

Project

Project Name: Russell Road
Project Description: CCTV Survey
Project Number: 23343
Project Status: Complete
Project Date: 13/12/2024
Inspection Standard: MSCC5 Sewers & Drainage GB (SRM5 Scoring)

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Russell Road

Project Number
23343

Project Date
13/12/2024

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Project Information

Project Name
Russell Road**Project Number**
23343**Project Date**
13/12/2024

Client

Company: Rowlinson Construction
Description: Construction
Contact: Paul Slater
Department: Pre Construction
Street: 118b Gatley Road
Town or City: gatley
County: Greater Manchester
Post Code: SK8 4AU

Site

Company: Rowlinson Construction
Description: Construction
Contact: Paul Slater
Department: Pre Construction
Street: Russell Road
Town or City: Manchester
County: Greater Manchester
Post Code: M16 8DH

Contractor

Company: Drainrite Environmental Services Ltd.
Description: Drainage Contractor
Contact: Mr. M. Bent
Department: Director
Street: Suite 10, Vermont House, Bradley Lane.
Town or City: Standish
County: Greater Manchester
Post Code: WN6 0XF
Phone: 01942 230 023
Fax: 01942 230 024
Email: reactive@drainrite-environmental.co.uk

Scoring Summary

Project Name
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Structural Defects

Grade 3: Best practice suggests consideration should be given to repairs in the medium term.

Grade 4: Best practice suggests consideration should be given to repairs to avoid a potential collapse.

Grade 5: Best practice suggests that this pipe is at risk of collapse at any time. Urgent consideration should be given to repairs to avoid total failure.

Section	PLR	Grade	Description
2	MH 14X	4	Fractures, multiple from 12 o'clock to 12 o'clock

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	MH 25X	3	Joint displaced, medium
2	MH 14X	2	Multiple defects

Abandoned Surveys

Section	PLR	Description
All inspections complete, none are abandoned.		

Information

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

Project Summary

Project Name
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13/12/2024

Pipe Summary

No.	Type	PLR	Upstream Node	Downstream Node	Road	Town	Use	Mat.	Profile	Length
1	SEC	MH 25X	MH 25	MAIN	Russell Road	Walley Range	C	VC	Circular 225mm	7.14 m
2	SEC	MH 14X	MH 14	MAIN	Russell Road	Walley Range	C	VC	Circular 300mm	17.10 m
Total:										24.24 m

Pipe Levels

No.	PLR	Upstream Node	Upstream C.L.	Upstream I.L.	Upstream I.D.	Downstream Node	Downstream C.L.	Downstream I.L.	Downstream I.D.
1	MH 25X	MH 25			0.000 m	MAIN			0.000 m
2	MH 14X	MH 14			0.000 m	MAIN			0.000 m

Pipe Summary by Profile

Profile	Total Length	No. Pipes
Circular 225mm	7.14 m	
Circular 225mm =	7.14 m	1
Circular 300mm	17.10 m	
Circular 300mm =	17.10 m	1
Total =	24.24 m	2

Inspection Summary

Pipe No.	Insp. No.	Upstream Node	Downstream Node	Dir.	Operator	Insp. Date	Insp. Time	Str	Ser	Final Observation	Length
1	1	MH 25	MAIN	DS	Anthony Brown	13/12/2024	10:42	1	3	MHF	7.14 m
2	1	MH 14	MAIN	DS	Anthony Brown	13/12/2024	12:22	4	3	MHF	17.10 m

Project Summary

Project Name Russell Road	Project Number 23343	Project Date 13/12/2024
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Pipe No.	Insp. No.	Upstream Node	Downstream Node	Dir.	Operator	Insp. Date	Insp. Time	Str	Ser	Final Observation	Length
Total:											24.24 m

Inspection Summary by Profile

Profile	Total Length	No. Inspections
Circular 225mm	7.14 m	
Circular 225mm =	7.14 m	1
Circular 300mm	17.10 m	
Circular 300mm =	17.10 m	1
Total =	24.24 m	2

Defect Summary

Defect Summary				CCTV Drainage Survey Observation Count																				
				General				Structural Condition								Service Condition						Misc		
Sect. No.	Insp. No.	Upstream Node	Downstream Node	Insp. Length (m)	No. Grade 4/5 Obs.	Survey Abandoned	Camera Under Water	Cracks	Fractures	Broken	Deformed	Collapsed	Holes	Surface Damage	Displaced Joints	Open Joints	Roots	Infiltration	Encrustation	Silt	Grease	Obstruction	Water Level	Line Deviates
1	1	MH 25	MAIN	7.1											1								1	1
2	1	MH 14	MAIN	17.1	1			1	1		1												1	
Total:				24.2	1			1	1		1				1								2	1

Section Inspection - 13/12/2024 - MH 25X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
1	1	13/12/24	10:42	23343	No Rain Or Snow	Yes	MH 25X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
Anthony Brown		CCTV 1		P550	Not Specified	Private Drain	Not Specified

Town or Village:	Walley Range	Inspection Direction:	Downstream	Upstream Node:	MH 25
Road:	Russell Road	Inspected Length:	7.14 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	7.14 m	Downstream Node:	MAIN
Surface Type:	Asphalt Highway	Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:	
Recommendations:	None

Scale:	1:62	Position [m]	Code	Observation	MPEG	Photo	Grade								
Depth: m MH 25 0.00 0.10 0.10 WL JDM LR Water level, 0% of the vertical dimension Joint displaced, medium Line deviates right 00:00:12 00:00:12 MH 25X_88bd 38b9-748d MH 25X_f5a04 bc5-c807- MH 25X_c25b e6f0-a5b6- 1 / 3 <tr><td colspan="8"> 7.14 MH Start node, manhole, reference: MH 25 00:00:00 7.14 MHF Finish node, manhole, reference: MAIN 00:00:43 MH 25X_1802 5c35-1e8a </td></tr>								7.14 MH Start node, manhole, reference: MH 25 00:00:00 7.14 MHF Finish node, manhole, reference: MAIN 00:00:43 MH 25X_1802 5c35-1e8a							
7.14 MH Start node, manhole, reference: MH 25 00:00:00 7.14 MHF Finish node, manhole, reference: MAIN 00:00:43 MH 25X_1802 5c35-1e8a															

Section Pictures - 13/12/2024 - MH 25X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	MH 25X	23343	R783 28080



MH
25X_88bd38b9-748d-4684-a8e0-00284db91ae9_20241213_1
31702_630.jpg, 0.00 m
Water level, 0% of the vertical dimension



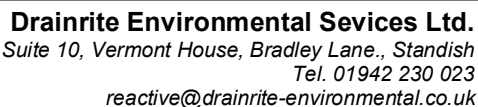
MH
25X_f5a04bc5-c807-455a-9cfc-f273a1b82d66_20241213_131
736_616.jpg, 00:00:12, 0.10 m
Joint displaced, medium



MH
25X_c25be6f0-a5b6-48f4-ac28-247a3d333981_20241213_13
1802_748.jpg, 00:00:12, 0.10 m
Line deviates right



MH
25X_18025c35-1e8a-446b-a412-240a4fc0d8b0_20241213_13
1905_379.jpg, 00:00:43, 7.14 m
Finish node, manhole, reference: MAIN



Item No. 2	Insp. No. 1	Date 13/12/24	Time 12:22	Client's Job Ref 23343	Weather No Rain Or Snow	Pre Cleaned Yes	PLR MH 14X
Operator Anthony Brown		Vehicle CCTV 1		Camera P550	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Walley Range	Inspection Direction:	Downstream	Upstream Node:	MH 14
Road:	Russell Road	Inspected Length:	17.10 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	17.10 m	Downstream Node:	MAIN
Surface Type:	Asphalt Highway	Joint Length:		Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	300 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations: None

Scale:	1:149	Position [m]	Code	Observation	MPEG	Photo	Grade
	0.00	MH	Start node, manhole, reference: MH 14	00:00:00			
	0.00	WL	Water level, 0% of the vertical dimension			MH 14X_065e 9c99-63dc	
	0.00	JN	Junction at 11 o'clock, 150mm dia	00:00:59		MH 14X_9630 1134-c358	
	2.61	CC	Crack, circumferential from 7 o'clock to 5 o'clock	00:01:21		MH 14X_c5cfb ed8-13d6-	2 / 2
	2.77	FM	Fractures, multiple from 12 o'clock to 12 o'clock	00:00:29		MH 14X_b49e 79ca-91c7	4 / 2
		D	Deformed sewer or drain, 5%	00:00:29		MH 14X_625b cc0b-507e	2 / 2
	9.80	JN	Junction at 12 o'clock, 150mm dia	00:00:57		MH 14X_b6d0 00e5-2370	
	17.10	MHF	Finish node, manhole, reference: MAIN	00:01:29		MH 14X_e907f a0c-6733-	

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
3	100.0	6.4	110.0	4.0	3	2.0	0.2	3.0	3.0

Section Pictures - 13/12/2024 - MH 14X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Downstream	MH 14X	23343	R783 28080



MH
 14X_065e9c99-63dc-40ba-a226-db2774414a60_20241213_1
 32147_427.jpg, 0.00 m
 Water level, 0% of the vertical dimension



MH
 14X_96301134-c358-4c4a-b97f-c43d5f708b58_20241213_13
 2617_984.jpg, 00:00:59, 0.00 m
 Junction at 11 o'clock, 150mm dia



MH
 14X_c5cfbed8-13d6-4d19-9def-e65f87fa8e1d_20241213_132
 838_904.jpg, 00:01:21, 0.00 m
 Crack, circumferential from 7 o'clock to 5 o'clock



MH
 14X_b49e79ca-91c7-4a55-a4d0-64c3836b8e3e_20241213_1
 32359_309.jpg, 00:00:29, 2.61 m
 Fractures, multiple from 12 o'clock to 12 o'clock

Section Pictures - 13/12/2024 - MH 14X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Downstream	MH 14X	23343	R783 28080



MH
 14X_625bcc0b-507e-4196-946c-ad69b5581467_20241213_1
 32410_047.jpg, 00:00:29, 2.77 m
 Deformed sewer or drain, 5%



MH
 14X_b6d000e5-2370-4220-87f3-02461de9b09d_20241213_1
 32520_770.jpg, 00:00:57, 9.80 m
 Junction at 12 o'clock, 150mm dia



MH
 14X_e907fa0c-6733-493b-bab0-421952fc6e6e_20241213_13
 2940_886.jpg, 00:01:29, 17.10 m
 Finish node, manhole, reference: MAIN