



Project

Project Name: 2023_11_01 34410 Rochdale Corner Plot
Project Description: CCTV Drainage Survey
Project Number: 34410
Project Status: Complete
Project Date: 11/1/2023
Inspection Standard: MSCC5 Sewers & Drainage GB (SRM5 Scoring)





Table of Contents

Project Name	Project Number	Project Date
2023_11_01 34410 Rochdale Corner Plot	34410	11/1/2023

Scoring Summary	P-2
Legend of Classification (Section)	P-9
Section Item 1: Branch A > MH2 (Branch AX)	3
Section Item 2: Branch B > MH2 (Branch BX)	4
Section Item 3: Branch C > MH2 (Branch CX)	5
Section Item 4: MH2 > Main Line X (MH2X)	6
Section Item 5: Main Line Y > MH1 (Main Line YX)	7
Section Item 6: MH1 > Main Line X (MH1X)	8



Scoring Summary

Project Name
2023_11_01 34410 Rochdale Corner Plot

Project Number
34410

Project Date
11/1/2023

Structural Defects

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

Service / Operational Condition

- Grade 3: Best practice suggests consideration should be given to maintenance activities in the medium term.
- Grade 4: Best practice suggests consideration should be given to maintenance activity to avoid potential blockages.
- Grade 5: Best practice suggests that this pipe is at a high risk of backing up or causing flooding.

Section	PLR	Grade	Description
1	Branch AX	4	Settled deposits, hard or compacted, 25% cross-sectional area loss
3	Branch CX	4	Settled deposits, hard or compacted, 35% cross-sectional area loss
4	MH 2X	4	Joint displaced, large

Abandoned Surveys

Section	PLR	Description
1	Branch AX	Survey abandoned
3	Branch CX	Survey abandoned
4	MH 2X	Survey abandoned

Information

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



Legend of Classification (Section)

Project Name		Project Number	Project Date
2023_11_01 34410 Rochdale Corner Plot		34410	11/1/2023
1:	Brick: Minor structural defects. Other: Minor structural defects, i.e. open or displaced joints without additional characteristics. Acceptable structural condition.		
2:	Brick: Circumferential cracking. Single longitudinal crack. Surface mortar loss (depth missing < 15 mm). Surface damage - spalling slight (breaking away of small fragments from the surface). Surface damage - wear slight (increased roughness). Other: Circumferential cracking. Surface damage - spalling slight (breaking away of small fragments from the surface). Surface damage - wear slight (increased roughness). Minimal collapse likelihood in the short term but potential for further deterioration.		
3:	Brick: Total mortar loss (depth missing > 50 mm) without other defects. More than one longitudinal crack (at a single location). Multiple cracking. Single bricks displaced. Deformation < 5%, no fracture and only moderate mortar loss. Surface damage - spalling medium (large areas of chipped brick). Surface damage - wear medium (entire surface of brick is missing). Other: Fracture with no deformation or deformation < 5%. Longitudinal cracking or multiple cracking. Minor loss of level. Severe joint defects i.e. Surface damage - spalling medium. Surface damage - wear medium. Collapse unlikely in the near future but further deterioration likely.		
4:	Brick: Total mortar loss (depth missing > 50mm) with deformation > 10%; deformation up to 10% and fractured; displaced or hanging brickwork; small number of missing bricks; dropped invert (drop > 20mm); moderate loss of level; surface damage - large spalling (entire surface of brick is missing); surface damage - large wear (entire surface of brick is missing). Other: Broken; deformation up to 10% and broken; fracture with deformation 5-10%; multiple fractures; serious loss of level; serious joint defects with voids or soil visible (open joint with > 50mm soil or void visible or joint displacement > 25% of diameter); surface damage - entire area of pipe surface is missing or severely worn. Collapse likely in the foreseeable future.		
5:	Brick: Already collapsed; missing Invert; deformation > 10% and fractured; displaced or hanging brickwork and deformation < 10%; extensive areas of missing brickwork. Other: Already collapsed; deformation > 10% and broken; extensive areas of pipe fabric missing; fractures with deformation > 10% Collapsed or collapse imminent.		



Abandoned section inspection

Item No. 1	Insp. No. 1	Date 01/11/23	Time 9:59	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR BRANCH AX
Operator L Hilton		Vehicle PK65 HFB		Camera P235 Flexi-Rod	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Rochdale	Inspection Direction:	Upstream	Upstream Node:	BRANCH A
Road:	Station Road	Inspected Length:	4.30 m	Upstream Pipe Depth:	
Location:	Footway	Total Length:	4.30 m	Downstream Node:	MH 2
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm	Width:	100 mm
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:

Recommendations:

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

Depth: m
MH 2

0.00 MH Start node, manhole, reference: MH 2

2.90 JN Junction at 9 o'clock, 100mm dia

4.30 DEC Settled deposits, hard or compacted, 25% cross-sectional area loss: Concrete 4

4.30 SA Survey abandoned: Due to Hard Debris

DEC - 4.30

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



Completed section inspection

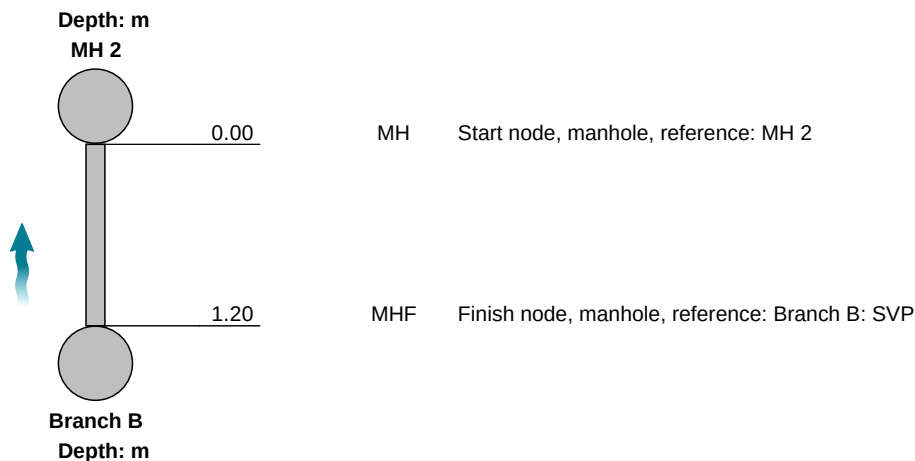
Item No. 2	Insp. No. 1	Date 01/11/23	Time 10:15	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR BRANCH BX
Operator L Hilton		Vehicle PK65 HFB		Camera P235 Flexi-Rod	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Rochdale	Inspection Direction:	Upstream	Upstream Node:	BRANCH B
Road:	Station Road	Inspected Length:	1.20 m	Upstream Pipe Depth:	
Location:	Footway	Total Length:	1.20 m	Downstream Node:	MH 2
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm	Width:	100 mm
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:

Recommendations:

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



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



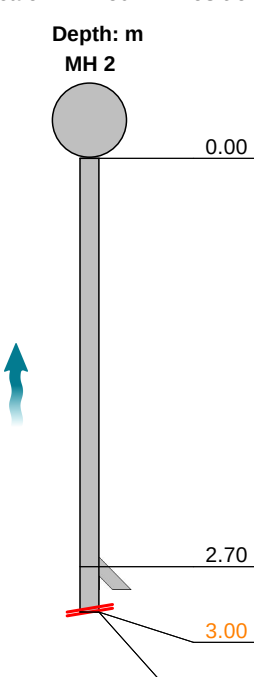
Abandoned section inspection

Item No. 3	Insp. No. 1	Date 01/11/23	Time 10:39	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR BRANCH CX
Operator L Hilton		Vehicle PK65 HFB		Camera P235 Flexi-Rod	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Rochdale	Inspection Direction:	Upstream	Upstream Node:	BRANCH C
Road:	Station Road	Inspected Length:	3.00 m	Upstream Pipe Depth:	
Location:	Footway	Total Length:	3.00 m	Downstream Node:	MH 2
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined		Pipe Shape:	Circular	
Type of Pipe:	Gravity drain/sewer		Dia/Height:	100 mm	Width: 100 mm
Flow Control:	No flow control		Material:	Vitrified clay	
Year Constructed:	Not Specified		Lining Type:	No Lining	
Inspection Purpose:	Sample condition survey		Lining Material:	No Lining	

Comments:

Recommendations:

Scale:	1:50	Position [m]	Code	Observation	Grade
	Depth: m MH 2				
	0.00	MH	Start node, manhole, reference: MH 2		
	2.70	JN	Junction at 9 o'clock, 100mm dia		DEC - 3.00
	3.00	DEC	Settled deposits, hard or compacted, 35% cross-sectional area loss: Concrete	4	
	3.00	SA	Survey abandoned: Due to Hard Debris		

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	1.7	5.0	4.0



Abandoned section inspection

Item No. 4	Insp. No. 1	Date 01/11/23	Time 10:31	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR MH 2X
Operator L Hilton		Vehicle PK65 HFB		Camera P235 Flexi-Rod	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Rochdale	Inspection Direction:	Downstream	Upstream Node:	MH 2
Road:	Station Road	Inspected Length:	3.00 m	Upstream Pipe Depth:	
Location:	Footway	Total Length:	3.00 m	Downstream Node:	MAIN LINEX
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm	Width:	150 mm
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:

Recommendations:

Scale: 1:50

Depth: m

MH 2

Position [m]	Code	Observation	Grade
0.00	MH	Start node, manhole, reference: MH 2	
2.50	JN	Junction at 12 o'clock, 100mm dia: Road Gully	
3.00	JDL	Joint displaced, large	1 / 4
3.00	SA	Survey abandoned: Due to Displacement	

JDL - 3.00

STR No.	Def	STR Peak	STR Mean	STR Total	STR Grade	SER No.	Def	SER Peak	SER Mean	SER Total	SER Grade
1		2.0	0.7	2.0	1.0	1		5.0	1.7	5.0	4.0



Completed section inspection

Item No. 5	Insp. No. 1	Date 01/11/23	Time 11:12	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR MAIN LINEYX
Operator L Hilton		Vehicle PK65 HFB		Camera P235 Tractor	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Rochdale	Inspection Direction:	Upstream	Upstream Node:	MAIN LINEY		
Road:	Station Road	Inspected Length:	12.40 m	Upstream Pipe Depth:			
Location:	Footway	Total Length:	12.40 m	Downstream Node:	MH 1		
Surface Type:		Joint Length:		Downstream Pipe Depth:			
Use:	Combined			Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer			Dia/Height:	225 mm	Width:	225 mm
Flow Control:	No flow control			Material:	Vitrified clay		
Year Constructed:	Not Specified			Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey			Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:108	Position [m]	Code	Observation	Grade
Depth: m MH 1 0.00 2.20 7.10 11.30 11.80 12.40 Main LineY Depth: m					



Completed section inspection