



Project

Project Name: 27471 MAYO MANCHESTER 11 01 22 win

Project Date: 11/01/2022

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

Table of Contents

Project Name	Project Number	Project Date
27471 MAYO MANCHESTER 11 01 22 win		11/01/2022

Project Information	P-1
Scoring Summary	P-2
Section: 1; STUBFW01 > MAIN (STUBFW01X)	1
Section: 2; STUBFW02 > FW01 (STUBFW02X)	2
Section: 3; STUBFW03 > MAIN (STUBFW03X)	3
Section: 4; STUBSW01 > MAIN (STUBSW01X)	4
Section: 5; STUBSW02 > SW01 (STUBSW02X)	5
Section: 6; STUBSW03 > MAIN (STUBSW03X)	6
Section: 7; STUBSW04 > MAIN (STUBSW04X)	7
Section: 8; STUBSW05 > SW01 (STUBSW05X)	8
Section: 9; SW01 > SW02 (SW01X)	9
Section: 10; SW01 > FW01 (SW01X)	10

Project Information

Project Name
27471 MAYO MANCHESTER 11 01 22 win

Project Number

Project Date
11/01/2022

Client

Company: MAYO CIVIL ENGINEERING Ltd
Department: UNIT D, ROCHDALE INDUSTRIAL ESTATE
Street: NORMAN ROAD
Town or City: ROCHDALE
County: LANCASHIRE
Post Code: OL11 4HS

Site

Company: MAYO CIVIL ENGINEERING Ltd
Contact: 27471 MAYO MANCHESTER 11 01 22

Contractor

Company: NRC WWS Ltd
Contact: DEREK KEARNS
Department: SALES MANAGER
Street: UNIT D, RUSSELL ROAD
Town or City: ROCK FERRY, BIRKENHEAD
County: WIRRAL
Post Code: CH42 1LU
Phone: 0151 643 0800
Mobile: 07557 231 879
Email: dkearns@nrcc.com

Scoring Summary

Project Name	Project Number	Project Date
27471 MAYO MANCHESTER 11 01 22 win		11/01/2022

Structural Defects

Section	PLR	Grade	Description
All inspected pipes are in an acceptable structural condition (< grade 3).			

Service / Operational Condition

Section	PLR	Grade	Description
All inspected pipes are in an acceptable service condition (< grade 3).			

Abandoned Surveys

Section	PLR	Description
All inspections complete, none are abandoned.		

Information

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

Section Inspection - 11/01/2022 - STUB FW 01X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
1	1	11/01/22	10:32	27471	No Rain Or Snow	Unknown	STUB FW 01X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
P.WYLDE		Not Specified		Pushrod	Not Specified	Not Specified	1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	STUB FW 01
Road:	Dover Street	Inspected Length:	4.66 m	Upstream Pipe Depth:	
Location:	Difficult access	Total Length:	4.66 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Post completion condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m STUB FW 01							
		0.00	OC	Start node, other special chamber, reference: STUB FW 01: STUB	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:00		
		0.00	LD	Line deviates down	00:00:01		
		4.66	BRF	Finish node, major connection without manhole, reference: MAIN	00:00:18		
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 - 11/01/2022 - STUB FW 02X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
2	1	11/01/22	10:12	27471	No Rain Or Snow	Unknown	STUB FW 02X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
P.WYLDE		Not Specified		Pushrod	Not Specified	Not Specified	1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	STUB FW 02
Road:	Dover Street	Inspected Length:	9.38 m	Upstream Pipe Depth:	
Location:	Difficult access	Total Length:	9.38 m	Downstream Node:	FW01
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Post completion condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:81	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m STUB FW 02							
		0.00	OC	Start node, other special chamber, reference: STUB FW02: STUB	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:00		
		0.00	LD	Line deviates down	00:00:01		
		6.50	JN	Junction at 9 o'clock, 100mm dia	00:00:26		
		6.80	JN	Junction at 3 o'clock, 100mm dia	00:00:43		
		8.49	REM	General remark: DROP SHAFT	00:00:52		
		9.38	MHF	Finish node, manhole, reference: FW01	00:01:00		
FW01 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 - 11/01/2022 - STUB FW 03X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
3	1	11/01/22	10:16	27471	No Rain Or Snow	Unknown	STUB FW 03X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
P.WYLDE		Not Specified		Pushrod	Not Specified	Not Specified	1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	STUB FW 03
Road:	Dover Street	Inspected Length:	6.78 m	Upstream Pipe Depth:	
Location:	Difficult access	Total Length:	6.78 m	Downstream Node:	MAIN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Post completion condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:59	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m STUB FW 03							
		0.00	OC	Start node, other special chamber, reference: STUB FW 03: STUB	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
		0.00	LD	Line deviates down	00:00:02		
		6.78	BRF	Finish node, major connection without manhole, reference: MAIN	00:00:33		
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 - 11/01/2022 - STUB SW01X

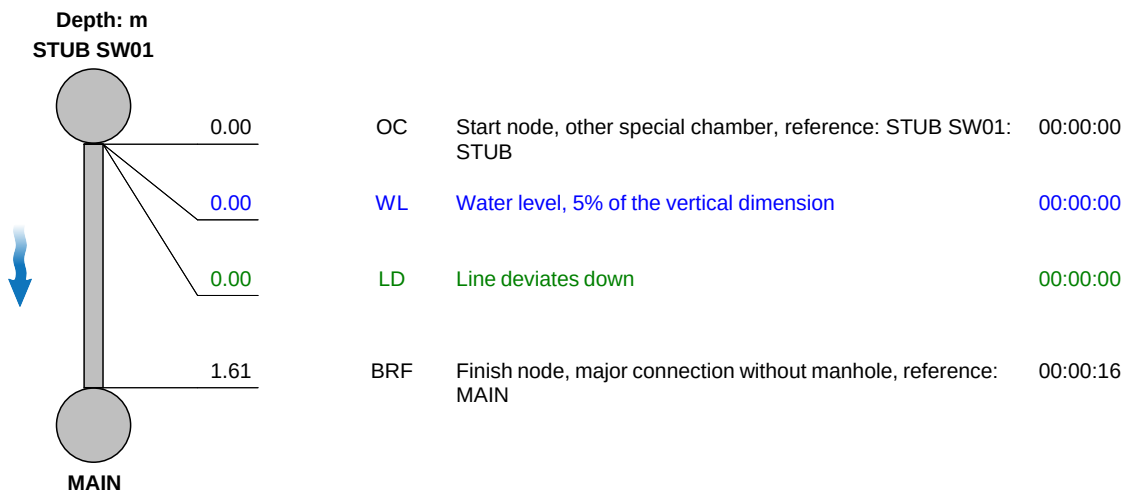
Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
4	1	11/01/22	10:10	27471	No Rain Or Snow	Unknown	STUB SW01X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
P.WYLDE		Not Specified		Pushrod	Not Specified	Not Specified	1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	STUB SW01
Road:	Dover Street	Inspected Length:	1.61 m	Upstream Pipe Depth:	
Location:	Difficult access	Total Length:	1.61 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

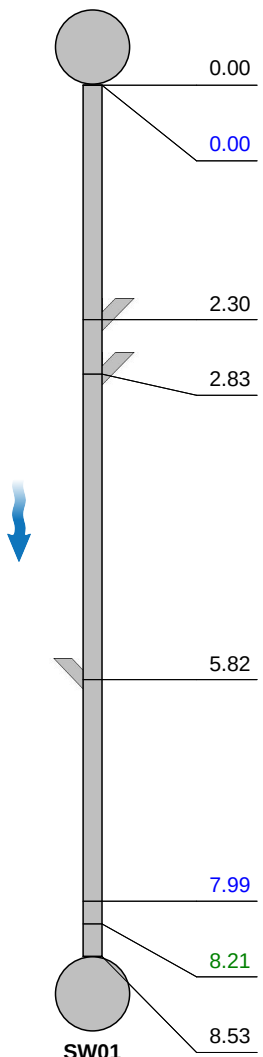
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 11/01/2022 - STUB SW02X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
5	1	11/01/22	10:20	27471	No Rain Or Snow	Unknown	STUB SW02X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
P.WYLDE		Not Specified		Pushrod	Not Specified	Not Specified	1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	STUB SW02
Road:	Dover Street	Inspected Length:	8.53 m	Upstream Pipe Depth:	
Location:	Difficult access	Total Length:	8.53 m	Downstream Node:	SW01
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: 1:74	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m STUB SW02						
						
	0.00	OC	Start node, other special chamber, reference: STUB SW02: STUB	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:00		
	2.30	JN	Junction at 10 o'clock, 150mm dia	00:00:26		
	2.83	JN	Junction at 10 o'clock, 150mm dia	00:00:34		
	5.82	JN	Junction at 3 o'clock, 150mm dia	00:00:47		
	7.99	REM	General remark: DROP SHAFT	00:00:56		
	8.21	LL	Line deviates left	00:01:01		
	8.53	MHF	Finish node, manhole, reference: SW01	00:01:05		
SW01 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 - 11/01/2022 - STUB SW03X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
6	1	11/01/22	10:25	27471	No Rain Or Snow	Unknown	STUB SW03X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
P.WYLDE		Not Specified		Pushrod	Not Specified	Not Specified	1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	STUB SW03
Road:	Dover Street	Inspected Length:	4.23 m	Upstream Pipe Depth:	
Location:	Difficult access	Total Length:	4.23 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 STUB SW03 0.00 0.00 0.00 0.86 4.23 MAIN Depth: m							
		0.00	OC	Start node, other special chamber, reference: STUB SW03: STUB	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:00		
		0.00	LD	Line deviates down	00:00:01		
		0.86	LR	Line deviates right	00:00:11		
		4.23	BRF	Finish node, major connection without manhole, reference: MAIN	00:00:21		

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 - 11/01/2022 - STUB SW04X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
7	1	11/01/22	10:27	27471	No Rain Or Snow	Unknown	STUB SW04X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
P.WYLDE		Not Specified		Pushrod	Not Specified	Not Specified	1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	STUB SW04
Road:	Dover Street	Inspected Length:	9.04 m	Upstream Pipe Depth:	
Location:	Difficult access	Total Length:	9.04 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: 1:78	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m STUB SW04						
	0.00	OC	Start node, other special chamber, reference: STUB SW04: STUB	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
	0.00	LD	Line deviates down	00:00:02		
	1.79	LL	Line deviates left	00:00:16		
	2.68	LL	Line deviates left	00:00:24		
	9.04	BRF	Finish node, major connection without manhole, reference: MAIN	00:00:47		
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 - 11/01/2022 - STUB SW05X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
8	1	11/01/22	10:03	27471	No Rain Or Snow	Unknown	STUB SW05X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
P.WYLDE		Not Specified		Pushrod	Not Specified	Not Specified	1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	STUB SW05
Road:	Dover Street	Inspected Length:	11.15 m	Upstream Pipe Depth:	
Location:	Difficult access	Total Length:	11.15 m	Downstream Node:	SW01
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:	1:97	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m STUB SW05							
		0.00	OC	Start node, other special chamber, reference: STUB SW05: stub	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
		0.00	LD	Line deviates down	00:00:04		
		10.25	REM	General remark: DROP SHAFT	00:00:49		
		10.79	LR	Line deviates right	00:00:59		
		11.15	MHF	Finish node, manhole, reference: SW01	00:01:03		
SW01 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 Inspection - 11/01/2022 - SW01X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
9	1	11/01/22	10:01	24471	No Rain Or Snow	Yes	SW01X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
P.WYLDE		PK20 SYX		Crawler	Not Specified	Private Drain	Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	SW01
Road:	Dover Street	Inspected Length:	4.94 m	Upstream Pipe Depth:	
Location:	Difficult access	Total Length:	4.94 m	Downstream Node:	SW02
Surface Type:	Ballast	Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	450 mm		
Flow Control:	No flow control	Material:	Polyethylene		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m SW02							
		0.00	MH	Start node type, manhole, reference number: SW02	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:00		
		4.94	MHF	Finish node type, manhole, reference number: SW01	00:00:26		
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 - 11/01/2022 - SW01X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
10	1	11/01/22	10:35	27471	No Rain Or Snow	Unknown	SW01X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
P.WYLDE		Not Specified		Pushrod	Not Specified	Not Specified	1

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	SW01
Road:	Dover Street	Inspected Length:	8.00 m	Upstream Pipe Depth:	
Location:	Difficult access	Total Length:	8.00 m	Downstream Node:	FW01
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Post completion condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:69	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m SW01 0.00 0.00 8.00 FW01 Depth: m							
		0.00	MH	Start node, manhole, reference: SW01	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:00		
		8.00	MHF	Finish node, manhole, reference: FW01	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