	Downstream Node:	MAIN
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:	Post completion condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:81	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m GY4 0.00 GY Start node, gully, reference: GY4 00:00:01							
0.00 WL Water level, 5% of the vertical dimension 00:00:02							
8.89 LL Line deviates left 00:00:33							
9.11 LD Line deviates down 00:00:36							
9.31 MAIN Depth: m BRF Finish node, major connection without manhole, reference: MAIN 00:00:40							

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

Section Inspection - 10/03/2022 - GY5X

Item No. 6	Insp. No. 5	Date 10/03/22	Time 8:08	Client's Job Ref 27646	Weather No Rain Or Snow	Pre Cleaned Yes	PLR GY5X
Operator S.SADLER		Vehicle Not Specified		Camera Solo Pro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID 1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	GY5
Road:	Christie Hospital	Inspected Length:	9.85 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	9.85 m	Downstream Node:	MAIN
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:	Post completion condition survey	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:85	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m GY5							
		0.02	GY	Start node, gully, reference: GY5	00:00:01		
		0.02	WL	Water level, 5% of the vertical dimension	00:00:01		
		5.85	LR	Line deviates right	00:00:23		
		6.30	JN	Junction at 9 o'clock, 150mm dia	00:00:30		
		9.43	LD	Line deviates down	00:00:49		
		9.85	BRF	Finish node, major connection without manhole, reference: MAIN	00:00:54		
MAIN Depth: m							

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

Section Inspection - 10/03/2022 - GY6X

Item No. 7	Insp. No. 6	Date 10/03/22	Time 8:14	Client`s Job Ref 27646	Weather No Rain Or Snow	Pre Cleaned Yes	PLR GY6X
Operator S.SADLER		Vehicle Not Specified		Camera Solo Pro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID 1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	GY6
Road:	Christie Hospital	Inspected Length:	8.71 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	8.71 m	Downstream Node:	MAIN
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:	Post completion condition survey	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:76	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m GY6							
		0.00	GY	Start node, gully, reference: GY6	00:00:01		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
		8.71	BRF	Finish node, major connection without manhole, reference: MAIN	00:00:38		

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

Section Inspection - 10/03/2022 - GY7X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
8	7	10/03/22	8:17	27646	No Rain Or Snow	Yes	GY7X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
S.SADLER		Not Specified		Solo Pro	Not Specified	Not Specified	1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	GY7
Road:	Christie Hospital	Inspected Length:	8.85 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	8.85 m	Downstream Node:	MAIN
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:	Post completion condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:77	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m GY7 0.00 0.00 0.97 1.64 2.05 6.38 8.40 8.85 LR LD LD LD LD LR LD BRF Start node, gully, reference: GY7 Water level, 5% of the vertical dimension Line deviates down Line deviates left Line deviates right Line deviates right Line deviates down Finish node, major connection without manhole, reference: MAIN 00:00:01 00:00:02 00:00:08 00:00:12 00:00:15 00:00:30 00:00:39 00:00:42							
MAIN Depth: m							

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

Section Inspection - 10/03/2022 - GY8X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
9	8	10/03/22	8:21	27646	No Rain Or Snow	Yes	GY8X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
S.SADLER		Not Specified		Solo Pro	Not Specified	Not Specified	1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	GY8
Road:	Christie Hospital	Inspected Length:	8.24 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	8.24 m	Downstream Node:	MAIN
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:	Post completion condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:72	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m GY8 0.00 GY Start node, gully, reference: GY8 00:00:02 0.00 WL Water level, 5% of the vertical dimension 00:00:03 0.47 LD Line deviates down 00:00:10 1.40 JN Junction at 3 o'clock, 150mm dia 00:00:17 5.83 LR Line deviates right 00:00:33 5.83 LD Line deviates down 00:00:33 7.90 LD Line deviates down 00:00:42 8.24 BRF Finish node, major connection without manhole, reference: MAIN 00:00:45 MAIN Depth: m							

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

Section Inspection - 10/03/2022 - GY9X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
10	9	10/03/22	8:33	27646	No Rain Or Snow	Yes	GY9X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
S.SADLER		Not Specified		Solo Pro	Not Specified	Not Specified	1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	GY9
Road:	Christie Hospital	Inspected Length:	8.93 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	8.93 m	Downstream Node:	MAIN
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:	Post completion condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:77	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m GY9 0.00 0.00 1.64 1.66 3.14 3.16 3.56 3.95 3.96 5.40 7.67 8.93 GY WL LL LD JDM OJL WL WL RFJ WL LD BRF Start node, gully, reference: GY9 Water level, 5% of the vertical dimension Line deviates left Line deviates down Joint displaced, medium Open joint, large Water level, 10% of the vertical dimension Water level, 10% of the vertical dimension Roots, fine at joint Water level, 5% of the vertical dimension Line deviates down Finish node, major connection without manhole, reference: MAIN 00:00:01 00:00:02 00:00:14 00:00:14 00:00:25 00:00:25 00:00:27 00:00:30 00:00:30 00:00:37 00:00:47 00:01:21 1 / 3 1 2							
MAIN Depth: m							

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
2	2.0	0.3	3.0	1.0	2	2.0	0.3	3.0	3.0

Section Inspection - 10/03/2022 - GY10X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
11	11	10/03/22	9:01	27646	No Rain Or Snow	Yes	GY10X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
S.SADLER		Not Specified		Solo Pro	Not Specified	Not Specified	1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	GY10
Road:	Christie Hospital	Inspected Length:	1.62 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	1.62 m	Downstream Node:	MAIN
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:	Post completion condition survey	Lining Material:	No Lining		

Comments:	
Recommendations:	

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
		0.00	GY	Start node, gully, reference: GY10	00:00:03		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:06		
		0.42	LD	Line deviates down	00:00:14		
		1.03	JN	Junction at 9 o'clock, 150mm dia	00:00:19		
		1.62	MHF	Finish node, manhole, reference: MAIN	00:00:26		

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

Section Inspection - 10/03/2022 - GY11X

Item No. 12	Insp. No. 12	Date 10/03/22	Time 9:09	Client's Job Ref 27646	Weather No Rain Or Snow	Pre Cleaned Yes	PLR GY11X
Operator S.SADLER		Vehicle Not Specified		Camera Solo Pro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID 1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	GY11
Road:	Christie Hospital	Inspected Length:	11.26 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	11.26 m	Downstream Node:	MAIN
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:	Post completion condition survey	Lining Material:	No Lining		

Comments:

Recommendations:

Scale: 1:98 Position [m] Code Observation MPEG Photo Grade

Depth: m
GY11

0.00

0.00

1.27

10.70

11.26

MAIN

Depth: m

Code	Observation	MPEG
GY	Start node, gully, reference: GY11	00:00:01
WL	Water level, 5% of the vertical dimension	00:00:02
LR	Line deviates right	00:00:09
LL	Line deviates left	00:00:40
BRF	Finish node, major connection without manhole, reference: MAIN	00:00:44

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

Section Inspection - 10/03/2022 - GY12X

Item No. 13	Insp. No. 13	Date 10/03/22	Time 9:13	Client's Job Ref 27646	Weather No Rain Or Snow	Pre Cleaned Yes	PLR GY12X
Operator S.SADLER		Vehicle Not Specified		Camera Solo Pro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID 1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	GY12
Road:	Christie Hospital	Inspected Length:	5.69 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	5.69 m	Downstream Node:	MAIN
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:	Post completion condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m GY12 0.00 GY Start node, gully, reference: GY12 00:00:01 0.00 WL Water level, 5% of the vertical dimension 00:00:02 3.75 LD Line deviates down 00:00:20 5.69 BRF Finish node, major connection without manhole, reference: MAIN 00:00:38 MAIN Depth: m							

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

Section Inspection - 10/03/2022 - GY13X

Item No. 14	Insp. No. 17	Date 10/03/22	Time 13:38	Client`s Job Ref 27646	Weather No Rain Or Snow	Pre Cleaned Yes	PLR GY13X
Operator S.SADLER		Vehicle Not Specified		Camera Solo Pro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID 1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	GY13
Road:	Christie Hospital	Inspected Length:	13.70 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	13.70 m	Downstream Node:	MAIN
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:	Post completion condition survey	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:119	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m GY13							
		0.00	GY	Start node, gully, reference: GY13	00:00:01		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
		0.65	JN	Junction at 9 o'clock, 150mm dia	00:00:09		
		1.08	LR	Line deviates right	00:00:15		
		13.69	LR	Line deviates right	00:00:51		
		13.69	LD	Line deviates down	00:00:52		
		13.70	BRF	Finish node, major connection without manhole, reference: MAIN	00:01:00		

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

Section Inspection - 10/03/2022 - GY14X

Item No. 15	Insp. No. 18	Date 10/03/22	Time 13:41	Client's Job Ref 27646	Weather No Rain Or Snow	Pre Cleaned Yes	PLR GY14X
Operator S.SADLER		Vehicle Not Specified		Camera Solo Pro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID 1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	GY14
Road:	Christie Hospital	Inspected Length:	13.77 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	13.77 m	Downstream Node:	MAIN
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:	Post completion condition survey	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:119	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m GY14							
		0.00	GY	Start node, gully, reference: GY14	00:00:04		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:04		
		13.43	LR	Line deviates right	00:00:41		
		13.43	LD	Line deviates down	00:00:42		
		13.77	BRF	Finish node, major connection without manhole, reference: MAIN	00:00:46		
		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 Inspection - 09/03/2022 - SW1X

Item No. 16	Insp. No. 1	Date 09/03/22	Time 9:48	Client's Job Ref 36071	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SW1X
Operator S.SADLER		Vehicle PK 68 XZZ		Camera Crawler	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	SW1
Road:	Christie Hospital	Inspected Length:	27.00 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	27.00 m	Downstream Node:	SW2
Surface Type:	Block Paved	Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	300 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Post completion condition survey	Lining Material:	No Lining		

Comments:

Recommendations:

Scale: 1:233	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m SW2 0.00 0.00 9.57 13.19 27.00 SW1 Depth: m						
	0.00	MH	Start node, manhole, reference: SW2	00:00:02		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:05		
	9.57	JN	Junction at 01 o'clock, 150mm dia	00:01:00		
	13.19	JN	Junction at 01 o'clock, 150mm dia	00:01:24		
	27.00	MHF	Finish node, manhole, reference: SW1	00:02:43		

Construction Features

Structural Defects

Miscellaneous Features

Service & Operational Observations

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

Section Inspection - 09/03/2022 - SW2X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
17	1	09/03/22	12:17	36071	No Rain Or Snow	Yes	SW2X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
S.SADLER		PK 68 XZZ		Crawler	Not Specified	Public Sewer	Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	SW2
Road:	Christie Hospital	Inspected Length:	36.80 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	36.80 m	Downstream Node:	SW3
Surface Type:	Block Paved	Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	300 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Post completion condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:318	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m SW3 SW2 Depth: m							
		0.00	MH	Start node, manhole, reference: SW3	00:00:02		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:04		
		0.16	JN	Junction at 10 o'clock, 150mm dia	00:00:21		
		5.16	JN	Junction at 10 o'clock, 150mm dia	00:00:48		
		20.17	JN	Junction at 09 o'clock, 150mm dia	00:01:53		
		34.04	JN	Junction at 10 o'clock, 150mm dia	00:02:55		
		36.80	MHF	Finish node, manhole, reference: SW2	00:03:15		

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

Section Inspection - 09/03/2022 - SW3X

Item No. 18	Insp. No. 1	Date 09/03/22	Time 12:38	Client's Job Ref 36071	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SW3X
Operator S.SADLER		Vehicle PK 68 XZZ		Camera Crawler	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	SW3
Road:	Christie Hospital	Inspected Length:	33.50 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	33.50 m	Downstream Node:	SW4
Surface Type:	Block Paved	Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	375 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Post completion condition survey	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:289	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m SW4 0.00 0.00 9.15 10.93 19.34 28.92 33.50 SW3 Depth: m							
		0.00	CP	Start node, catchpit, reference: SW4	00:00:01		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
		9.15	CN	Connection other than junction at 02 o'clock, 150mm dia	00:00:54		
		10.93	CN	Connection other than junction at 10 o'clock, 150mm dia	00:01:09		
		19.34	CN	Connection other than junction at 01 o'clock, 150mm dia	00:01:50		
		28.92	CN	Connection other than junction at 01 o'clock, 150mm dia	00:02:37		
		33.50	MHF	Finish node, manhole, reference: SW3	00:03:03		

Construction Features

Structural Defects

Miscellaneous Features

Service & Operational Observations

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

Section Inspection - 09/03/2022 - SW4X

Item No. 19	Insp. No. 1	Date 09/03/22	Time 15:12	Client's Job Ref 36071	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SW4X
Operator S.SADLER		Vehicle PK 68 XZZ		Camera Crawler	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	SW4
Road:	Christie Hospital	Inspected Length:	75.02 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	75.02 m	Downstream Node:	SW9
Surface Type:	Block Paved	Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	375 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Post completion condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:647	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m SW9 SW4 Depth: m						
	0.00	MH	Start node, manhole, reference: SW9	00:00:01		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
	9.00	CN	Connection other than junction at 02 o'clock, 150mm dia	00:00:48		
	12.70	CN	Connection other than junction at 10 o'clock, 150mm dia	00:01:09		
	14.62	CN	Connection other than junction at 10 o'clock, 150mm dia	00:01:25		
	28.36	CN	Connection other than junction at 10 o'clock, 150mm dia	00:02:29		
	41.99	CN	Connection other than junction at 10 o'clock, 150mm dia	00:03:31		
	42.59	CN	Connection other than junction at 02 o'clock, 150mm dia	00:03:42		
	50.01	CN	Connection other than junction at 10 o'clock, 150mm dia	00:04:14		
	62.40	CN	Connection other than junction at 02 o'clock, 150mm dia	00:05:15		
	64.30	CN	Connection other than junction at 10 o'clock, 150mm dia	00:05:33		
	68.55	CN	Connection other than junction at 12 o'clock, 150mm dia	00:05:57		
	69.21	CN	Connection other than junction at 02 o'clock, 150mm dia	00:06:11		
	75.02	CPF	Finish node, catchpit, reference: SW4	00:06:38		

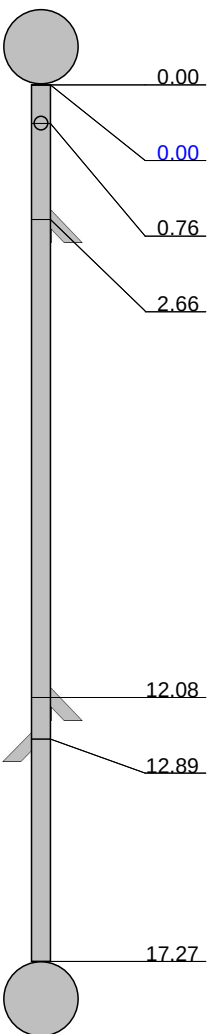
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 10/03/2022 - SW5X

Item No. 20	Insp. No. 1	Date 10/03/22	Time 11:38	Client's Job Ref 36071	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SW5X
Operator S.SADLER		Vehicle PK 68 XZZ		Camera Crawler	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	SW5
Road:	Christie Hospital	Inspected Length:	17.27 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	17.27 m	Downstream Node:	SW6
Surface Type:	Block Paved	Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	300 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Post completion condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:149	Position [m]	Code	Observation	MPEG	Photo	Grade
							
		0.00	MH	Start node, manhole, reference: SW6	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
		0.76	JN	Junction at 12 o'clock, 150mm dia	00:00:14		
		2.66	JN	Junction at 10 o'clock, 150mm dia	00:00:29		
		12.08	JN	Junction at 10 o'clock, 150mm dia	00:01:13		
		12.89	JN	Junction at 02 o'clock, 150mm dia	00:01:22		
		17.27	MHF	Finish node, manhole, reference: SW5	00:01:46		

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	0	0.0	0.0	0.0	1.0

Section Inspection - 10/03/2022 - SW6X

Item No. 21	Insp. No. 1	Date 10/03/22	Time 11:07	Client's Job Ref 36071	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SW6X
Operator S.SADLER		Vehicle PK 68 XZZ		Camera Crawler	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	SW6
Road:	Christie Hospital	Inspected Length:	31.79 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	31.79 m	Downstream Node:	SW7
Surface Type:	Block Paved	Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	300 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Post completion condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:275	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m SW7 0.00 0.00 5.60 20.28 31.79 SW6 Depth: m MH WL JN JN MHF Start node, manhole, reference: SW7 Water level, 5% of the vertical dimension Junction at 01 o'clock, 150mm dia Junction at 02 o'clock, 150mm dia Finish node, manhole, reference: SW6 00:00:02 00:00:03 00:00:33 00:01:36 00:02:27							

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

Section Inspection - 10/03/2022 - SW7X

Item No. 22	Insp. No. 1	Date 10/03/22	Time 11:12	Client's Job Ref 36071	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SW7X
Operator S.SADLER		Vehicle PK 68 XZZ		Camera Crawler	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	SW7
Road:	Christie Hospital	Inspected Length:	13.53 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	13.53 m	Downstream Node:	SW8
Surface Type:	Block Paved	Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	300 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Post completion condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:117	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m SW7 SW8 Depth: m						
	0.00	MH	Start node, manhole, reference: SW7	00:00:01		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
	9.96	LR	Line deviates right	00:00:47		
	10.43	JN	Junction at 10 o'clock, 150mm dia	00:00:56		
	12.24	LL	Line deviates left	00:01:08		
	13.53	MHF	Finish node, manhole, reference: SW8	00:01:16		

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

Section Inspection - 10/03/2022 - SW8X

Item No. 23	Insp. No. 1	Date 10/03/22	Time 10:37	Client's Job Ref 36071	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SW8X
Operator S.SADLER		Vehicle PK 68 XZZ		Camera Crawler	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	SW8
Road:	Christie Hospital	Inspected Length:	32.26 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	32.26 m	Downstream Node:	SW9
Surface Type:	Block Paved	Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	300 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Post completion condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:279	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m SW9						
	0.00	MH	Start node, manhole, reference: SW9	00:00:04		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:05		
	0.13	CN	Connection other than junction at 12 o'clock, 150mm dia	00:00:15		
	9.68	JN	Junction at 12 o'clock, 150mm dia	00:00:59		
	19.03	JN	Junction at 01 o'clock, 150mm dia	00:01:44		
	22.57	JN	Junction at 01 o'clock, 150mm dia	00:02:05		
	32.26	MHF	Finish node, manhole, reference: SW8	00:02:52		
						Depth: m SW8

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

Section Inspection - 09/03/2022 - SW10X

Item No. 24	Insp. No. 1	Date 09/03/22	Time 12:59	Client's Job Ref 36071	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SW10X
Operator S.SADLER		Vehicle PK 68 XZZ		Camera Crawler	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	SW10
Road:	Christie Hospital	Inspected Length:	1.76 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	1.76 m	Downstream Node:	TANK
Surface Type:	Block Paved	Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	375 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Post completion condition survey	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
		0.00	CP	Start node, catchpit, reference: SW10	00:00:04		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:06		
		1.76	OCF	Finish node, other special chamber, reference: TANK: TANK	00:00:26		

Construction Features

Structural Defects

Miscellaneous Features

Service & Operational Observations

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

Section Inspection - 09/03/2022 - SW11X

Item No. 25	Insp. No. 1	Date 09/03/22	Time 13:45	Client's Job Ref 36071	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SW11X
Operator S.SADLER		Vehicle PK 68 XZZ		Camera Crawler	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	SW11
Road:	Christie Hospital	Inspected Length:	18.53 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	18.53 m	Downstream Node:	SW13
Surface Type:	Block Paved	Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	375 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Post completion condition survey	Lining Material:	No Lining		

Comments:

Recommendations:

Scale: 1:160	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m SW11 SW13 Depth: m						
	0.00	CP	Start node, catchpit, reference: SW11	00:00:03		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:03		
	2.97	LL	Line deviates left	00:00:21		
	12.90	WL	Water level, 10% of the vertical dimension	00:01:02		
	17.25	LR	Line deviates right	00:01:19		
	18.53	MHF	Finish node, manhole, reference: SW13: HYDRO BRAKE	00:01:25		

Construction Features

Miscellaneous Features

Structural Defects

Service & Operational Observations

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

Section Inspection - 10/03/2022 - SW13X

Item No. 27	Insp. No. 1	Date 10/03/22	Time 13:26	Client's Job Ref 36071	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SW13X
Operator S.SADLER		Vehicle PK 68 XZZ		Camera Crawler	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	SW13
Road:	Christie Hospital	Inspected Length:	8.59 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	8.59 m	Downstream Node:	EX.MH
Surface Type:	Block Paved	Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	375 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Post completion condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:75	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m EX.MH							
		0.00	MH	Start node, manhole, reference: EX MH	00:00:02		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:03		
		0.00	REM	General remark: SURVEY SHOULD SHOW EX MH UPTO SW13	00:00:05		
		8.59	MHF	Finish node, manhole, reference: SW13: HYDRO BRAKE	00:00:53		
				SW13			
				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 Inspection - 10/03/2022 - SW14X

Item No. 28	Insp. No. 16	Date 10/03/22	Time 13:00	Client's Job Ref 27646	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SW14X
Operator S.SADLER		Vehicle Not Specified		Camera Solo Pro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID 1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	SW14
Road:	Christie Hospital	Inspected Length:	15.54 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	15.54 m	Downstream Node:	SW16
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:	Post completion condition survey	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:134	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m SW14 0.00 0.02 12.38 15.54 SW16 Depth: m							
			MH	Start node, manhole, reference: SW14	00:00:01		
			WL	Water level, 5% of the vertical dimension	00:00:02		
			JN	Junction at 9 o'clock, 150mm dia	00:00:46		
			MHF	Finish node, manhole, reference: SW16	00:00:58		

Construction Features

Miscellaneous Features

Structural Defects

Service & Operational Observations

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

Section Inspection - 10/03/2022 - SW15X

Item No. 29	Insp. No. 14	Date 10/03/22	Time 12:32	Client's Job Ref 27646	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SW15X
Operator S.SADLER		Vehicle Not Specified		Camera Solo Pro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID 1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	SW15
Road:	Christie Hospital	Inspected Length:	55.59 m	Upstream Pipe Depth:	
Location:	Under a building	Total Length:	55.59 m	Downstream Node:	SW16
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:	Post completion condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:480	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m SW15						
	0.00	MH	Start node, manhole, reference: SW15	00:00:01		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
	15.27	JN	Junction at 3 o'clock, 150mm dia	00:02:03		
	16.85	S01 DES	Settled deposits, fine, 5% cross-sectional area loss, start: sand	00:02:12		
	22.47	WL	Water level, 10% of the vertical dimension	00:02:41		
	30.15	JN	Junction at 3 o'clock, 150mm dia	00:03:29		
	37.53	WL	Water level, 20% of the vertical dimension	00:04:01		
	46.44	IDJ	Infiltration, dripping at joint from 11 o'clock to 01 o'clock	00:05:04		
	46.48	JN	Junction at 3 o'clock, 150mm dia	00:05:08		
	55.59	F01 DES	Settled deposits, fine, 5% cross-sectional area loss, finish: sand	00:06:09		3
	55.59	SA	Survey abandoned: OUT OF CABLE	00:06:10		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	2.0	1.4	78.0	3.0

Section Inspection - 10/03/2022 - SW15X

Item No. 30	Insp. No. 15	Date 10/03/22	Time 12:53	Client's Job Ref 27646	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SW15X
Operator S.SADLER		Vehicle Not Specified		Camera Solo Pro	Preset Length Not Specified	Legal Status Not Specified	Alternative ID 1

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	SW15
Road:	Christie Hospital	Inspected Length:	10.33 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	10.33 m	Downstream Node:	SW16
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:	Post completion condition survey	Lining Material:	No Lining		
Comments:	OVERLAP				
Recommendations:					

Scale:	1:90	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m SW16 0.00 0.00 0.99 1.60 2.18 10.33 SW15 Depth: m							
		0.00	MH	Start node, manhole, reference: SW16	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
		0.99	WL	Water level, 10% of the vertical dimension	00:00:10		
		1.60	WL	Water level, 20% of the vertical dimension	00:00:17		
		2.18	JN	Junction at 9 o'clock, 150mm dia	00:00:23		
		10.33	REM	General remark: OVERLAP COMPLETE	00:01:46		

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	0	0.0	0.0	0.0	1.0

Section Inspection - 10/03/2022 - TANKX

Item No. 31	Insp. No. 1	Date 10/03/22	Time 9:55	Client's Job Ref 36071	Weather No Rain Or Snow	Pre Cleaned Yes	PLR TANKX
Operator S.SADLER		Vehicle PK 68 XZZ		Camera Crawler	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	TANK
Road:	Christie Hospital	Inspected Length:	7.37 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	7.37 m	Downstream Node:	SW11
Surface Type:	Block Paved	Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	375 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Post completion condition survey	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:64	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m SW11 0.00 0.00 7.37 TANK Depth: m							
		0.00	MH	Start node, manhole, reference: SW11	00:00:03		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:03		
		7.37	OCF	Finish node, other special chamber, reference: TANK: TANK	00:00:36		

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