SDS Ltd
DRAINAGE SPECIALIST

CCTV Inspection Report

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Wavell Road
Manchester
M22

28/02/2024

Job Number: MCR2 Teledata

Sewer Drainage Specialist Ltd

12 Urmston Lane, Stretford, Greater Manchester, M32 9BQ
Tel: 07799 803317

Sewer Drainage Specialist Ltd
112 Urmston Lane
Stretford
Greater Manchester
M32 9BQ

Project Information

Job Number	Surveyed by (Operator)	Base Unit	Date
MCR2 Teledata	**Aden**	**TWK3E3VLMD**	**28/02/2024**

Client Details:

Murphy Geospatial
Unit 16a, Deanway Trading Estate, Wilmslow Rd,
Handforth, SK9 3HW, United Kingdom

Client Contact Name: William Valentine
Client Contact Tel: 07934357880

Site Details:

Wavell Road
Manchester
M22

Contractor Details:

Sewer Drainage Specialist Ltd
112 Urmston Lane
Stretford
Greater Manchester
M32 9BQ

Office Contact Number: 07799 803317

Purpose of Survey:

Issue 1 â€“ We need this run continuing to find what it picks up. See comments on attached.
Issue 2 â€“ Were we not able to expose this gully/drainage?
Issue 3 â€“ We need this run continuing to find what it picks up. See comments on attached.

Report Contents

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This sketch is not to scale and does not represent the exact routing of the drainage system



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Site Photos

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Manhole / **Access Point:** MH05 Internal



Manhole / **Access Point:** MH05 Location



Manhole / **Access Point:** MH09 Location



Manhole / **Access Point:** MH09 Internal



Other Site Photos: Unable to locate chamber as per topo provided on two seprate occasions, site contact aware on site

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
Aden	**MCR2 Teledata**	**MH09 X**	**28/02/2024**	**Flushed through to enable survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**3/0**	**TWK3E3VLMD**	**1**

Road **Wavell Road**
Place **Manchester**
Location **M22**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Vitrified clay**
Category

Start Node **MH09**
End Node **MH05**
Total length **16.5 metres**

Scale **1:0.87**
Direction **Downstream**

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Start Node Ref:MH09 | I/L : metres | Depth: 2.44 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MH09	9290359	Comment / 0
0.00	WL	Water level 5% height/diameter	9290361	Comment / 0
4.67	DEE	Attached deposits, encrustation from 8 to 4 o'clock 10% cross-sectional area loss	9290395	Service / 3
5.90	DEE	Attached deposits, encrustation from 8 to 4 o'clock 10% cross-sectional area loss	9290396	Service / 3
7.24	DEE	Attached deposits, encrustation at 8 o'clock 10% cross-sectional area loss	9290409	Service / 3
10.19	JN	Junction at 2 o'clock, diameter 100mm	9290419	Comment / 0
10.33	DEE	Attached deposits, encrustation from 7 to 5 o'clock 10% cross-sectional area loss	9290411	Service / 3
12.50	DEE	Attached deposits, encrustation from 7 to 4 o'clock 10% cross-sectional area loss	9290437	Service / 3
14.50	DEE	Attached deposits, encrustation at 6 o'clock 10% cross-sectional area loss	9290493	Service / 3
16.50	MHF	Finish node type, manhole, reference MH05	9290495	Comment / 0

End Node Ref:MH05 | I/L : metres | Depth: 3.10 metres

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CCTV Inspection Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
MCR2 Teledata	**Aden**	**TWK3E3VLMD**	**28/02/2024**



Start node type, manhole, reference MH09



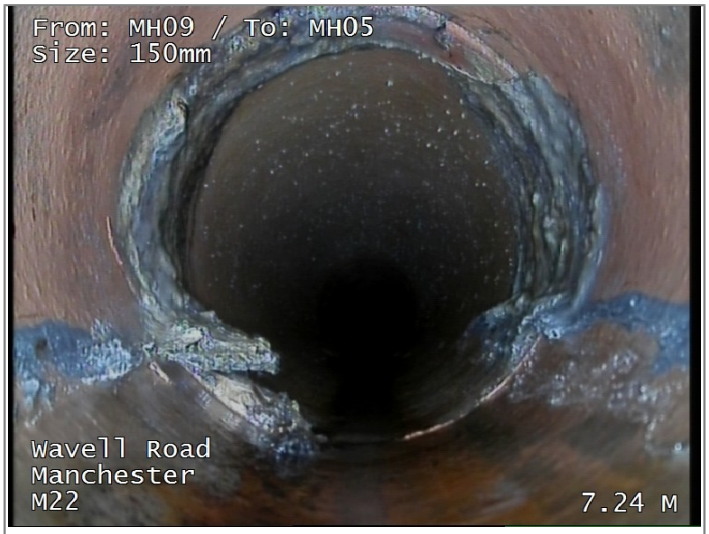
Water level 5% height/diameter



Attached deposits, encrustation from 8 to 4 o'clock 10% cross-sectional area loss



Attached deposits, encrustation from 8 to 4 o'clock 10% cross-sectional area loss



Attached deposits, encrustation at 8 o'clock 10% cross-sectional area loss



Junction at 2 o'clock, diameter 100mm

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Job Number	Surveyed by (Operator)	Base Unit	Date
MCR2 Teledata	**Aden**	**TWK3E3VLMD**	**28/02/2024**



Attached deposits, encrustation from 7 to 5 o'clock 10% cross-sectional area loss



Attached deposits, encrustation from 7 to 4 o'clock 10% cross-sectional area loss



Attached deposits, encrustation at 6 o'clock 10% cross-sectional area loss



Finish node type, manhole, reference MH05

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
Aden	**MCR2 Teledata**	**MH08 X**	**28/02/2024**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**4/2**	**TWK3E3VLMD**	**2**

Road **Wavell Road**
Place **Manchester**
Location **M22**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Vitrified clay**
Category

Start Node **MH09**
End Node **MH08**
Total length **32.05 metres**

Scale **1:1.68**
Direction **Upstream**

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Start Node Ref:MH09 | I/L : metres | Depth: 2.44 metres



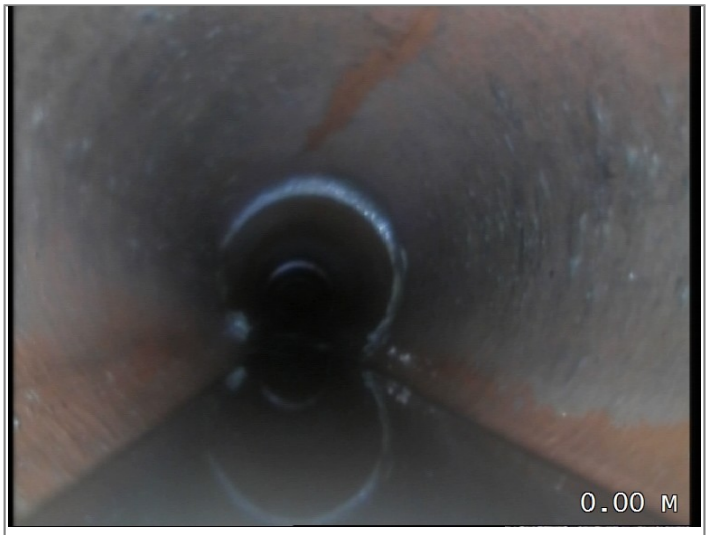
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MH09	9291244	Comment / 0
0.00	WL	Water level 5% height/diameter	9291245	Comment / 0
6.52	IS	Infiltration seeping at 12 o'clock	9291252	Service / 2
11.57	CCJ	Crack circumferential from 8 to 2 o'clock, at joint	9291265	Structural / 2
13.69	JN	Junction at 3 o'clock, diameter 100mm	9291285	Comment / 0
15.00	JN	Junction at 10 o'clock, diameter 100mm	9291288	Comment / 0
15.12	DEEJ	Attached deposits, encrustation from 6 to 6 o'clock 25% cross-sectional area loss, at joint	9291290	Service / 4
21.14	JN	Junction at 3 o'clock, diameter 100mm	9291299	Comment / 0
22.52	CCJ	Crack circumferential from 8 to 4 o'clock, at joint	9291328	Structural / 2
32.05	MHF	Finish node type, manhole, reference MH08	9291346	Comment / 0

End Node Ref:MH08 | I/L : metres

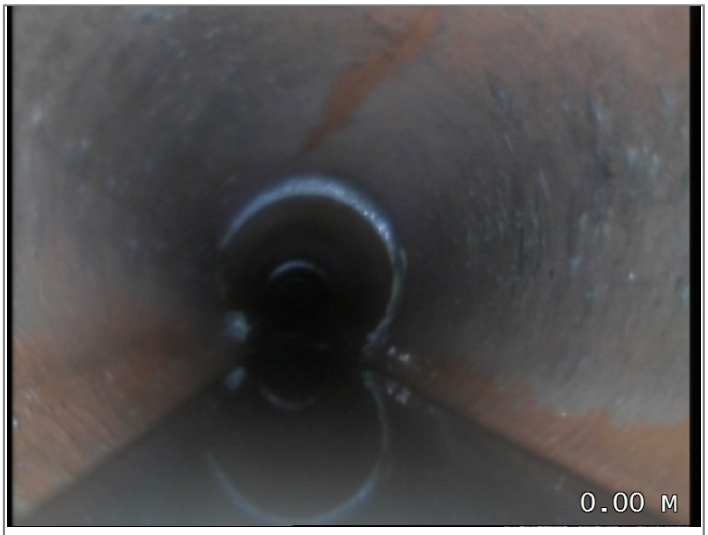
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MCR2 Teledata	**Aden**	**TWK3E3VLMD**	**28/02/2024**



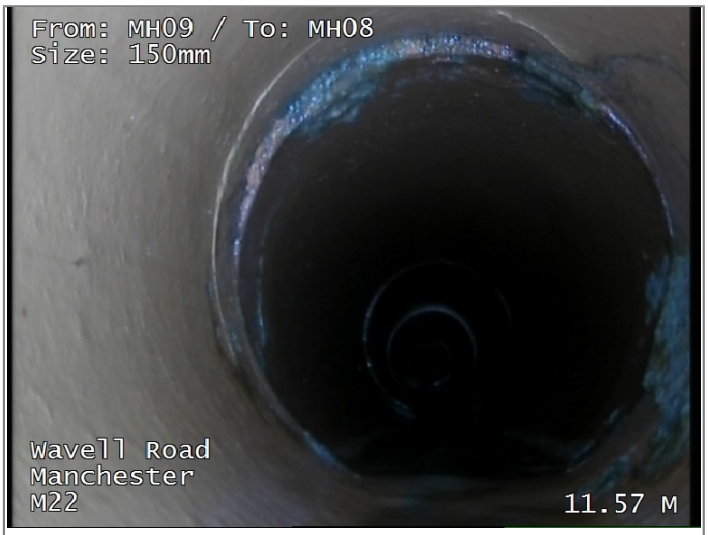
Start node type, manhole, reference MH09



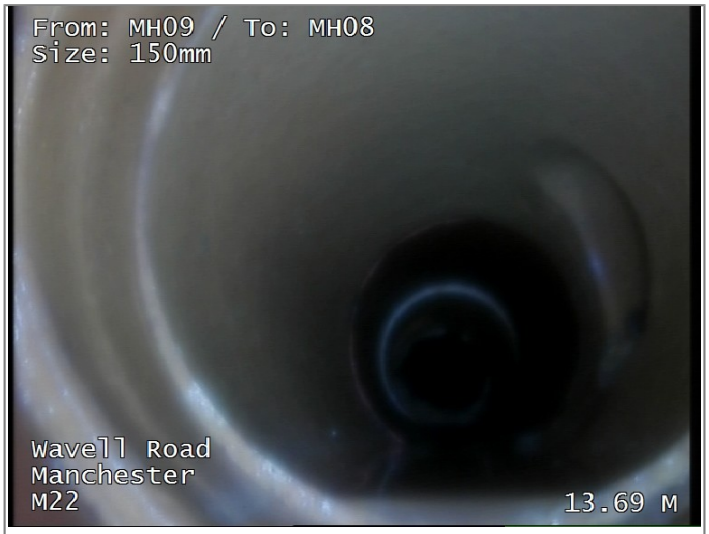
Water level 5% height/diameter



Infiltration seeping at 12 o'clock



Crack circumferential from 8 to 2 o'clock, at joint



Junction at 3 o'clock, diameter 100mm



Junction at 10 o'clock, diameter 100mm

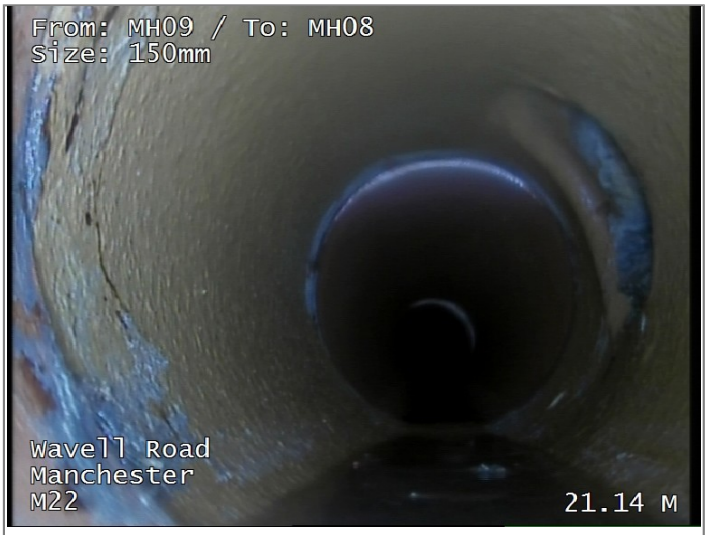
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Job Number	Surveyed by (Operator)	Base Unit	Date
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Attached deposits, encrustation from 6 to 6 o'clock 25% cross-sectional area loss, at joint



Junction at 3 o'clock, diameter 100mm



Crack circumferential from 8 to 4 o'clock, at joint



Finish node type, manhole, reference MH08

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Structural Defects (SRM 4)

Job Number	Surveyed by (Operator)	Base Unit	Date
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No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
1	MH09 X	D	F	150	28/02/2024	Vitrified clay	16.5 metres	16.5		0	1	0	0
2	MH08 X	U	S	150	28/02/2024	Vitrified clay	32.05 metres	32.05		10	2	0.62	20

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Service Defects (SRM 4)

Job Number	Surveyed by (Operator)	Base Unit	Date
MCR2 Teledata	**Aden**	**TWK3E3VLMD**	**28/02/2024**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
1	MH09 X	D	F	150	28/02/2024	Vitrified clay	16.5 metres	16.5		2	3	0.73	12
2	MH08 X	U	S	150	28/02/2024	Vitrified clay	32.05 metres	32.05		5	4	0.19	6

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Defect Grade Descriptions

Job Number	Surveyed by (Operator)	Base Unit	Date
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1: Occurences without damage. For example, laterals, joints,etc.

NO DEFECTS WERE DETECTED.

2: Constructional deficiencies or occurences with insignificant influence to tightness, hydraulic or static pressure or pipe: Eg. wide joints, badly torched intakes, minor deformation of plastic pipes, minor erosions etc.

REHABILITATION CAN BE SCHEDULED LONG-TERM.

3: Constructional deficiencies diminishing static, hydraulic and tightness: Eg. untorched intakes, cracks, minor drainage obstructions such as calcite build ups, protruding laterals, minor damages to pipe wall, individual root penetrations, corroded pipe walls etc.

REHABILITATION IS NECESSARY MEDIUM-TERM WITHIN 3 TO 5 YEARS.

4: Constructional damages with insufficent static safety, hydraulic or tightness: Eg. axial/radial pipe bursts, pipe deformations, visually noticeable infiltration/exfiltration, cavities, in pipe-wall, severe protruding, laterals severe root penetrations, severe corrosion of pipe wall etc.

REHABILITATION PROCEDURE IS URGENT AND HAS TO BE COMPLETED WITHIN 1 TO 2 YEARS. NECESSITY FOR EMERGENCY OPERATIONS HAS TO BE EXAMINED.

5: Pipe is already or will shortly be impermeable: Eg. collapsed pipe, deeply rooted pipe or other drainage obstructions. Pipe loses water or danger of backwater in basements etc.

REHABILITATION IS URGENT AND SHORT-TERM. IN ORDER TO PREVENT FURTHER DAMAGE, NECESSARY TEMPORARY SPOT REPAIR HAS TO BE CONDUCTED ON EMERGENCY LEVEL.