SDS Ltd
DRAINAGE SPECIALIST

CCTV Inspection Report

View via iTouch Live

Your full report, including the video is only a click away download or view online now.

BENNETT STREET, ARDWICK, MANCHESTER M12 5NE

21/12/2024

Job Number: BENNETT STREET, ARDWICK M12 5NE-MERGE

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
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**

Client Details:

Kellen Homes
1st Floor, 103 Dalton Avenue, Birchwood Park,
Warrington WA3 6YE

Site Details:

BENNETT STREET, ARDWICK, MANCHESTER M12 5NE

Contractor Details:

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

Office Contact Number: 07799 803317

Purpose of Survey:

Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**

Report Contents

Page 1	Cover Page	
Page 2	Job Overview	
Page 3	Contents Page	
Page 5	Site Photos	
Page 8	Job Summary	
Page 11	Survey Run Sheet(Survey 1 - F5 to F4)	View via iTouch Live
Page 13	Survey Run Sheet(Survey 2 - F5 to F6)	View via iTouch Live
Page 15	Survey Run Sheet(Survey 3 - F7 to F6)	View via iTouch Live
Page 17	Survey Run Sheet(Survey 4 - F15 to F14)	View via iTouch Live
Page 19	Survey Run Sheet(Survey 5 - F15 to F16)	View via iTouch Live
Page 21	Survey Run Sheet(Survey 6 - F16 to F24)	View via iTouch Live
Page 23	Survey Run Sheet(Survey 7 - F12 to F11)	View via iTouch Live
Page 25	Survey Run Sheet(Survey 8 - F12 to F13)	View via iTouch Live
Page 27	Survey Run Sheet(Survey 9 - F13 to F14)	View via iTouch Live
Page 29	Survey Run Sheet(Survey 10 - F7 to F3)	View via iTouch Live
Page 31	Survey Run Sheet(Survey 11 - F3 to F2)	View via iTouch Live

Report Contents

Page 33	Survey Run Sheet(Survey 12 - F7 to F6)	View via iTouch Live
Page 35	Survey Run Sheet(Survey 13 - S30 to S29)	View via iTouch Live
Page 37	Survey Run Sheet(Survey 14 - S29 to S28)	View via iTouch Live
Page 40	Survey Run Sheet(Survey 15 - S30 to SHB3)	View via iTouch Live
Page 42	Survey Run Sheet(Survey 16 - S42 to S40)	View via iTouch Live
Page 45	Survey Run Sheet(Survey 17 - S42 to S41)	View via iTouch Live
Page 47	Defect Summary	
Page 49	Grade Defect Descriptions	

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

Site Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**

Other Site Photos: S29

Other Site Photos: General photo

Other Site Photos: Plank of wood jetted out of 150 line in F9

Other Site Photos: F9 debris removed

Other Site Photos: S41

Other Site Photos: SCWC

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

Site Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**

Other Site Photos: Grout in foul line

Other Site Photos: S42

Other Site Photos: F9

Other Site Photos: F14

Other Site Photos: F10

Other Site Photos: F7

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

Site Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**

Other Site Photos:

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

Report Summary

Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**

Job Information

Total Distance Surveyed: **2218.27 meters**
Engineer: **DANNY**
Number of Surveys: **17**
Number of Surveys grade 4 or above: **0**

Section 1 Overview (21/12/2024)

Manholes: **F5 to F4**
Pipe Length: **19.97 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 2 Overview (21/12/2024)

Manholes: **F5 to F6**
Pipe Length: **64.73 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 3 Overview (21/12/2024)

Manholes: **F7 to F6**
Pipe Length: **20.95 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 4 Overview (22/12/2024)

Manholes: **F15 to F14**
Pipe Length: **43.3 metres**
Structural Grade: **0**
Service Grade: **5**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

Section 5 Overview (22/12/2024)

Manholes: **F15 to F16**
Pipe Length: **41.34 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

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

Report Summary

Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**

Section 6 Overview (22/12/2024)

Manholes: **F16 to F24**
Pipe Length: **8.47 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

Section 7 Overview (22/12/2024)

Manholes: **F12 to F11**
Pipe Length: **54.23 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 8 Overview (22/12/2024)

Manholes: **F12 to F13**
Pipe Length: **1774 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 9 Overview (22/12/2024)

Manholes: **F13 to F14**
Pipe Length: **14.44 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 10 Overview (23/12/2024)

Manholes: **F7 to F3**
Pipe Length: **21.65 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 11 Overview (23/12/2024)

Manholes: **F3 to F2**
Pipe Length: **50.34 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

F2 NEEDS DEBRIS CLEARING OUT OF MH

Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**

Section 12 Overview (23/12/2024)

Manholes: **F7 to F6**
Pipe Length: **20.9 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 13 Overview (23/12/2024)

Manholes: **S30 to S29**
Pipe Length: **21.61 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **300mm**
Use: **Surface water**

Section 14 Overview (23/12/2024)

Manholes: **S29 to S28**
Pipe Length: **40.78 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **300mm**
Use: **Surface water**

Section 15 Overview (23/12/2024)

Manholes: **S30 to SHB3**
Pipe Length: **2.67 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **300mm**
Use: **Surface water**

Section 16 Overview (23/12/2024)

Manholes: **S42 to S40**
Pipe Length: **12.18 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Concrete**
Pipe Size: **375mm**
Use: **Surface water**

Section 17 Overview (23/12/2024)

Manholes: **S42 to S41**
Pipe Length: **6.71 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Concrete**
Pipe Size: **375mm**
Use: **Surface water**

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

CCTV Inspection Report

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DANNY	**BENNETT STREET, ARDWICK M12 5NE-MERGE**	**F4 X**	**21/12/2024**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**4YX4UA9K4R**	**1**

Road **BENNETT STREET, ARDWICK, MANCHESTER M12 5NE**
Place
Location

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F5**
End Node **F4**
Total length **19.97 metres**

Scale **1:1.05**
Direction **Upstream**

View via iTouch Live | Download

Start Node Ref:F5 | I/L : metres

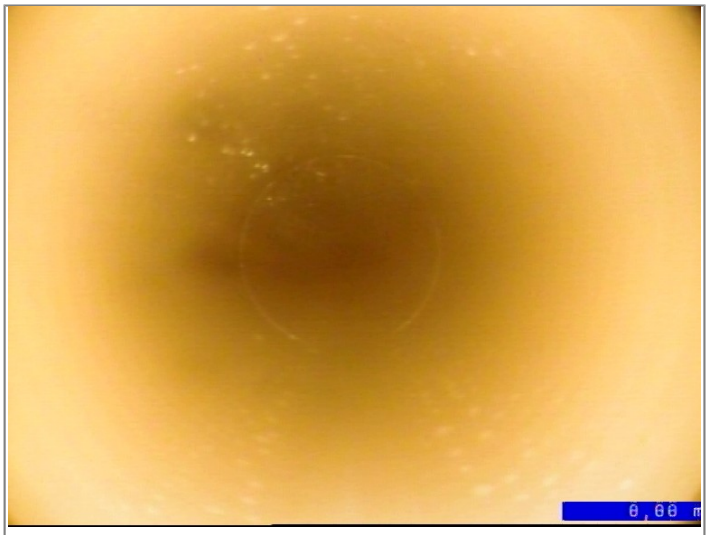
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F5	11024382	Comment / 0
0.00	WL	Water level 0% height/diameter	11024383	Comment / 0
19.97	MHF	Finish node type, manhole, reference F4	11024384	Comment / 0

End Node Ref:F4 | I/L : metres

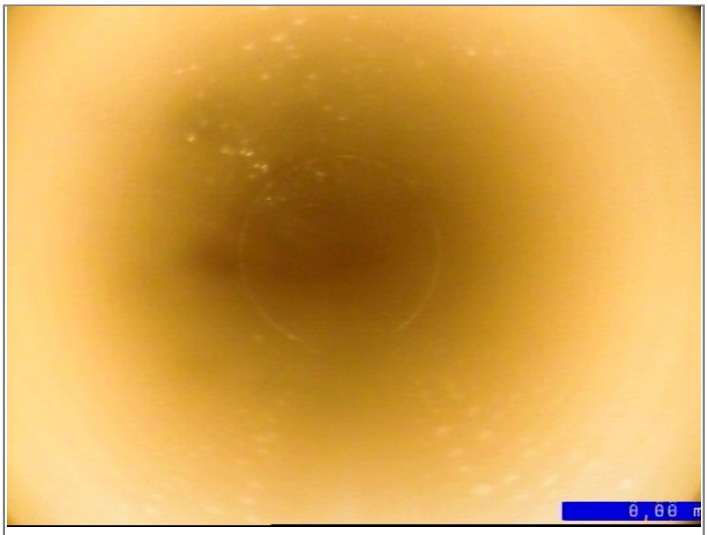
Sewer Drainage Specialist Ltd
112 Urmston Lane
Stretford
Greater Manchester
M32 9BQ

CCTV Inspection Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**



Start node type, manhole, reference F5



Water level 0% height/diameter

Finish node type, manhole, reference F4

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

CCTV Inspection Report

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DANNY	**BENNETT STREET, ARDWICK M12 5NE-MERGE**	**F5 X**	**21/12/2024**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**4YX4UA9K4R**	**2**

Road **BENNETT STREET, ARDWICK, MANCHESTER M12 5NE**
Place
Location

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F5**
End Node **F6**
Total length **64.73 metres**

Scale **1:3.40**
Direction **Downstream**

View via iTouch Live | Download

Start Node Ref:F5 | I/L : metres

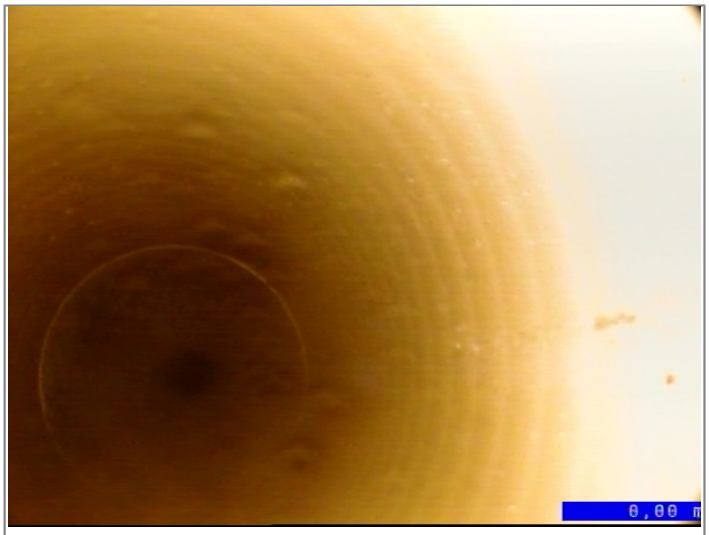
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F5	11024385	Comment / 0
0.00	WL	Water level 5% height/diameter	11024386	Comment / 0
64.73	MHF	Finish node type, manhole, reference F6	11024387	Comment / 0

End Node Ref:F6 | I/L : metres

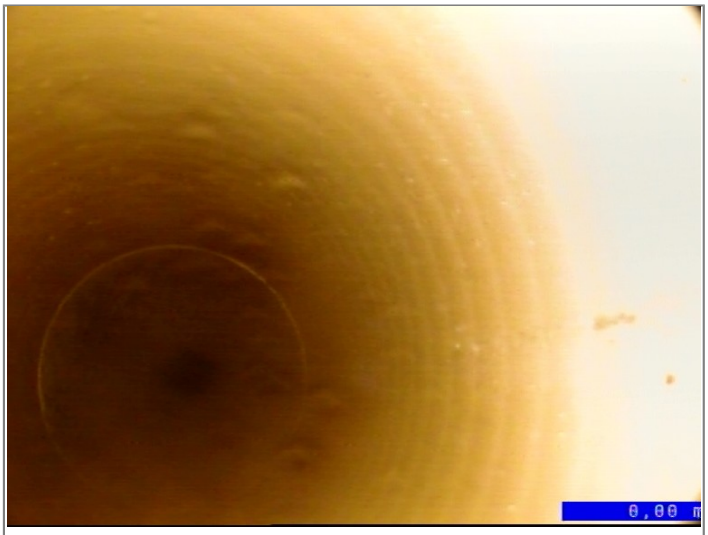
Sewer Drainage Specialist Ltd
112 Urmston Lane
Stretford
Greater Manchester
M32 9BQ

CCTV Inspection Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**



Start node type, manhole, reference F5



Water level 5% height/diameter

Finish node type, manhole, reference F6

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

CCTV Inspection Report

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DANNY	**BENNETT STREET, ARDWICK M12 5NE-MERGE**	**F6 X**	**21/12/2024**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**4YX4UA9K4R**	**3**

Road **BENNETT STREET, ARDWICK, MANCHESTER M12 5NE**
Place
Location

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F7**
End Node **F6**
Total length **20.95 metres**

Scale **1:1.10**
Direction **Upstream**

View via iTouch Live | Download

Start Node Ref:F7 | I/L : metres

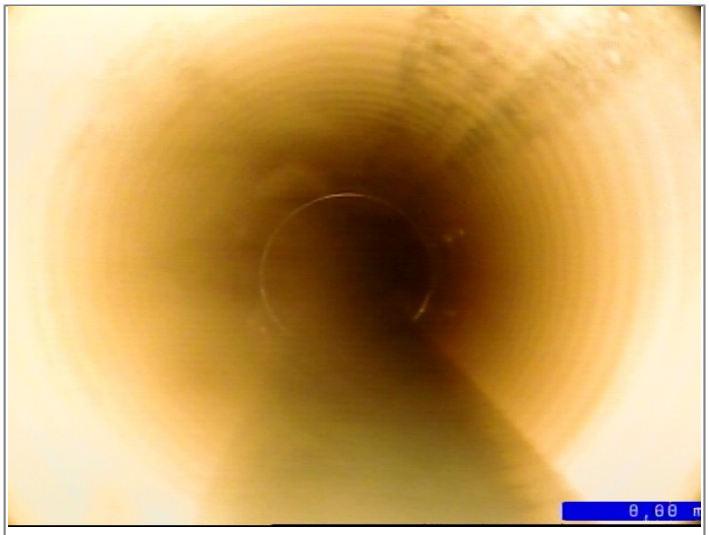
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F7	11024388	Comment / 0
0.00	WL	Water level 5% height/diameter	11024389	Comment / 0
20.95	MHF	Finish node type, manhole, reference F6	11024390	Comment / 0

End Node Ref:F6 | I/L : metres

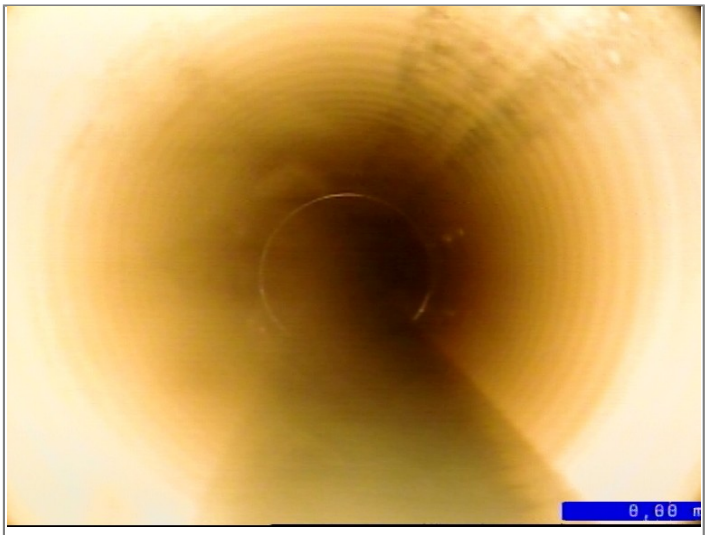
Sewer Drainage Specialist Ltd
112 Urmston Lane
Stretford
Greater Manchester
M32 9BQ

CCTV Inspection Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**



Start node type, manhole, reference F7



Water level 5% height/diameter

Finish node type, manhole, reference F6

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

CCTV Inspection Report

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DANNY	**BENNETT STREET, ARDWICK M12 5NE-MERGE**	**F14 X**	**22/12/2024**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**5/0**	**4YX4UA9K4R**	**4**

Road **BENNETT STREET, ARDWICK, MANCHESTER M12 5NE**
Place
Location

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F15**
End Node **F14**
Total length **43.3 metres**

Scale **1:2.27**
Direction **Upstream**

View via iTouch Live | Download

Start Node Ref:F15 | I/L : metres

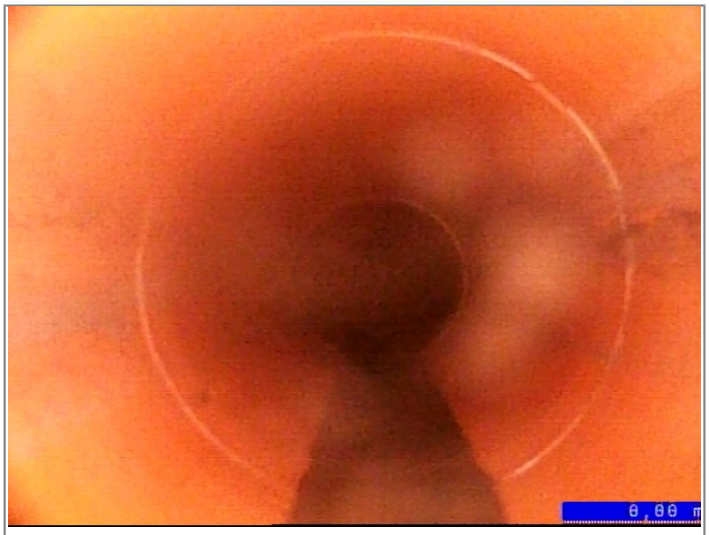
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F14	11024397	Comment / 0
0.00	WL	Water level 5% height/diameter	11024398	Comment / 0
42.31	IG	Infiltration gushing at 7 o'clock	11024399	Service / 5
43.30	MHF	Finish node type, manhole, reference F15	11024400	Comment / 0

End Node Ref:F14 | I/L : metres

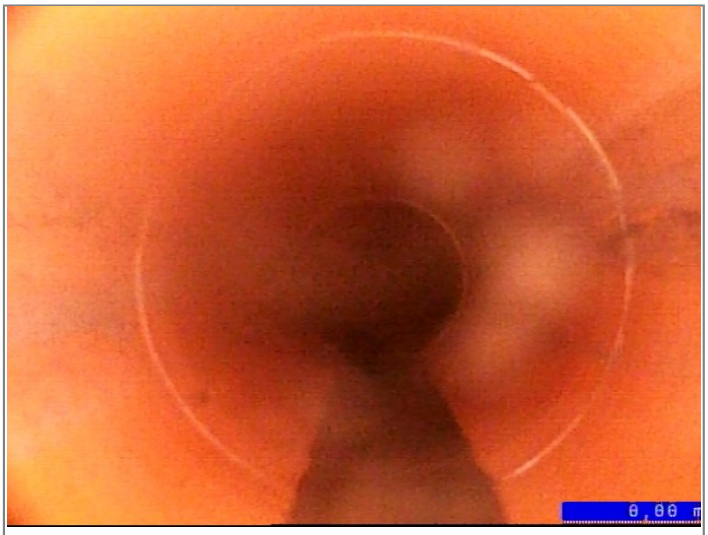
Sewer Drainage Specialist Ltd
112 Urmston Lane
Stretford
Greater Manchester
M32 9BQ

CCTV Inspection Photos

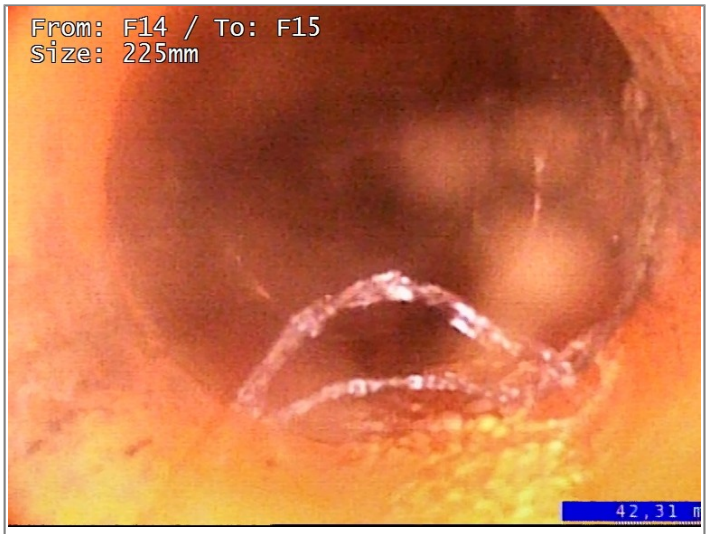
Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**



Start node type, manhole, reference F14



Water level 5% height/diameter



Infiltration gushing at 7 o'clock

Finish node type, manhole, reference F15

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

CCTV Inspection Report

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DANNY	**BENNETT STREET, ARDWICK M12 5NE-MERGE**	**F15 X**	**22/12/2024**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**4YX4UA9K4R**	**5**

Road **BENNETT STREET, ARDWICK, MANCHESTER M12 5NE**
Place
Location

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F15**
End Node **F16**
Total length **41.34 metres**

Scale **1:2.17**
Direction **Downstream**

View via iTouch Live | Download

Start Node Ref:F15 | I/L : metres

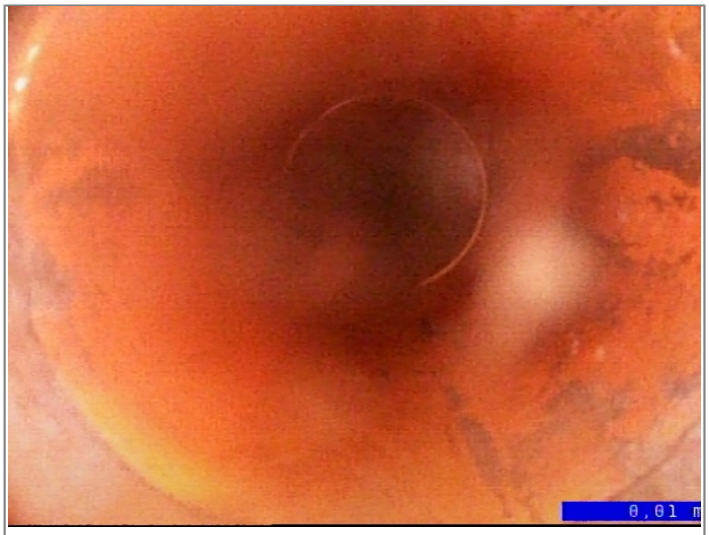
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F15	11024401	Comment / 0
0.00	WL	Water level 5% height/diameter	11024402	Comment / 0
41.34	MHF	Finish node type, manhole, reference F16	11024403	Comment / 0

End Node Ref:F16 | I/L : metres

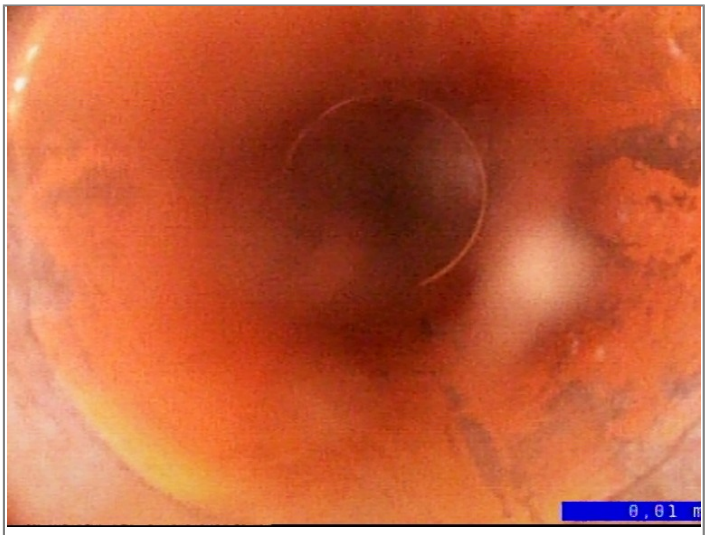
Sewer Drainage Specialist Ltd
112 Urmston Lane
Stretford
Greater Manchester
M32 9BQ

CCTV Inspection Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**



Start node type, manhole, reference F15



Water level 5% height/diameter

Finish node type, manhole, reference F16

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

CCTV Inspection Report

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DANNY	**BENNETT STREET, ARDWICK M12 5NE-MERGE**	**F16 X**	**22/12/2024**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**4YX4UA9K4R**	**6**

Road **BENNETT STREET, ARDWICK, MANCHESTER M12 5NE**
Place
Location

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F16**
End Node **F24**
Total length **8.47 metres**

Scale **1:0.44**
Direction **Downstream**

View via iTouch Live | Download

Start Node Ref:F16 | I/L : metres

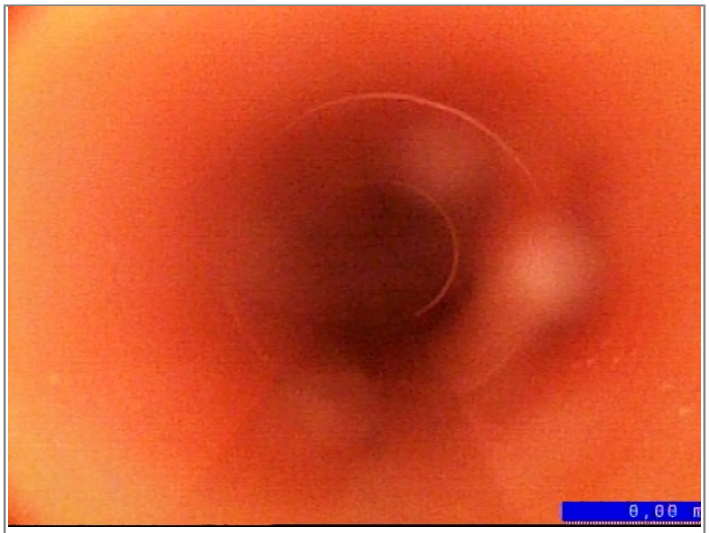
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F16	11024404	Comment / 0
0.00	WL	Water level 5% height/diameter	11024405	Comment / 0
8.47	JN	Junction at 6 o'clock, diameter 225mm	11024406	Comment / 0
8.47	MHF	Finish node type, manhole, reference F24	11024407	Comment / 0
8.47	REM	STOPPED AT BACKDROP INTO F24	11024408	Comment / 0

End Node Ref:F24 | I/L : metres

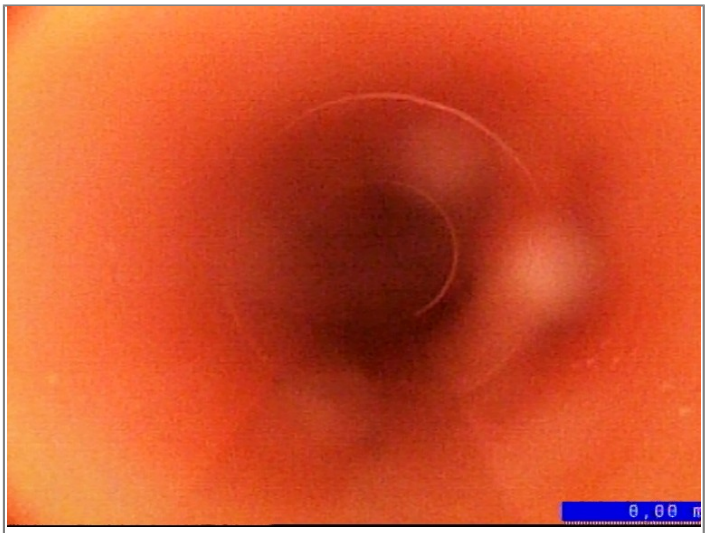
Sewer Drainage Specialist Ltd
112 Urmston Lane
Stretford
Greater Manchester
M32 9BQ

CCTV Inspection Photos

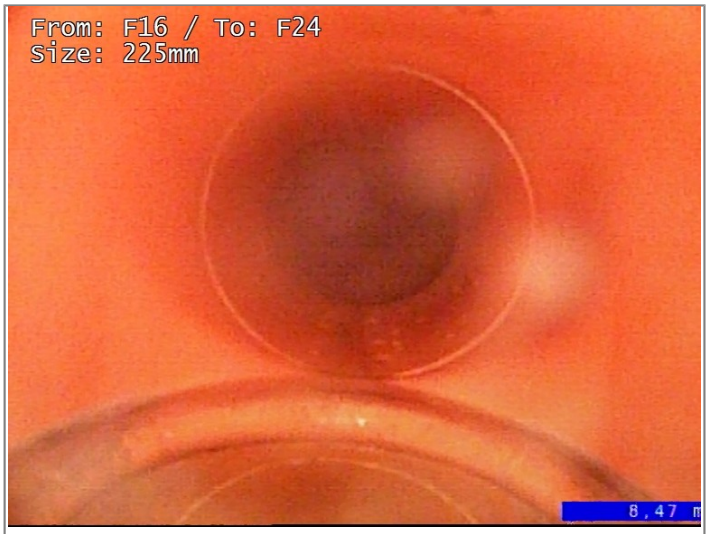
Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**



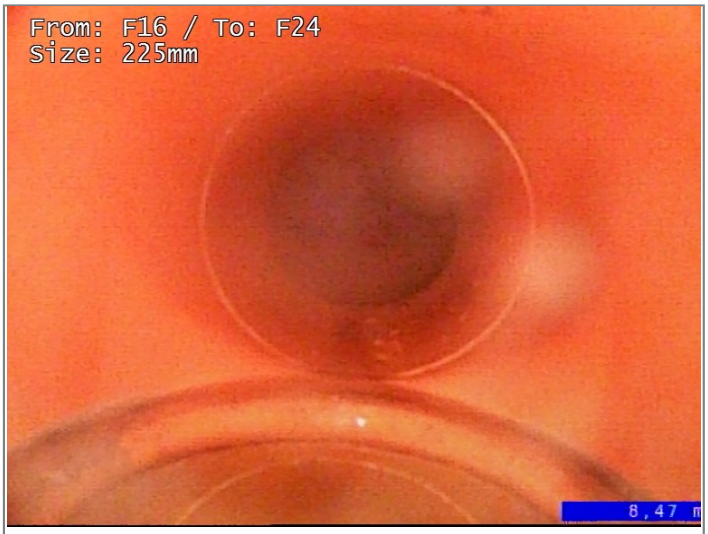
Start node type, manhole, reference F16



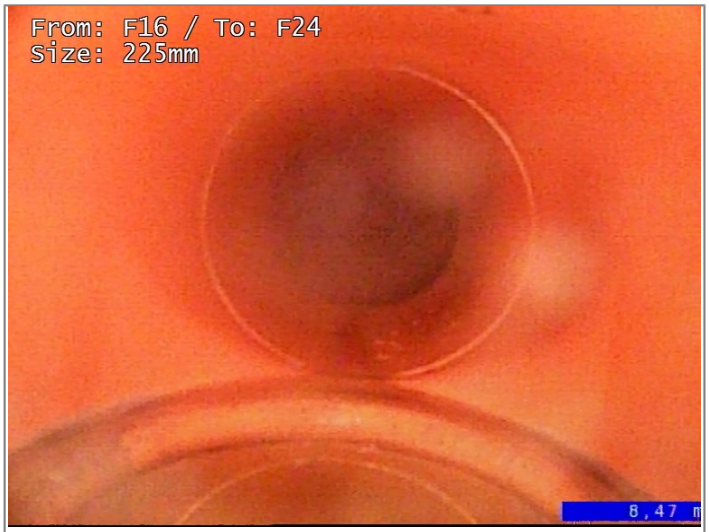
Water level 5% height/diameter



Junction at 6 o'clock, diameter 225mm



Finish node type, manhole, reference F24



STOPPED AT BACKDROP INTO F24

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

CCTV Inspection Report

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DANNY	**BENNETT STREET, ARDWICK M12 5NE-MERGE**	**F11 X**	**22/12/2024**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**4YX4UA9K4R**	**7**

Road **BENNETT STREET, ARDWICK, MANCHESTER M12 5NE**
Place
Location

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F12**
End Node **F11**
Total length **54.23 metres**

Scale **1:2.85**
Direction **Upstream**

View via iTouch Live | Download

Start Node Ref:F12 | I/L : metres

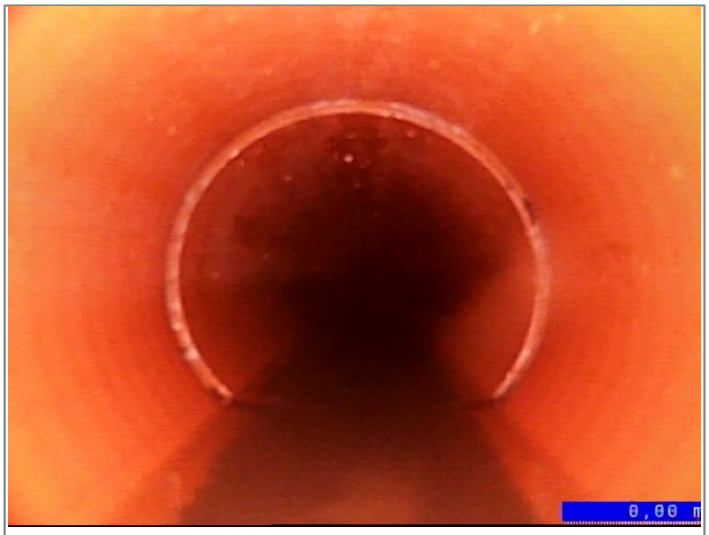
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F12	11024413	Comment / 0
0.00	WL	Water level 10% height/diameter	11024414	Comment / 0
4.97	WL	Water level 5% height/diameter	11024415	Comment / 0
54.23	MHF	Finish node type, manhole, reference F11	11024416	Comment / 0

End Node Ref:F11 | I/L : metres

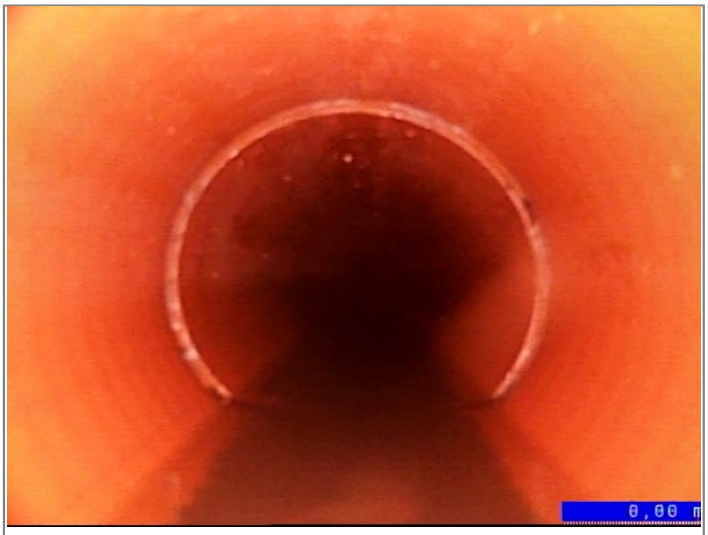
Sewer Drainage Specialist Ltd
112 Urmston Lane
Stretford
Greater Manchester
M32 9BQ

CCTV Inspection Photos

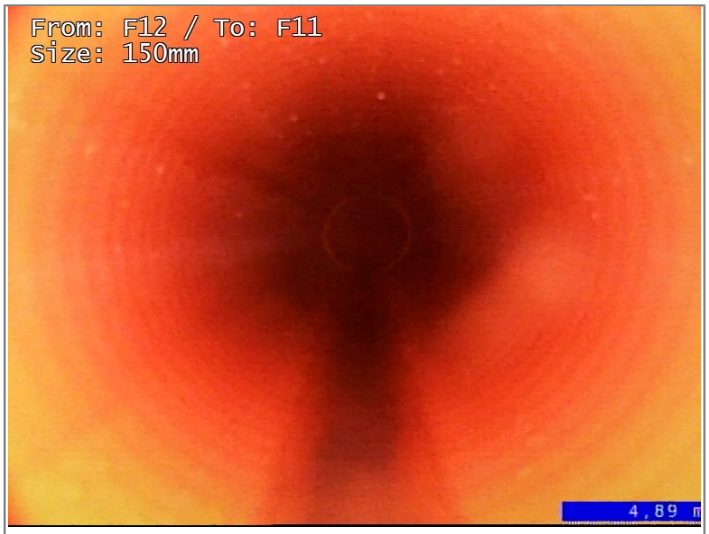
Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**



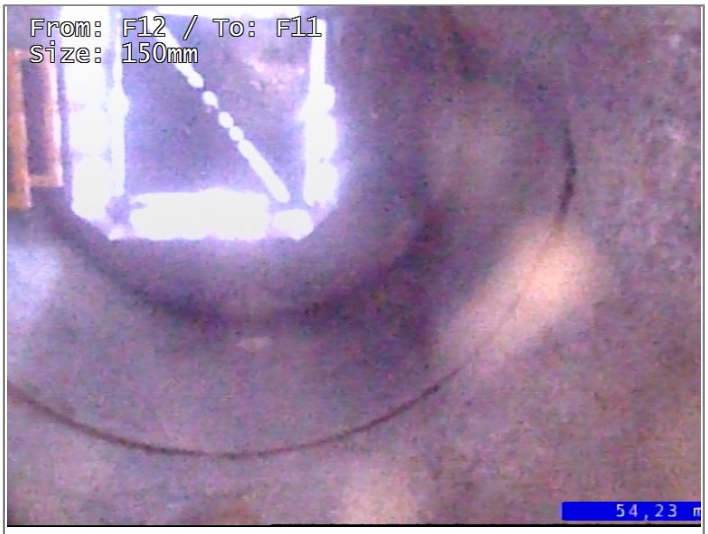
Start node type, manhole, reference F12



Water level 10% height/diameter



Water level 5% height/diameter



Finish node type, manhole, reference F11

SDS Ltd
DRAINAGE SPECIALIST

CCTV Inspection Report

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

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DANNY	**BENNETT STREET, ARDWICK M12 5NE-MERGE**	**F12 X**	**22/12/2024**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**4YX4UA9K4R**	**8**

Road **BENNETT STREET, ARDWICK, MANCHESTER M12 5NE**
Place
Location

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F12**
End Node **F13**
Total length **1774 metres**

Scale **1:93.12**
Direction **Downstream**

View via iTouch Live | Download

Start Node Ref:F12 | I/L : metres

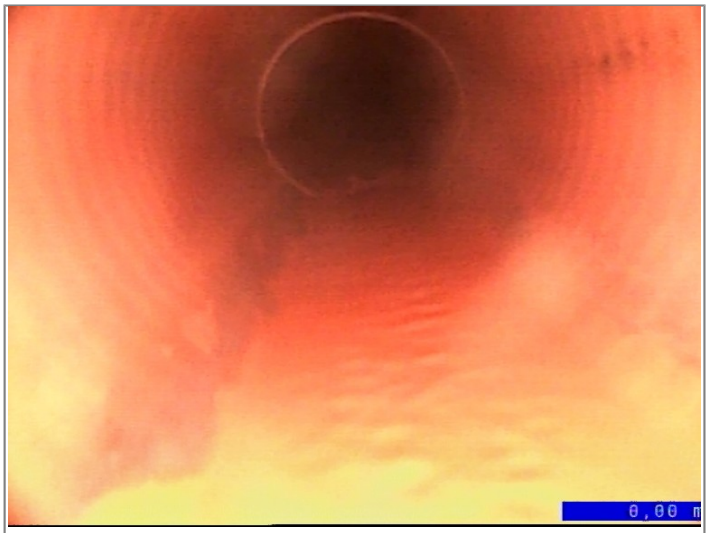
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F12	11024417	Comment / 0
0.00	WL	Water level 5% height/diameter	11024418	Comment / 0
3.61	REM	SILT LEVELS EVIDENT, PIPE WAS 100% SILTED BEFIRE CLEANING	11024419	Comment / 0
1774.00	MHF	Finish node type, manhole, reference F13	11024420	Comment / 0

End Node Ref:F13 | I/L : metres

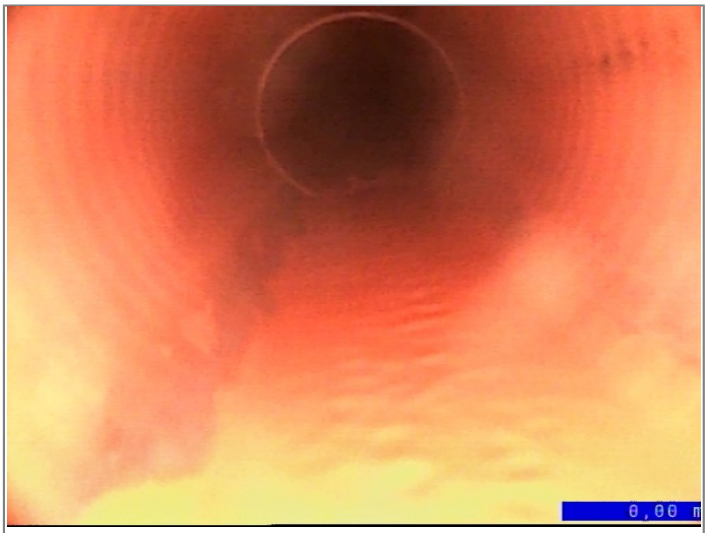
Sewer Drainage Specialist Ltd
112 Urmston Lane
Stretford
Greater Manchester
M32 9BQ

CCTV Inspection Photos

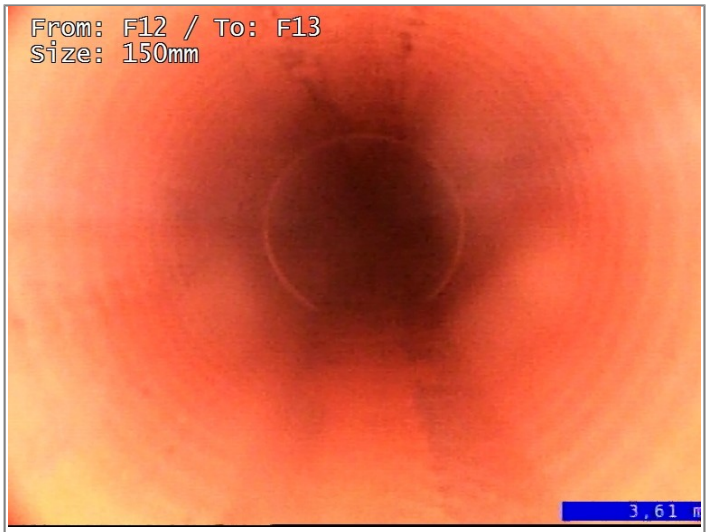
Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**



Start node type, manhole, reference F12



Water level 5% height/diameter



SILT LEVELS EVIDENT, PIPE WAS 100% SILTED BEFIRE CLEANING

Finish node type, manhole, reference F13

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

CCTV Inspection Report

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DANNY	**BENNETT STREET, ARDWICK M12 5NE-MERGE**	**F13 X**	**22/12/2024**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**4YX4UA9K4R**	**9**

Road **BENNETT STREET, ARDWICK, MANCHESTER M12 5NE**
Place
Location

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F13**
End Node **F14**
Total length **14.44 metres**

Scale **1:0.76**
Direction **Downstream**

View via iTouch Live | Download

Start Node Ref:F13 | I/L : metres

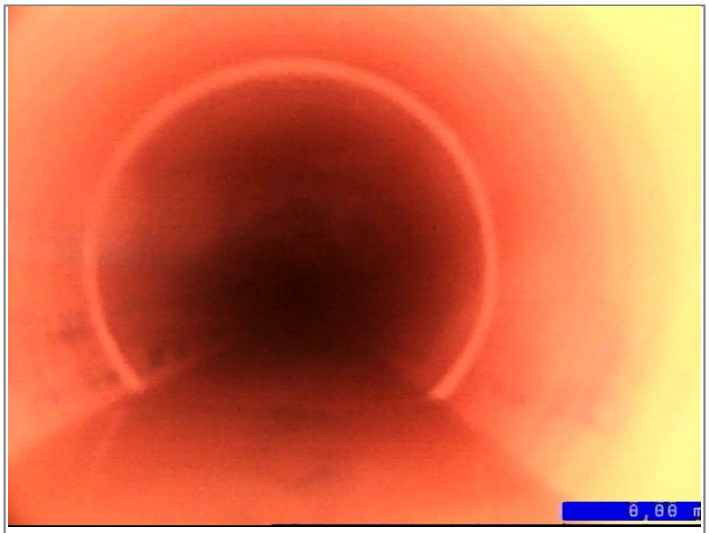
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F13	11024421	Comment / 0
0.00	WL	Water level 5% height/diameter	11024422	Comment / 0
14.44	MHF	Finish node type, manhole, reference F14	11024423	Comment / 0

End Node Ref:F14 | I/L : metres

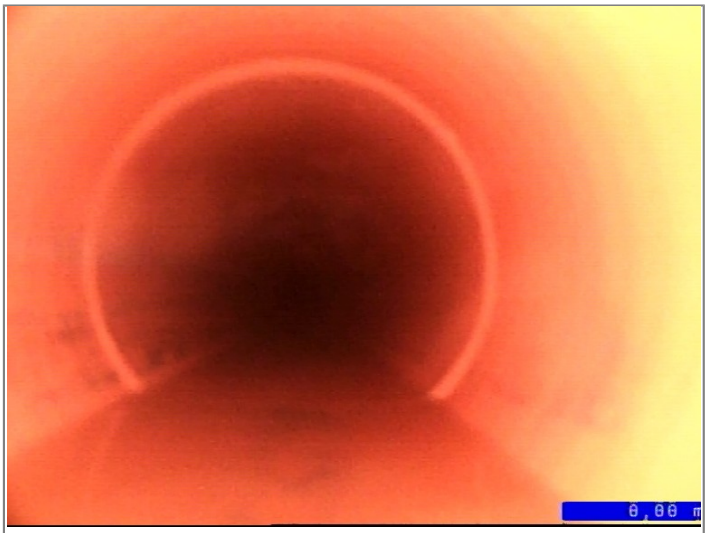
Sewer Drainage Specialist Ltd
112 Urmston Lane
Stretford
Greater Manchester
M32 9BQ

CCTV Inspection Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**



Start node type, manhole, reference F13



Water level 5% height/diameter

Finish node type, manhole, reference F14

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

CCTV Inspection Report

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DANNY	**BENNETT STREET, ARDWICK M12 5NE-MERGE**	**F3 X**	**23/12/2024**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**4YX4UA9K4R**	**10**

Road **BENNETT STREET, ARDWICK, MANCHESTER M12 5NE**
Place
Location

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F7**
End Node **F3**
Total length **21.65 metres**

Scale **1:1.14**
Direction **Upstream**

View via iTouch Live | Download

Start Node Ref:F7 | I/L : metres

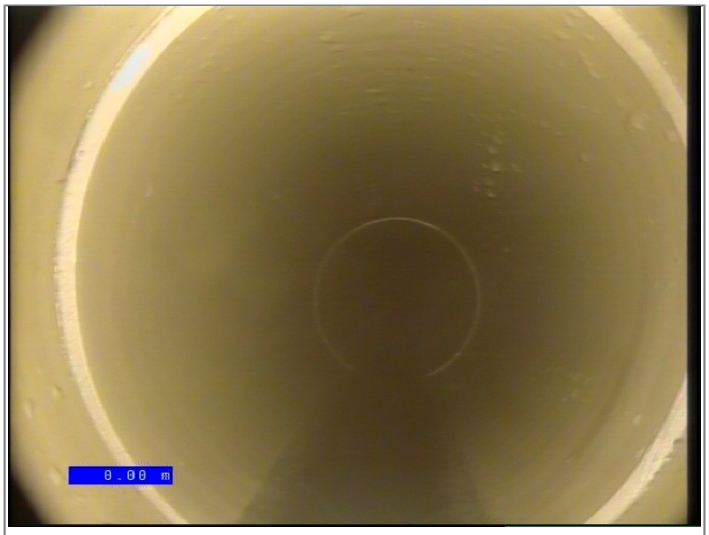
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F7	11024424	Comment / 0
0.00	WL	Water level 5% height/diameter	11024425	Comment / 0
21.65	MHF	Finish node type, manhole, reference F3	11024426	Comment / 0

End Node Ref:F3 | I/L : metres

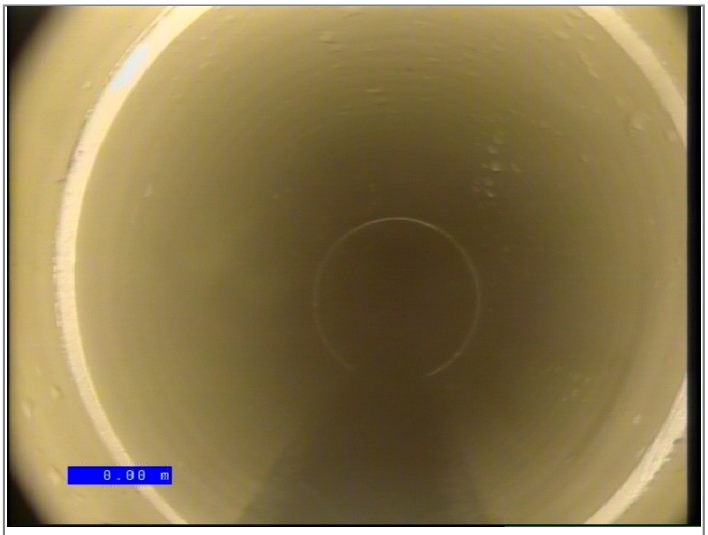
Sewer Drainage Specialist Ltd
112 Urmston Lane
Stretford
Greater Manchester
M32 9BQ

CCTV Inspection Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**



Start node type, manhole, reference F7



Water level 5% height/diameter

Finish node type, manhole, reference F3

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

CCTV Inspection Report

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DANNY	**BENNETT STREET, ARDWICK M12 5NE-MERGE**	**F2 X**	**23/12/2024**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**4YX4UA9K4R**	**11**

Road **BENNETT STREET, ARDWICK, MANCHESTER M12 5NE**
Place
Location

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F3**
End Node **F2**
Total length **50.34 metres**

Scale **1:2.64**
Direction **Upstream**

View via iTouch Live | Download

Start Node Ref:F3 | I/L : metres

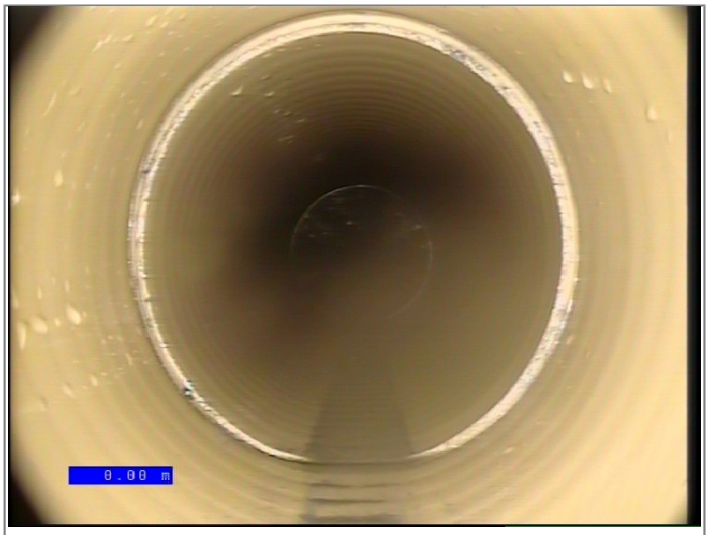
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F3	11024427	Comment / 0
0.00	WL	Water level 5% height/diameter	11024428	Comment / 0
50.34	MHF	Finish node type, manhole, reference F2	11024429	Comment / 0

End Node Ref:F2 | I/L : metres

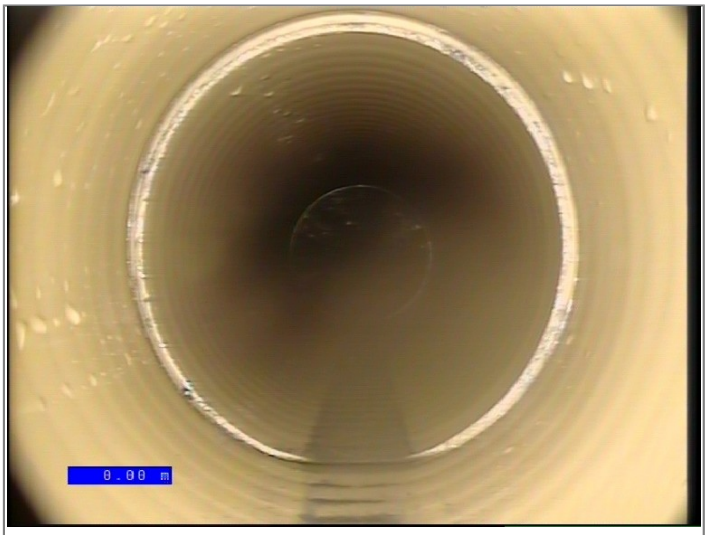
Sewer Drainage Specialist Ltd
112 Urmston Lane
Stretford
Greater Manchester
M32 9BQ

CCTV Inspection Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**



Start node type, manhole, reference F3



Water level 5% height/diameter

Finish node type, manhole, reference F2

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

CCTV Inspection Report

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DANNY	**BENNETT STREET, ARDWICK M12 5NE-MERGE**	**F6 X**	**23/12/2024**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**4YX4UA9K4R**	**12**

Road **BENNETT STREET, ARDWICK, MANCHESTER M12 5NE**
Place
Location

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F7**
End Node **F6**
Total length **20.9 metres**

Scale **1:1.10**
Direction **Upstream**

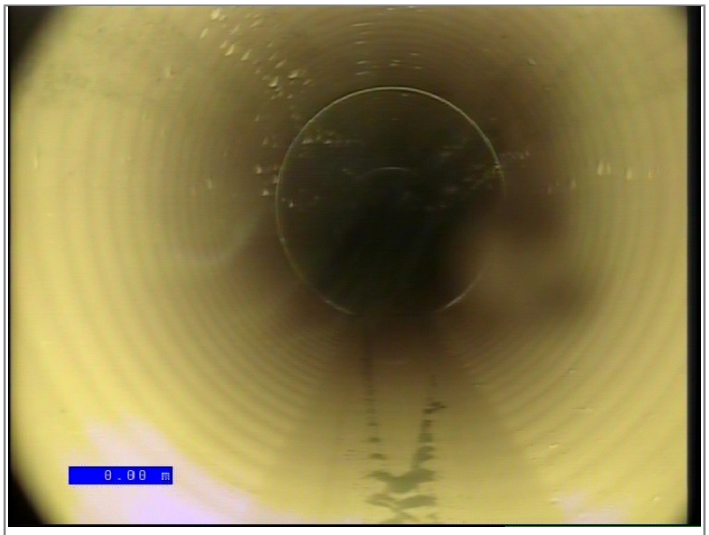
View via iTouch Live | Download

Start Node Ref:F7 | I/L : metres

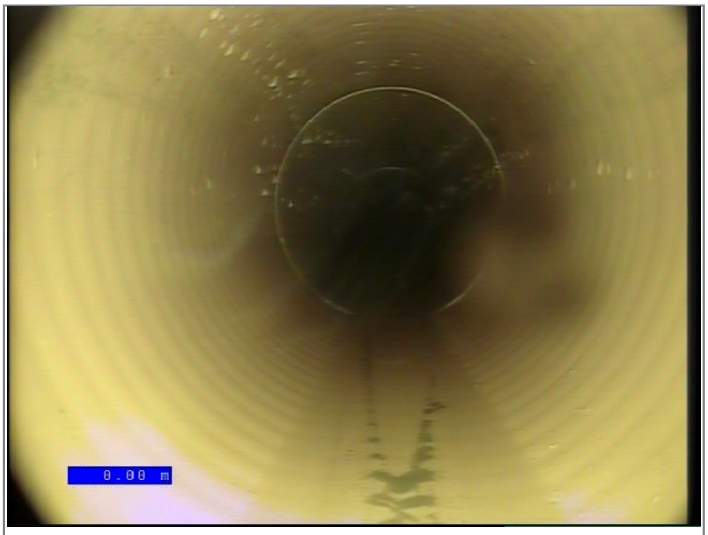
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F7	11024430	Comment / 0
0.00	WL	Water level 5% height/diameter	11024431	Comment / 0
20.90	MHF	Finish node type, manhole, reference F6	11024432	Comment / 0

End Node Ref:F6 | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**



Start node type, manhole, reference F7



Water level 5% height/diameter

Finish node type, manhole, reference F6

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

CCTV Inspection Report

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DANNY	**BENNETT STREET, ARDWICK M12 5NE-MERGE**	**S29 X**	**23/12/2024**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**4YX4UA9K4R**	**13**

Road **BENNETT STREET, ARDWICK, MANCHESTER M12 5NE**
Place
Location

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **300mm**
Material **Polyvinyl chloride**
Category

Start Node **S30**
End Node **S29**
Total length **21.61 metres**

Scale **1:1.13**
Direction **Upstream**

View via iTouch Live | Download

Start Node Ref:S30 | I/L : metres

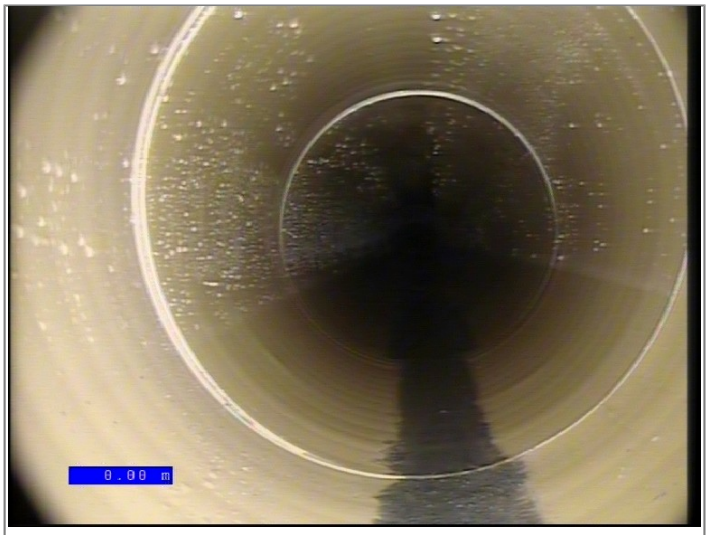
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S30	11024433	Comment / 0
0.00	WL	Water level 5% height/diameter	11024434	Comment / 0
6.28	JN	Junction at 2 o'clock, diameter 150mm	11024435	Comment / 0
7.12	JN	Junction at 11 o'clock, diameter 150mm	11024436	Comment / 0
21.61	MHF	Finish node type, manhole, reference S29	11024437	Comment / 0

End Node Ref:S29 | I/L : metres

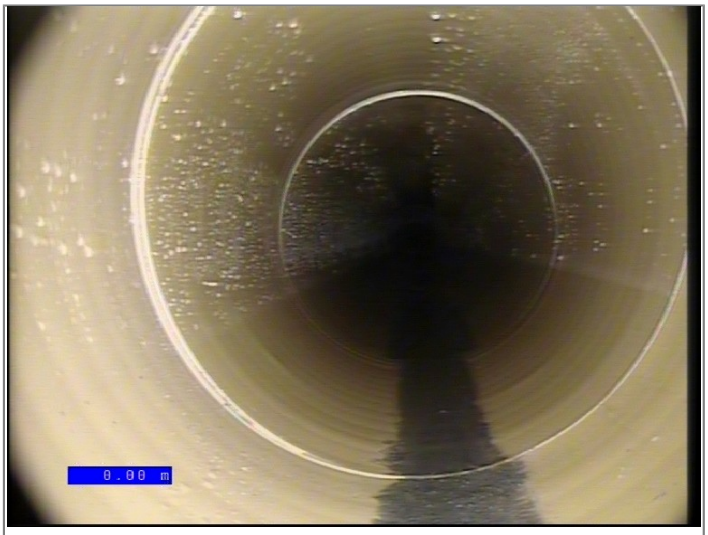
Sewer Drainage Specialist Ltd
112 Urmston Lane
Stretford
Greater Manchester
M32 9BQ

CCTV Inspection Photos

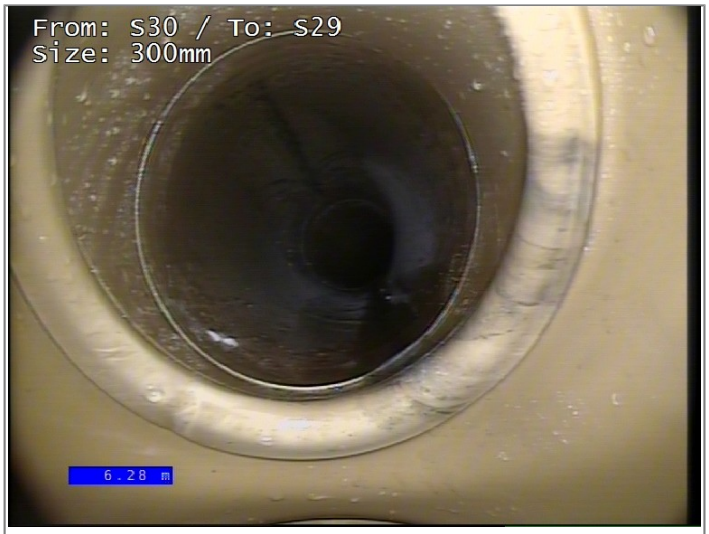
Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**



Start node type, manhole, reference S30



Water level 5% height/diameter



Junction at 2 o'clock, diameter 150mm

Junction at 11 o'clock, diameter 150mm

Finish node type, manhole, reference S29

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

CCTV Inspection Report

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DANNY	**BENNETT STREET, ARDWICK M12 5NE-MERGE**	**S28 X**	**23/12/2024**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**4YX4UA9K4R**	**14**

Road **BENNETT STREET, ARDWICK, MANCHESTER M12 5NE**
Place
Location

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **300mm**
Material **Polyvinyl chloride**
Category

Start Node **S29**
End Node **S28**
Total length **40.78 metres**

Scale **1:2.14**
Direction **Upstream**

View via iTouch Live | Download

Start Node Ref:S29 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S29	11024438	Comment / 0
0.00	WL	Water level 5% height/diameter	11024439	Comment / 0
3.18	JN	Junction at 10 o'clock, diameter 150mm	11024440	Comment / 0
4.00	JN	Junction at 10 o'clock, diameter 150mm	11024441	Comment / 0
4.57	JN	Junction at 2 o'clock, diameter 150mm	11024442	Comment / 0
5.22	JN	Junction at 2 o'clock, diameter 150mm	11024443	Comment / 0
27.10	JN	Junction at 2 o'clock, diameter 150mm	11024444	Comment / 0
29.24	JN	Junction at 9 o'clock, diameter 150mm	11024445	Comment / 0
39.09	JN	Junction at 10 o'clock, diameter 150mm	11024447	Comment / 0
39.35	JN	Junction at 2 o'clock, diameter 150mm	11024446	Comment / 0
40.78	MHF	Finish node type, manhole, reference S28	11024448	Comment / 0

End Node Ref:S28 | I/L : metres

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

CCTV Inspection Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**

Start node type, manhole, reference S29

Water level 5% height/diameter

Junction at 10 o'clock, diameter 150mm

Junction at 10 o'clock, diameter 150mm

Junction at 2 o'clock, diameter 150mm

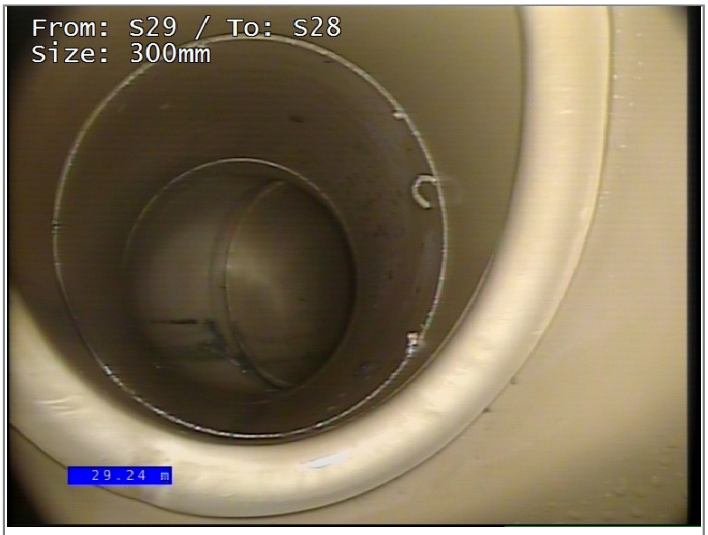
Junction at 2 o'clock, diameter 150mm

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

CCTV Inspection Photos

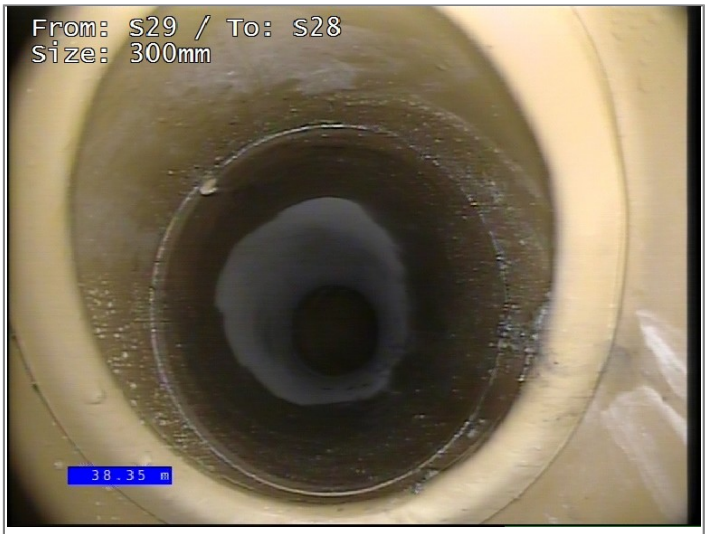
Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**

Junction at 2 o'clock, diameter 150mm



Junction at 9 o'clock, diameter 150mm

Junction at 10 o'clock, diameter 150mm



Junction at 2 o'clock, diameter 150mm

Finish node type, manhole, reference S28

SDS Ltd
DRAINAGE SPECIALIST

CCTV Inspection Report

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

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DANNY	**BENNETT STREET, ARDWICK M12 5NE-MERGE**	**S30 X**	**23/12/2024**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**4YX4UA9K4R**	**15**

Road **BENNETT STREET, ARDWICK, MANCHESTER M12 5NE**
Place
Location

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **300mm**
Material **Polyvinyl chloride**
Category

Start Node **S30**
End Node **SHB3**
Total length **2.67 metres**

Scale **1:0.14**
Direction **Downstream**

View via iTouch Live | Download

Start Node Ref:S30 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S30	11024449	Comment / 0
0.00	WL	Water level 5% height/diameter	11024450	Comment / 0
2.67	MHF	Finish node type, manhole, reference SHB3	11024451	Comment / 0

End Node Ref:SHB3 | I/L : metres

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

CCTV Inspection Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**

Start node type, manhole, reference S30

Water level 5% height/diameter

Finish node type, manhole, reference SHB3

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

CCTV Inspection Report

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DANNY	**BENNETT STREET, ARDWICK M12 5NE-MERGE**	**S40 X**	**23/12/2024**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**4YX4UA9K4R**	**16**

Road **BENNETT STREET, ARDWICK, MANCHESTER M12 5NE**
Place
Location

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **375mm**
Material **Concrete**
Category

Start Node **S42**
End Node **S40**
Total length **12.18 metres**

Scale **1:0.64**
Direction **Upstream**

View via iTouch Live | Download

Start Node Ref:S42 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S42	11024454	Comment / 0
0.00	WL	Water level 10% height/diameter	11024455	Comment / 0
1.88	CN	Connection other than junction at 1 o'clock, diameter 150mm	11024456	Comment / 0
1.88	CN	Connection other than junction at 11 o'clock, diameter 150mm	11024457	Comment / 0
2.39	CN	Connection other than junction at 1 o'clock, diameter 150mm	11024458	Comment / 0
2.39	CN	Connection other than junction at 11 o'clock, diameter 150mm	11024459	Comment / 0
12.18	MHF	Finish node type, manhole, reference S40	11024460	Comment / 0

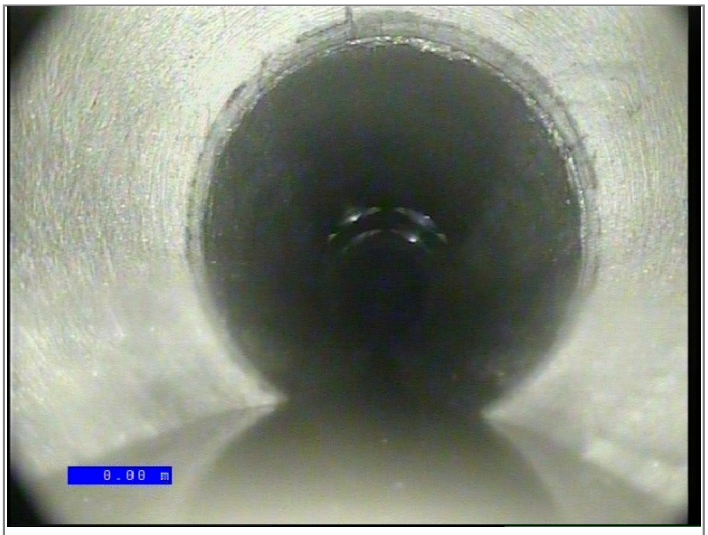
End Node Ref:S40 | I/L : metres

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

CCTV Inspection Photos

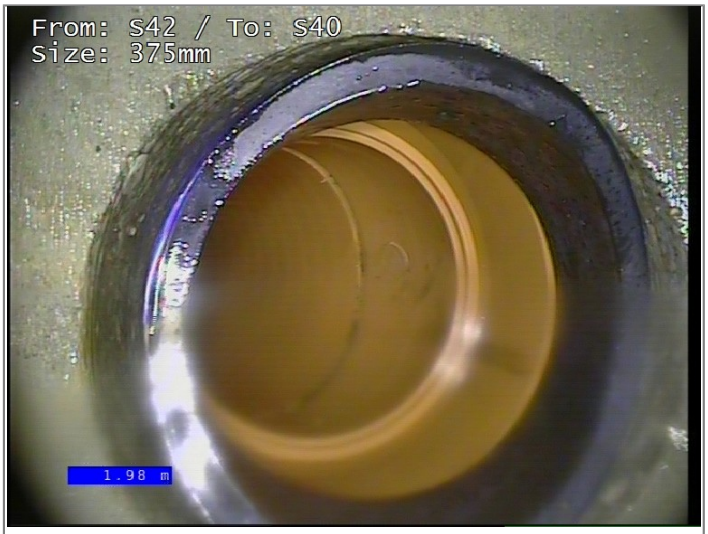
Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**

Start node type, manhole, reference S42

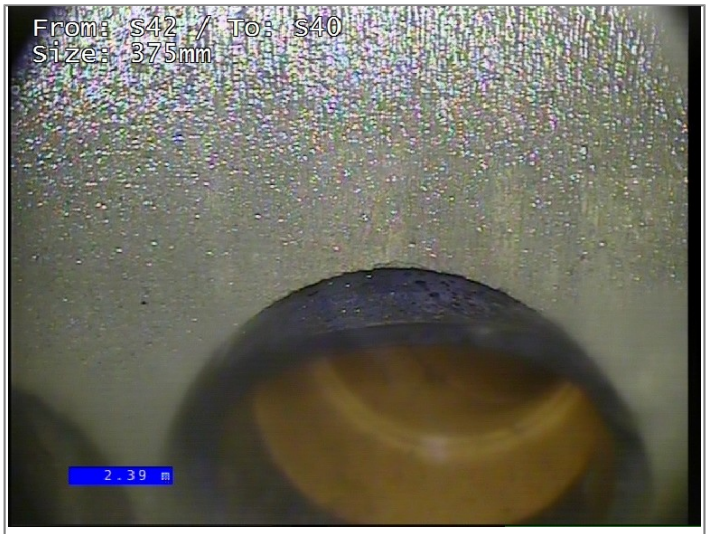


Water level 10% height/diameter

Connection other than junction at 1 o'clock, diameter 150mm



Connection other than junction at 11 o'clock, diameter 150mm



Connection other than junction at 1 o'clock, diameter 150mm

Connection other than junction at 11 o'clock, diameter 150mm

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

CCTV Inspection Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**

Finish node type, manhole, reference S40

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

CCTV Inspection Report

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DANNY	**BENNETT STREET, ARDWICK M12 5NE-MERGE**	**S41 X**	**23/12/2024**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**4YX4UA9K4R**	**17**

Road **BENNETT STREET, ARDWICK, MANCHESTER M12 5NE**
Place
Location

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **375mm**
Material **Concrete**
Category

Start Node **S42**
End Node **S41**
Total length **6.71 metres**

Scale **1:0.35**
Direction **Upstream**

View via iTouch Live | Download

Start Node Ref:S42 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S42	11024461	Comment / 0
0.00	WL	Water level 5% height/diameter	11024462	Comment / 0
6.71	MHF	Finish node type, manhole, reference S41	11024463	Comment / 0

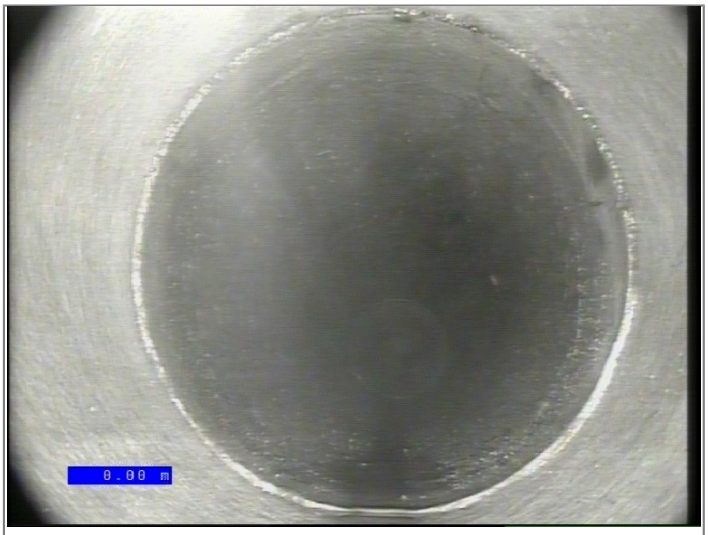
End Node Ref:S41 | I/L : metres

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

CCTV Inspection Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**

Start node type, manhole, reference S42



Water level 5% height/diameter

Finish node type, manhole, reference S41

SDS Ltd
DRAINAGE SPECIALIST

Structural Defects (SRM 4)

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

Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
1	F4 X	U	F	150	21/12/2024	Polyvinyl chloride	19.97 metres	19.97		0	1	0	0
2	F5 X	D	F	150	21/12/2024	Polyvinyl chloride	64.73 metres	64.73		0	1	0	0
3	F6 X	U	F	150	21/12/2024	Polyvinyl chloride	20.95 metres	20.95		0	1	0	0
4	F14 X	U	F	225	22/12/2024	Polyvinyl chloride	43.3 metres	43.3		0	1	0	0
5	F15 X	D	F	225	22/12/2024	Polyvinyl chloride	41.34 metres	41.34		0	1	0	0
6	F16 X	D	F	225	22/12/2024	Polyvinyl chloride	8.47 metres	8.47		0	1	0	0
7	F11 X	U	F	150	22/12/2024	Polyvinyl chloride	54.23 metres	54.23		0	1	0	0
8	F12 X	D	F	150	22/12/2024	Polyvinyl chloride	1774 metres	1774		0	1	0	0
9	F13 X	D	F	150	22/12/2024	Polyvinyl chloride	14.44 metres	14.44		0	1	0	0
10	F3 X	U	F	150	23/12/2024	Polyvinyl chloride	21.65 metres	21.65		0	1	0	0
11	F2 X	U	F	150	23/12/2024	Polyvinyl chloride	50.34 metres	50.34		0	1	0	0
12	F6 X	U	F	150	23/12/2024	Polyvinyl chloride	20.9 metres	20.9		0	1	0	0
13	S29 X	U	S	300	23/12/2024	Polyvinyl chloride	21.61 metres	21.61		0	1	0	0
14	S28 X	U	S	300	23/12/2024	Polyvinyl chloride	40.78 metres	40.78		0	1	0	0
15	S30 X	D	S	300	23/12/2024	Polyvinyl chloride	2.67 metres	2.67		0	1	0	0
16	S40 X	U	S	375	23/12/2024	Concrete	12.18 metres	12.18		0	1	0	0
17	S41 X	U	S	375	23/12/2024	Concrete	6.71 metres	6.71		0	1	0	0

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

Service Defects (SRM 4)

Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
1	F4 X	U	F	150	21/12/2024	Polyvinyl chloride	19.97 metres	19.97		0	1	0	0
2	F5 X	D	F	150	21/12/2024	Polyvinyl chloride	64.73 metres	64.73		0	1	0	0
3	F6 X	U	F	150	21/12/2024	Polyvinyl chloride	20.95 metres	20.95		0	1	0	0
4	F14 X	U	F	225	22/12/2024	Polyvinyl chloride	43.3 metres	43.3		10	5	0.23	10
5	F15 X	D	F	225	22/12/2024	Polyvinyl chloride	41.34 metres	41.34		0	1	0	0
6	F16 X	D	F	225	22/12/2024	Polyvinyl chloride	8.47 metres	8.47		0	1	0	0
7	F11 X	U	F	150	22/12/2024	Polyvinyl chloride	54.23 metres	54.23		0	1	0	0
8	F12 X	D	F	150	22/12/2024	Polyvinyl chloride	1774 metres	1774		0	1	0	0
9	F13 X	D	F	150	22/12/2024	Polyvinyl chloride	14.44 metres	14.44		0	1	0	0
10	F3 X	U	F	150	23/12/2024	Polyvinyl chloride	21.65 metres	21.65		0	1	0	0
11	F2 X	U	F	150	23/12/2024	Polyvinyl chloride	50.34 metres	50.34		0	1	0	0
12	F6 X	U	F	150	23/12/2024	Polyvinyl chloride	20.9 metres	20.9		0	1	0	0
13	S29 X	U	S	300	23/12/2024	Polyvinyl chloride	21.61 metres	21.61		0	1	0	0
14	S28 X	U	S	300	23/12/2024	Polyvinyl chloride	40.78 metres	40.78		0	1	0	0
15	S30 X	D	S	300	23/12/2024	Polyvinyl chloride	2.67 metres	2.67		0	1	0	0
16	S40 X	U	S	375	23/12/2024	Concrete	12.18 metres	12.18		0	1	0	0
17	S41 X	U	S	375	23/12/2024	Concrete	6.71 metres	6.71		0	1	0	0

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

Defect Grade Descriptions

Job Number	Surveyed by (Operator)	Base Unit	Date
BENNETT STREET, ARDWICK M12 5NE-MERGE	**DANNY**	**4YX4UA9K4R**	**21/12/2024**

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.