



LAYER SURVEYS LTD

SEE THE COMPLETE PICTURE



Job Number
LS5758

Surveyed by (Operator)
SAM/MATTY

Base Unit
S10E5CSLD1

Date
17/01/2025

Client Details:

Onward Homes
3rd/4th Floor
Watson Building
4 Renshaw Street,
Liverpool,
L1 2SA

Client Contact Name: Richard O'Neill
Client Contact Tel: 03005 550600

Site Details:

Pennington Street,
Levenshulme,
Manchester,
M12 4QJ

Site Contact Name: Toby Crayden
Site Contact Tel: 07736 058 013

Contractor Details:

Layer Surveys Ltd
Office 1-2, The Gatehouse
Lancashire Business Park
Leyland
PR26 6TY

Office Contact Number: 01772 611634

Purpose of Survey:



Job Number LS5758	Surveyed by (Operator) SAM/MATTY	Base Unit S10E5CSLD1	Date 17/01/2025
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Surveyed by (Operator) SAM/MATTY	Job Number LS5758	Pipe Length Reference(PLR) 1701 X	Date 17/01/2025	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 3/2	Base Unit S1OE5CSLD1	Section Number 1

Road **Pennington Street,**
Place **Levenshulme,**
Location **Manchester,**

Division
District
Location Details

Purpose
Duty **Combined**
Catchment

Shape/Size **225mm**
Material **Vitrified clay**
Category

Start Node **1702**
End Node **1701**
Total length **57.05 metres**

Scale **1:2.99**
Direction **Upstream**

Start Node Ref:1702 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference 1702	11115640	Comment / 0
0.00	WL	Water level 5% height/diameter	11115641	Comment / 0
0.00	DEZJ	Other attached deposits from 7 to 11 o'clock 10% cross-sectional area loss - Remark CONCRETE, at joint	11115649	Service / 3
5.40	OJM	Open joint medium	11115642	Structural / 1
6.61	JN	Junction at 3 o'clock, diameter 100mm	11115643	Comment / 0
7.52	SS	Spalling from 12 to 2 o'clock	11115645	Structural / 2
10.41	JN	Junction at 3 o'clock, diameter 100mm	11115646	Comment / 0
12.10	JDM	Joint displaced medium	11115648	Structural / 1
21.31	JDM	Joint displaced medium	11115650	Structural / 1
21.31	JN	Junction at 10 o'clock, diameter 100mm	11115651	Comment / 0
21.64	LR	Line of drain/sewer deviates right	11115656	Comment / 0
21.65	OJL	Open joint large	11115652	Structural / 1
21.65	LR	Line of drain/sewer deviates right	11115653	Comment / 0
23.63	JN	Junction at 9 o'clock, diameter 100mm	11115658	Comment / 0
23.84	JN	Junction at 9 o'clock, diameter 100mm	11115654	Comment / 0
24.84	JN	Junction at 9 o'clock, diameter 100mm	11115660	Comment / 0
24.85	JN	Junction at 3 o'clock, diameter 100mm	11115662	Comment / 0
26.91	SS	Spalling at 1 o'clock	11115663	Structural / 2
27.93	JN	Junction at 3 o'clock, diameter 100mm	11115664	Comment / 0
30.47	JN	Junction at 9 o'clock, diameter 100mm	11115665	Comment / 0
31.18	JN	Junction at 3 o'clock, diameter 100mm	11115666	Comment / 0
31.98	JN	Junction at 9 o'clock, diameter 100mm	11115667	Comment / 0
33.48	JN	Junction at 3 o'clock, diameter 100mm	11115669	Comment / 0
38.42	JN	Junction at 9 o'clock, diameter 100mm	11115671	Comment / 0
39.48	JN	Junction at 3 o'clock, diameter 100mm	11115672	Comment / 0
40.85	JN	Junction at 9 o'clock, diameter 100mm	11115673	Comment / 0
41.37	JN	Junction at 3 o'clock, diameter 100mm	11115674	Comment / 0
45.51	OJM	Open joint medium	11115677	Structural / 1
45.69	JN	Junction at 3 o'clock, diameter 100mm	11115678	Comment / 0
46.05	JN	Junction at 9 o'clock, diameter 100mm	11115676	Comment / 0
48.02	JN	Junction at 9 o'clock, diameter 100mm	11115680	Comment / 0
48.59	JN	Junction at 3 o'clock, diameter 100mm	11115682	Comment / 0
49.77	JN	Junction at 9 o'clock, diameter 100mm	11115684	Comment / 0
50.49	JN	Junction at 3 o'clock, diameter 100mm	11115685	Comment / 0
56.34	JN	Junction at 3 o'clock, diameter 100mm	11115687	Comment / 0
57.05	JN	Junction at 9 o'clock, diameter 100mm	11115689	Comment / 0
57.05	BRF	Finish node type, major connection without manhole, reference OUT OF SCOPE	11115690	Comment / 0

End Node Ref:1701 | I/L : metres

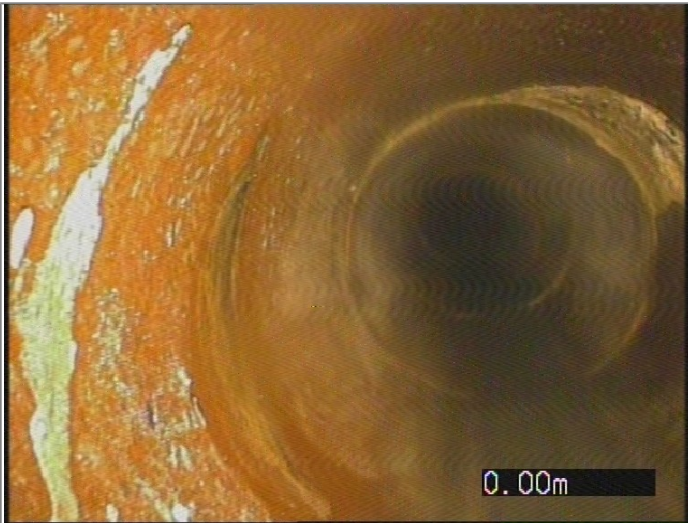


Job Number
LS5758

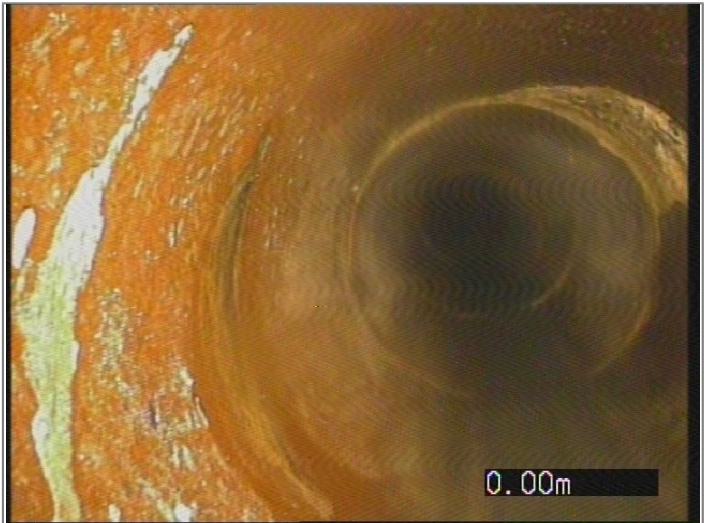
Surveyed by (Operator)
SAM/MATTY

Base Unit
S10E5CSLD1

Date
17/01/2025



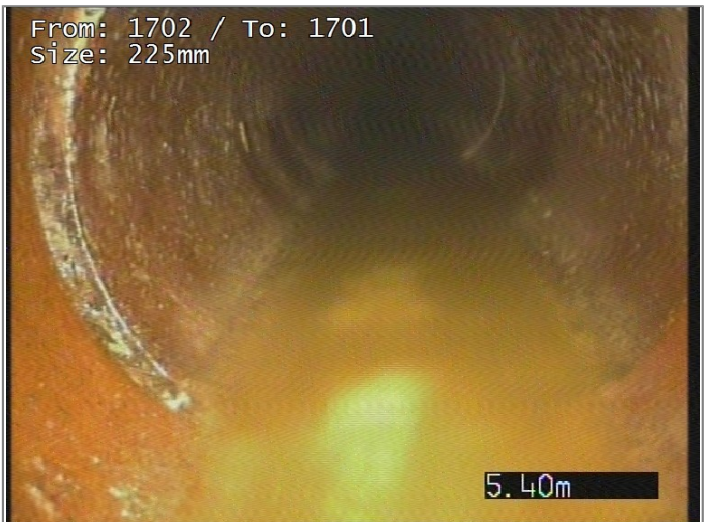
Start node type, manhole, reference 1702



Water level 5% height/diameter



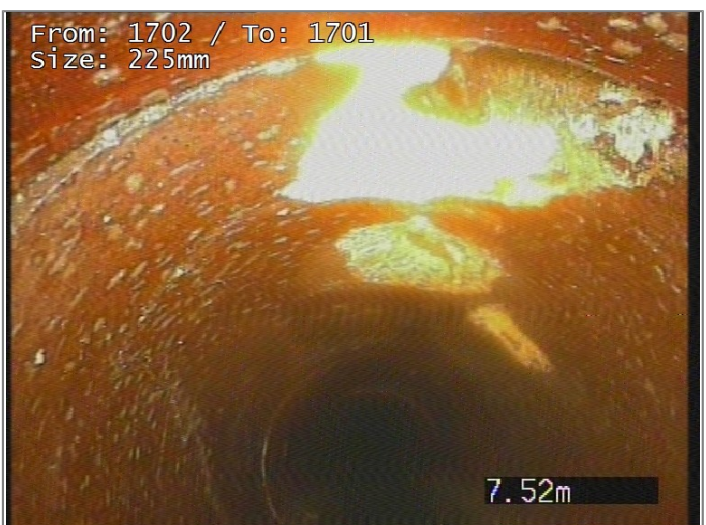
Other attached deposits from 7 to 11 o'clock 10% cross-sectional area loss - Remark CONCRETE, at joint



Open joint medium

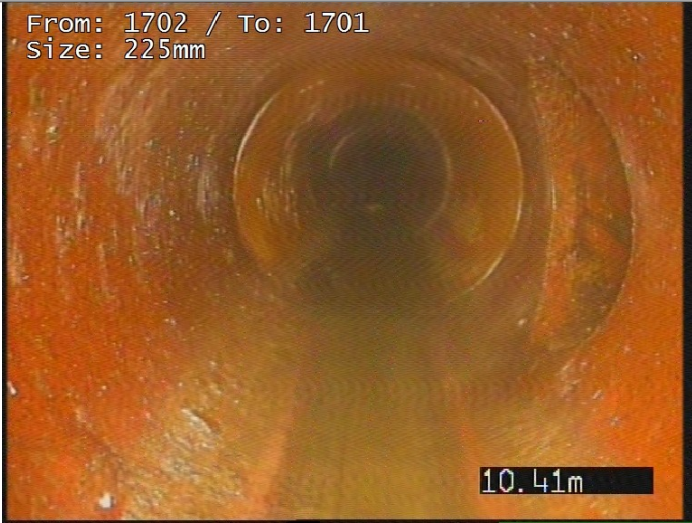
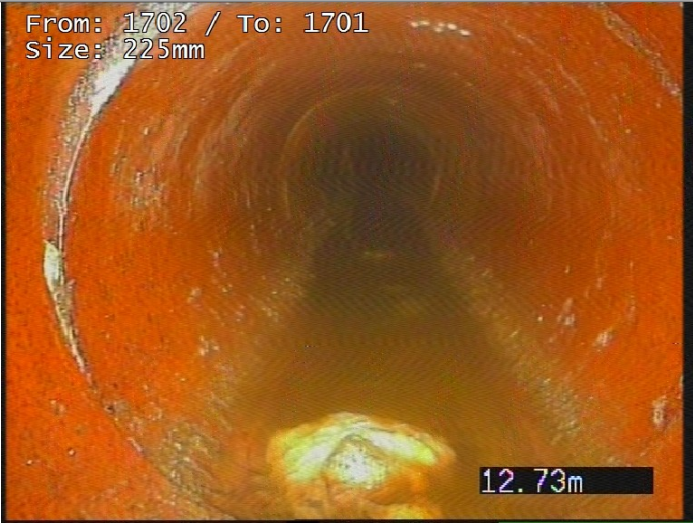
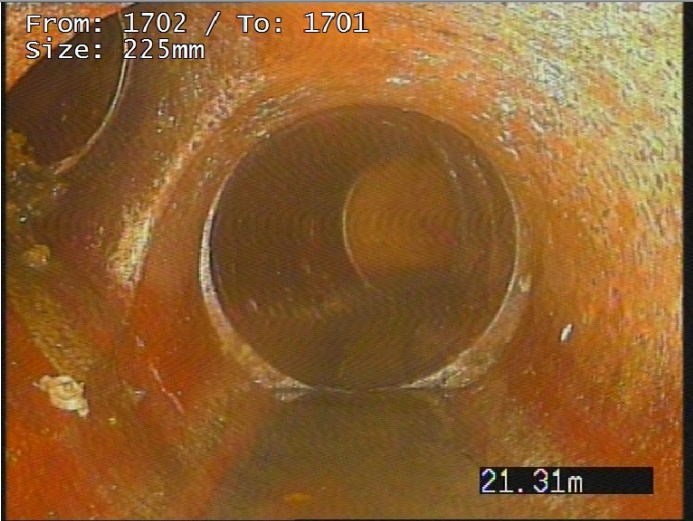
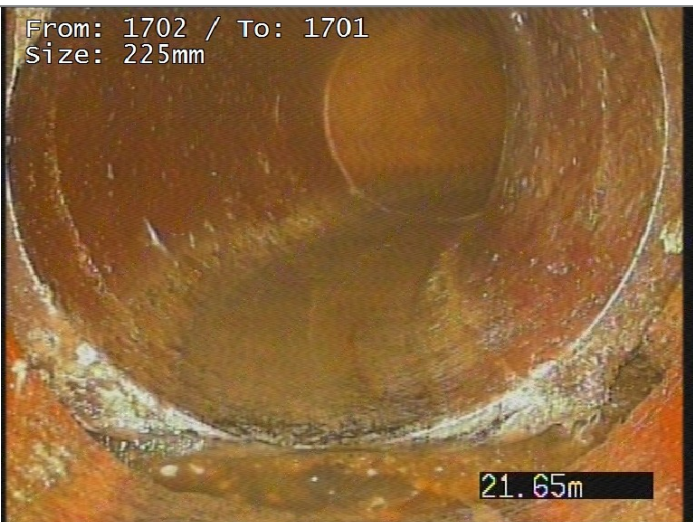


Junction at 3 o'clock, diameter 100mm

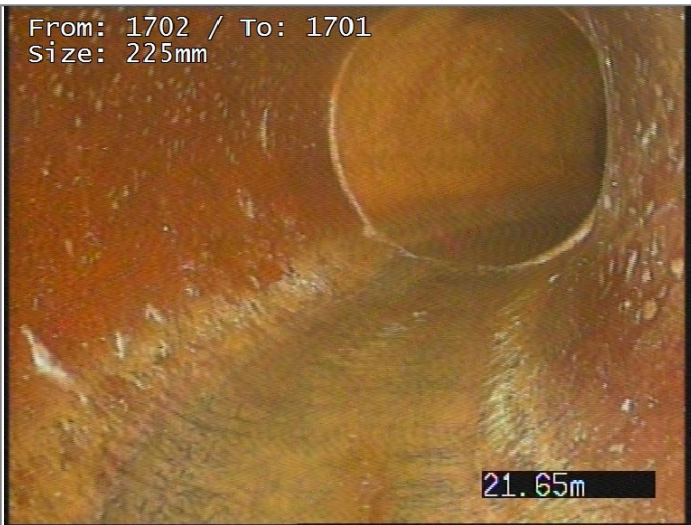
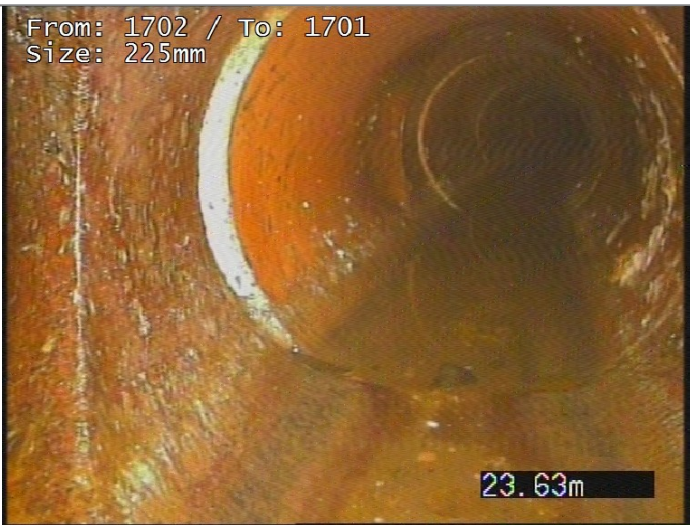


Spalling from 12 to 2 o'clock

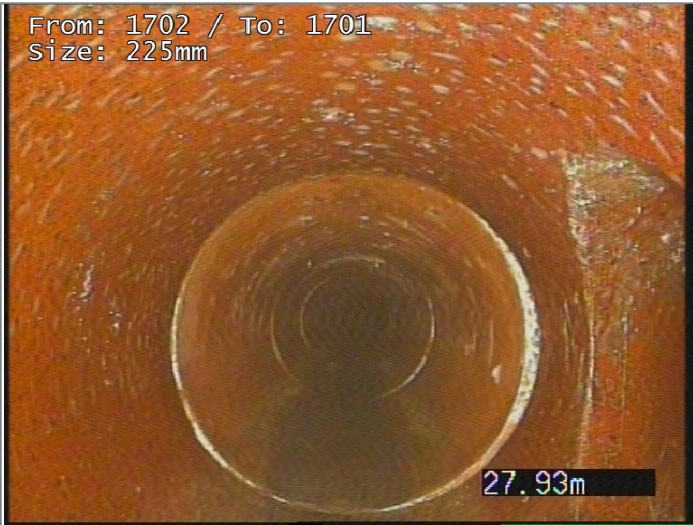


Job Number LS5758	Surveyed by (Operator) SAM/MATTY	Base Unit S10E5CSLD1	Date 17/01/2025
From: 1702 / To: 1701 Size: 225mm  10.41m Junction at 3 o'clock, diameter 100mm			
From: 1702 / To: 1701 Size: 225mm  12.73m Joint displaced medium			
From: 1702 / To: 1701 Size: 225mm  21.45m Joint displaced medium			
From: 1702 / To: 1701 Size: 225mm  21.31m Junction at 10 o'clock, diameter 100mm			
From: 1702 / To: 1701 Size: 225mm  23.63m Line of drain/sewer deviates right			
From: 1702 / To: 1701 Size: 225mm  21.65m Open joint large			

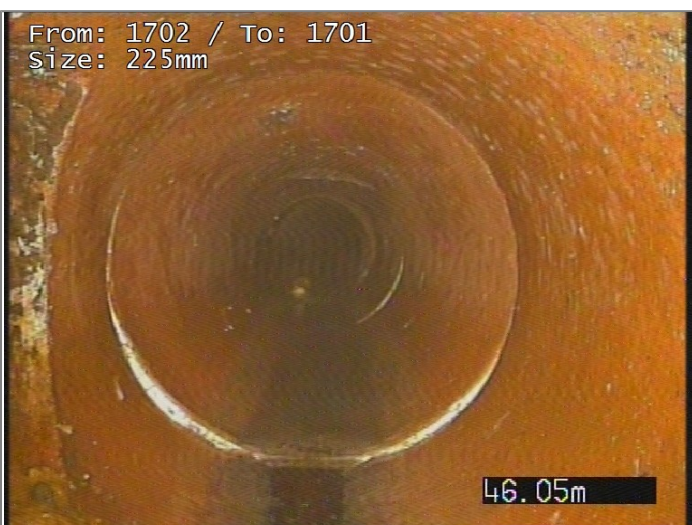


Job Number LS5758	Surveyed by (Operator) SAM/MATTY	Base Unit S10E5CSLD1	Date 17/01/2025
From: 1702 / To: 1701 Size: 225mm  21.65m Line of drain/sewer deviates right	From: 1702 / To: 1701 Size: 225mm  23.63m Junction at 9 o'clock, diameter 100mm		
From: 1702 / To: 1701 Size: 225mm  23.84m Junction at 9 o'clock, diameter 100mm	From: 1702 / To: 1701 Size: 225mm  24.80m Junction at 9 o'clock, diameter 100mm		
From: 1702 / To: 1701 Size: 225mm  24.85m Junction at 3 o'clock, diameter 100mm	From: 1702 / To: 1701 Size: 225mm  27.37m Spalling at 1 o'clock		



Job Number LS5758	Surveyed by (Operator) SAM/MATTY	Base Unit S10E5CSLD1	Date 17/01/2025
From: 1702 / To: 1701 Size: 225mm  Junction at 3 o'clock, diameter 100mm	From: 1702 / To: 1701 Size: 225mm  Junction at 9 o'clock, diameter 100mm	From: 1702 / To: 1701 Size: 225mm  Junction at 3 o'clock, diameter 100mm	From: 1702 / To: 1701 Size: 225mm  Junction at 9 o'clock, diameter 100mm
From: 1702 / To: 1701 Size: 225mm  Junction at 3 o'clock, diameter 100mm	From: 1702 / To: 1701 Size: 225mm  Junction at 9 o'clock, diameter 100mm		



Job Number LS5758	Surveyed by (Operator) SAM/MATTY	Base Unit S10E5CSLD1	Date 17/01/2025
From: 1702 / To: 1701 Size: 225mm  Junction at 3 o'clock, diameter 100mm From: 1702 / To: 1701 Size: 225mm  Junction at 9 o'clock, diameter 100mm			
From: 1702 / To: 1701 Size: 225mm  Junction at 3 o'clock, diameter 100mm From: 1702 / To: 1701 Size: 225mm  Open joint medium			
From: 1702 / To: 1701 Size: 225mm  Junction at 3 o'clock, diameter 100mm From: 1702 / To: 1701 Size: 225mm  Junction at 9 o'clock, diameter 100mm			

Job Number LS5758	Surveyed by (Operator) SAM/MATTY	Base Unit S10E5CSLD1	Date 17/01/2025
From: 1702 / To: 1701 Size: 225mm  48.02m Junction at 9 o'clock, diameter 100mm		From: 1702 / To: 1701 Size: 225mm  48.59m Junction at 3 o'clock, diameter 100mm	
From: 1702 / To: 1701 Size: 225mm  49.73m Junction at 9 o'clock, diameter 100mm		From: 1702 / To: 1701 Size: 225mm  50.52m Junction at 3 o'clock, diameter 100mm	
From: 1702 / To: 1701 Size: 225mm  56.29m Junction at 3 o'clock, diameter 100mm		From: 1702 / To: 1701 Size: 225mm  57.05m Junction at 9 o'clock, diameter 100mm	



Job Number
LS5758

Surveyed by (Operator)
SAM/MATTY

Base Unit
S10E5CSLD1

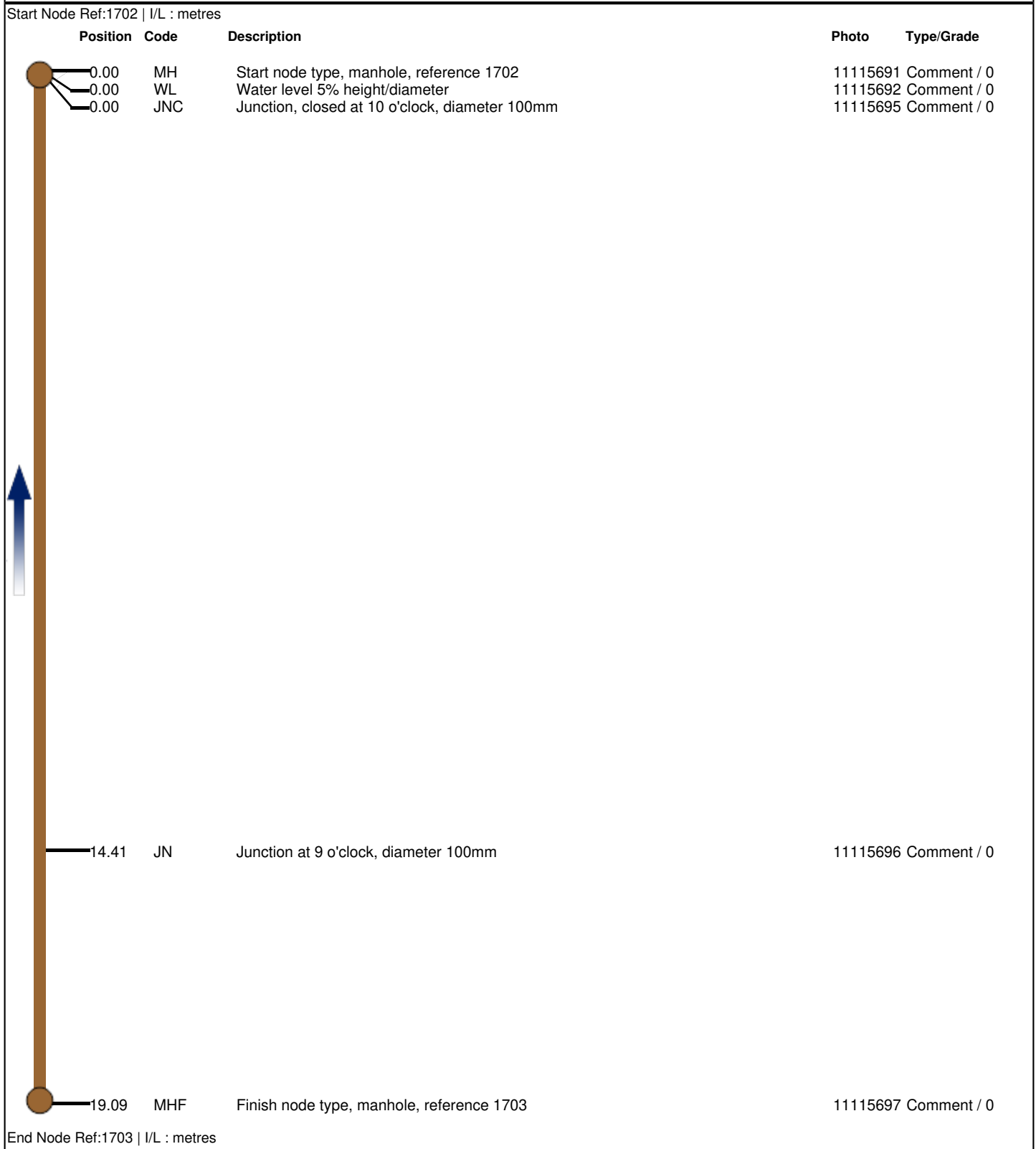
Date
17/01/2025



Finish node type, major connection without manhole, reference OUT OF SCOPE



Surveyed by (Operator) SAM/MATTY	Job Number LS5758	Pipe Length Reference(PLR) 1703	Date 17/01/2025	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit S10E5CSLD1	Section Number 2
Road Pennington Street, Place Levenshulme, Location Manchester,		Division District Location Details		
Purpose Duty Combined Catchment	Shape/Size 300mm Material Vitrified clay Category		Start Node 1702 End Node 1703 Total length 19.09 metres	
Scale 1:1.00 Direction Upstream				





Job Number
LS5758

Surveyed by (Operator)
SAM/MATTY

Base Unit
S10E5CSLD1

Date
17/01/2025



Start node type, manhole, reference 1702



Water level 5% height/diameter



Junction, closed at 10 o'clock, diameter 100mm



Junction at 9 o'clock, diameter 100mm



Finish node type, manhole, reference 1703



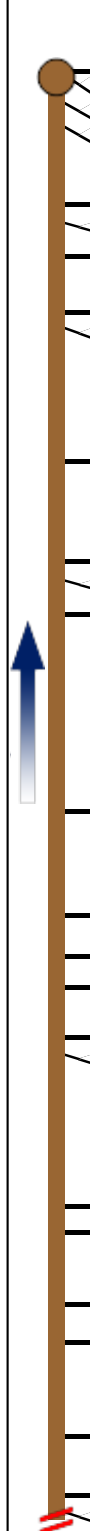
Surveyed by (Operator) SAM/MATTY	Job Number LS5758	Pipe Length Reference(PLR) US.A	Date 17/01/2025	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 4/2	Base Unit S10E5CSLD1	Section Number 3

Road Pennington Street, Place Levenshulme, Location Manchester,	Division District Location Details
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Purpose Duty Combined Catchment	Shape/Size 300mm Material Vitrified clay Category	Start Node 1703 End Node US.A Total length 34.53 metres
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Scale 1:1.81 Direction Upstream
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Start Node Ref:1703 | I/L : metres

Position	Code	Description	Photo	Type/Grade
	0.00	MH	Start node type, manhole, reference 1703	11115698 Comment / 0
	0.00	WL	Water level 5% height/diameter	11115699 Comment / 0
	0.70	JN	Junction at 3 o'clock, diameter 100mm	11115702 Comment / 0
	1.27	SS	Spalling at 12 o'clock	11115703 Structural / 2
	3.19	JN	Junction at 9 o'clock, diameter 100mm	11115704 Comment / 0
	3.64	JN	Junction at 3 o'clock, diameter 100mm	11115705 Comment / 0
	4.43	JN	Junction at 9 o'clock, diameter 100mm	11115706 Comment / 0
	5.78	JN	Junction at 9 o'clock, diameter 100mm	11115708 Comment / 0
	6.14	JN	Junction at 3 o'clock, diameter 100mm	11115710 Comment / 0
	9.36	JN	Junction at 3 o'clock, diameter 100mm	11115711 Comment / 0
	11.76	JNC	Junction, closed at 11 o'clock, diameter 100mm	11115712 Comment / 0
	12.21	JN	Junction at 3 o'clock, diameter 100mm	11115713 Comment / 0
	13.01	JN	Junction at 10 o'clock, diameter 100mm	11115715 Comment / 0
	17.74	JN	Junction at 2 o'clock, diameter 100mm	11115716 Comment / 0
	20.24	JN	Junction at 10 o'clock, diameter 100mm	11115717 Comment / 0
	21.21	JN	Junction at 2 o'clock, diameter 100mm	11115718 Comment / 0
	21.96	JN	Junction at 10 o'clock, diameter 100mm	11115719 Comment / 0
	23.15	JN	Junction at 3 o'clock, diameter 100mm	11115720 Comment / 0
	23.57	JN	Junction at 9 o'clock, diameter 100mm	11115722 Comment / 0
	27.20	JN	Junction at 9 o'clock, diameter 100mm	11115723 Comment / 0
	27.84	JN	Junction at 9 o'clock, diameter 100mm	11115724 Comment / 0
	29.55	JN	Junction at 3 o'clock, diameter 100mm	11115726 Comment / 0
	30.47	JN	Junction at 9 o'clock, diameter 100mm	11115727 Comment / 0
	32.71	JN	Junction at 1 o'clock, diameter 100mm	11115728 Comment / 0
	34.13	DEC	Settled deposits hard or compacted 25% cross-sectional area loss	11115730 Service / 4
	34.53	SA	Survey abandoned - Remark: UNABLE TO PASS REQ CUTTING	11115731 Comment / 0

End Node Ref:US.A | I/L : metres



Job Number
LS5758

Surveyed by (Operator)
SAM/MATTY

Base Unit
S10E5CSLD1

Date
17/01/2025



Start node type, manhole, reference 1703



Water level 5% height/diameter



Junction at 3 o'clock, diameter 100mm



Spalling at 12 o'clock



Junction at 9 o'clock, diameter 100mm



Junction at 3 o'clock, diameter 100mm



Job Number LS5758	Surveyed by (Operator) SAM/MATTY	Base Unit S10E5CSLD1	Date 17/01/2025
From: 1703 / To: US.A Size: 225mm  4.42m Junction at 9 o'clock, diameter 100mm			
From: 1703 / To: US.A Size: 225mm  5.78m Junction at 9 o'clock, diameter 100mm			
From: 1703 / To: US.A Size: 225mm  6.14m Junction at 3 o'clock, diameter 100mm			
From: 1703 / To: US.A Size: 225mm  9.36m Junction at 3 o'clock, diameter 100mm			
From: 1703 / To: US.A Size: 225mm  11.77m Junction, closed at 11 o'clock, diameter 100mm			
From: 1703 / To: US.A Size: 225mm  12.21m Junction at 3 o'clock, diameter 100mm			



Job Number LS5758	Surveyed by (Operator) SAM/MATTY	Base Unit S10E5CSLD1	Date 17/01/2025
From: 1703 / To: US.A Size: 225mm  12.83m Junction at 10 o'clock, diameter 100mm		From: 1703 / To: US.A Size: 225mm  17.74m Junction at 2 o'clock, diameter 100mm	
From: 1703 / To: US.A Size: 225mm  20.24m Junction at 10 o'clock, diameter 100mm		From: 1703 / To: US.A Size: 225mm  21.22m Junction at 2 o'clock, diameter 100mm	
From: 1703 / To: US.A Size: 225mm  21.98m Junction at 10 o'clock, diameter 100mm		From: 1703 / To: US.A Size: 225mm  23.10m Junction at 3 o'clock, diameter 100mm	



Job Number LS5758	Surveyed by (Operator) SAM/MATTY	Base Unit S10E5CSLD1	Date 17/01/2025
From: 1703 / To: US.A Size: 225mm  23.57m Junction at 9 o'clock, diameter 100mm			
From: 1703 / To: US.A Size: 225mm  27.20m Junction at 9 o'clock, diameter 100mm			
From: 1703 / To: US.A Size: 225mm  27.84m Junction at 9 o'clock, diameter 100mm			
From: 1703 / To: US.A Size: 225mm  29.55m Junction at 3 o'clock, diameter 100mm			
From: 1703 / To: US.A Size: 225mm  30.47m Junction at 9 o'clock, diameter 100mm			
From: 1703 / To: US.A Size: 225mm  32.71m Junction at 1 o'clock, diameter 100mm			



Job Number LS5758	Surveyed by (Operator) SAM/MATTY	Base Unit S10E5CSLD1	Date 17/01/2025
From: 1703 / To: US.A Size: 225mm  Settled deposits hard or compacted 25% cross-sectional area loss From: 1703 / To: US.A Size: 225mm  Survey abandoned - Remark: UNABLE TO PASS REQ CUTTING			



Surveyed by (Operator) SAM/MATTY	Job Number LS5758	Pipe Length Reference(PLR) 1702 X	Date 17/01/2025	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 4/0	Base Unit S10E5CSLD1	Section Number 4
Road Pennington Street, Place Levenshulme, Location Manchester,		Division District Location Details		
Purpose Duty Combined Catchment	Shape/Size 300mm Material Vitrified clay Category		Start Node 2704 End Node 1702 Total length 7.25 metres	
Scale 1:0.38 Direction Upstream				

Start Node Ref:2704 I/L : metres				Photo	Type/Grade
Position	Code	Description			
	0.00	MH	Start node type, manhole, reference 2704	11115745	Comment / 0
	0.00	WL	Water level 25% height/diameter	11115746	Comment / 0
5.63	JNC	Junction, closed at 9 o'clock, diameter 150mm		11115748	Comment / 0
7.17	SA	Survey abandoned - Remark: UNABLE TO PASS		11115750	Comment / 0
7.25	DEC	Settled deposits hard or compacted 50% cross-sectional area loss		11115749	Service / 4
End Node Ref:1702 I/L : metres					

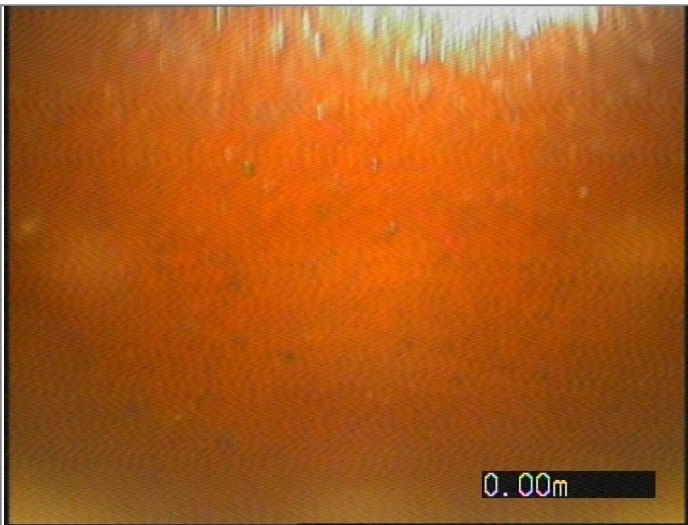


Job Number
LS5758

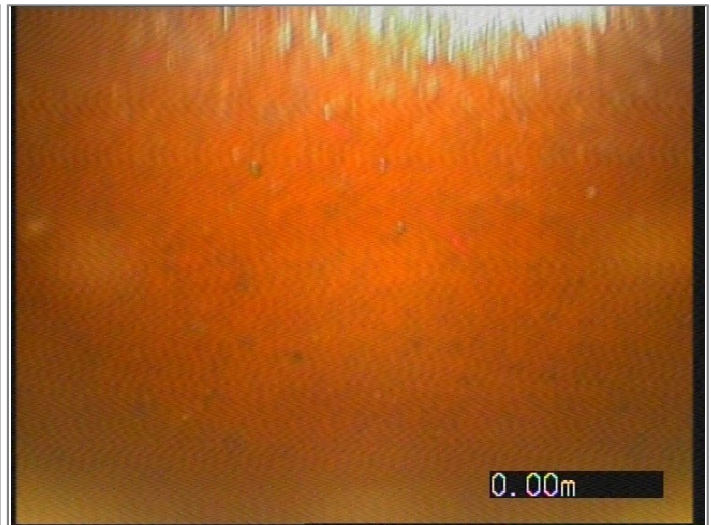
Surveyed by (Operator)
SAM/MATTY

Base Unit
S10E5CSLD1

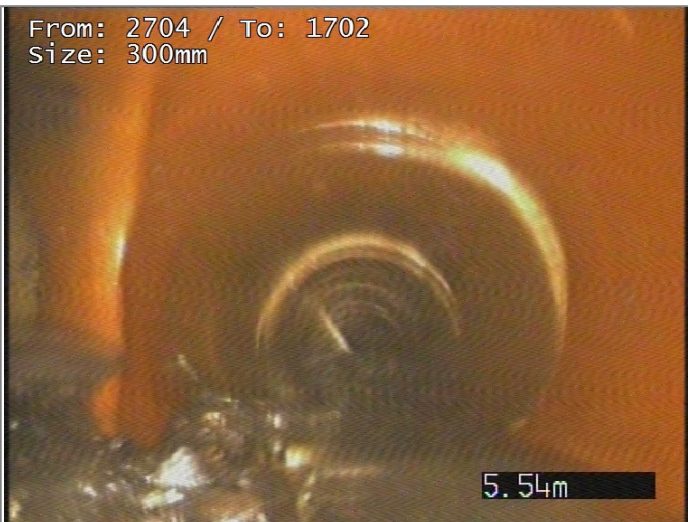
Date
17/01/2025



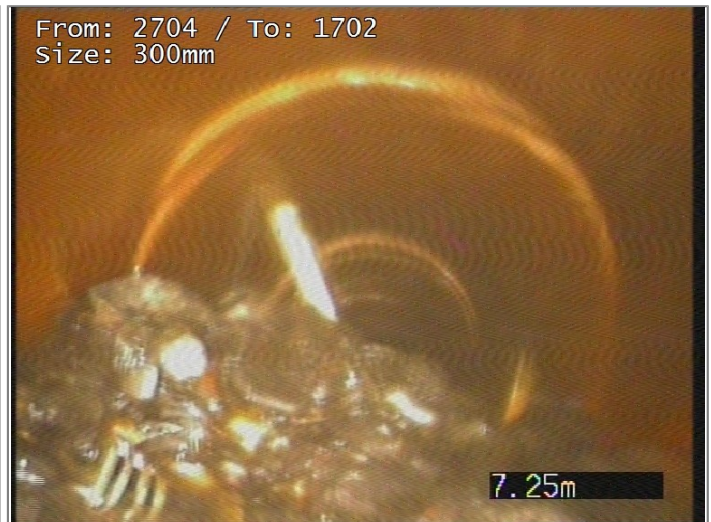
Start node type, manhole, reference 2704



Water level 25% height/diameter



Junction, closed at 9 o'clock, diameter 150mm



Survey abandoned - Remark: UNABLE TO PASS



Settled deposits hard or compacted 50% cross-sectional area loss



Surveyed by (Operator) SAM/MATTY	Job Number LS5758	Pipe Length Reference(PLR) 1702 X	Date 17/01/2025	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit S10E5CSLD1	Section Number 5
Road Pennington Street, Place Levenshulme, Location Manchester,		Division District Location Details		
Purpose Duty Combined Catchment	Shape/Size 300mm Material Vitrified clay Category		Start Node 1702 End Node 2704 Total length 3.33 metres	

Scale **1:0.17**
Direction **Downstream**

Start Node Ref:1702 | I/L : metres

Position	Code	Description	Photo	Type/Grade
	MH	Start node type, manhole, reference 1702	11115751	Comment / 0
0.00	WL	Water level 5% height/diameter	11115753	Comment / 0
0.00	JN	Junction at 9 o'clock, diameter 100mm	11115754	Comment / 0
3.04	JN	Junction at 12 o'clock, diameter 150mm	11115755	Comment / 0
3.33	SA	Survey abandoned - Remark: REQ FURTHER CLEANSE	11115756	Comment / 0

End Node Ref:2704 | I/L : metres



Job Number
LS5758

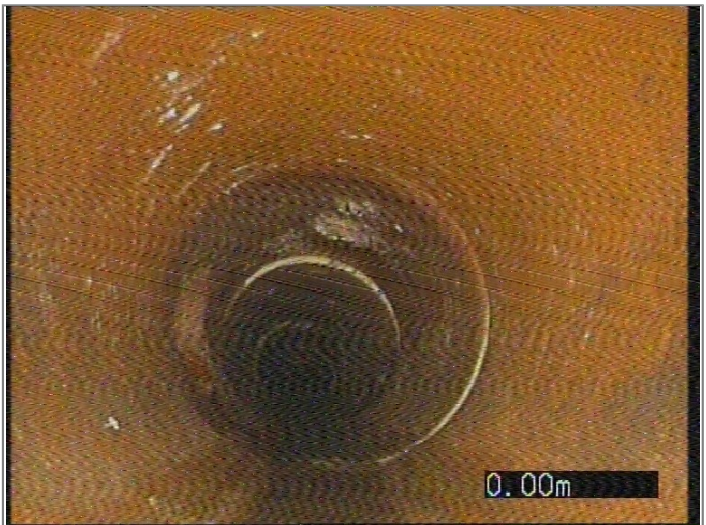
Surveyed by (Operator)
SAM/MATTY

Base Unit
S10E5CSLD1

Date
17/01/2025



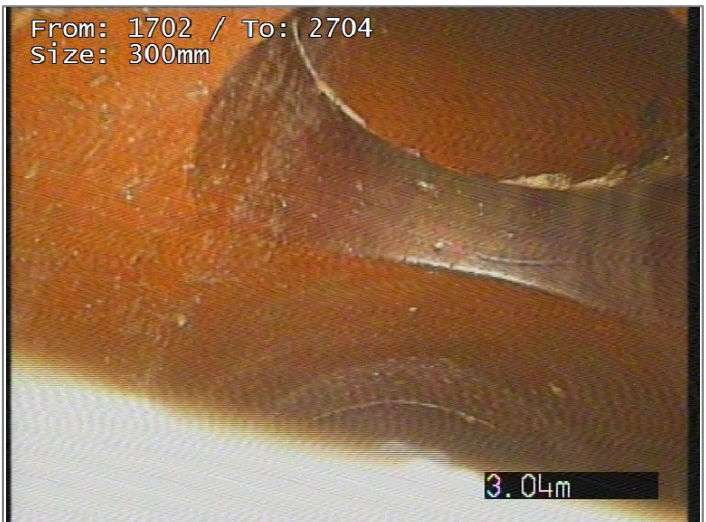
Start node type, manhole, reference 1702



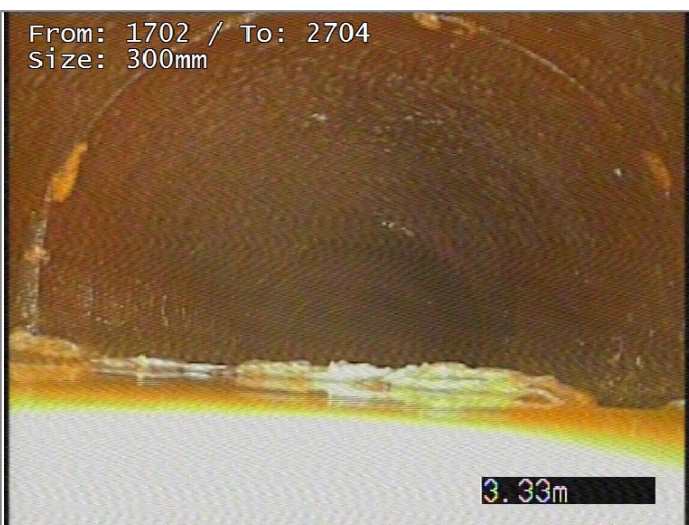
Water level 5% height/diameter



Junction at 9 o'clock, diameter 100mm



Junction at 12 o'clock, diameter 150mm



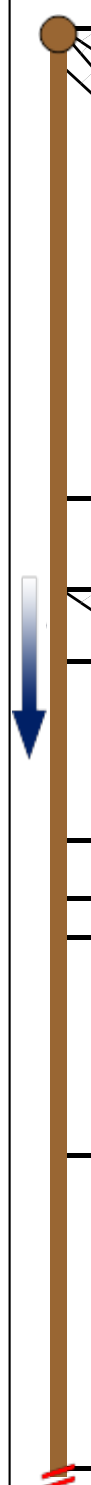
Survey abandoned - Remark: REQ FURTHER CLEANSE



Surveyed by (Operator) SAM/MATTY	Job Number LS5758	Pipe Length Reference(PLR) 2602 X	Date 17/01/2025	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/3	Base Unit S10E5CSLD1	Section Number 6
Road Pennington Street, Place Levenshulme, Location Manchester,		Division District Location Details		
Purpose Duty Combined Catchment	Shape/Size 300mm Material Vitrified clay Category		Start Node 2602 End Node 2601 Total length 32.63 metres	

Scale **1:1.71**
Direction **Downstream**

Start Node Ref:2602 | I/L : metres

Position	Code	Description	Photo	Type/Grade
	0.00	MH	Start node type, manhole, reference 2602	11115759 Comment / 0
	0.00	WL	Water level 5% height/diameter	11115760 Comment / 0
	0.00	JN	Junction at 12 o'clock, diameter 100mm	11115761 Comment / 0
	0.81	JN	Junction at 9 o'clock, diameter 150mm	11115762 Comment / 0
	10.64	FL (S01)	Fracture longitudinal at 12 o'clock, Start	11115763 Structural / 3
	12.71	FL	Fracture longitudinal at 8 o'clock	11115765 Structural / 3
	12.71	JN	Junction at 3 o'clock, diameter 150mm	11115766 Comment / 0
	14.35	FL (F01)	Fracture longitudinal at 12 o'clock, Finished	11115767 Structural / 3
	18.39	FL (S02)	Fracture longitudinal at 12 o'clock, Start	11115768 Structural / 3
	19.70	JN	Junction at 9 o'clock, diameter 150mm	11115769 Comment / 0
20.60	FL (F02)	Fracture longitudinal at 12 o'clock, Finished	11115770 Structural / 3	
25.54	CL	Crack longitudinal at 3 o'clock	11115772 Structural / 2	
32.63	SA	Survey abandoned - Remark: UNABLE TO PASS	11115773 Comment / 0	

End Node Ref:2601 | I/L : metres

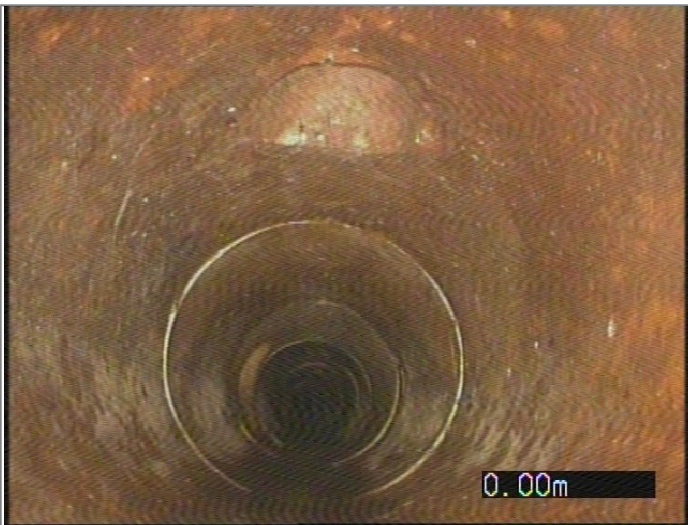


Job Number
LS5758

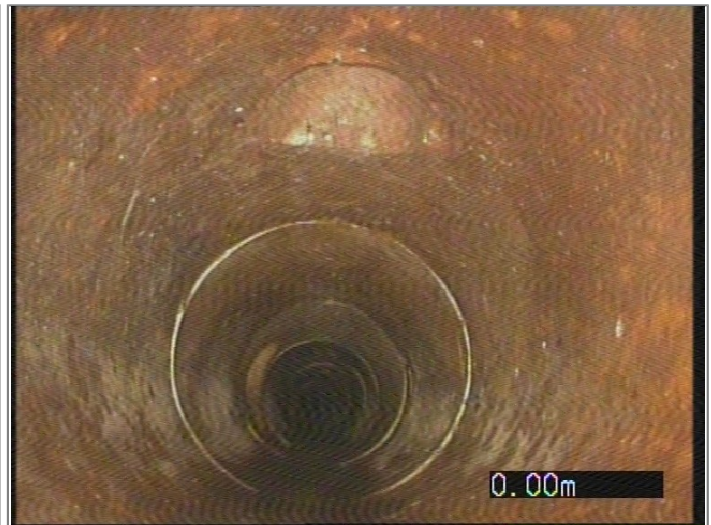
Surveyed by (Operator)
SAM/MATTY

Base Unit
S10E5CSLD1

Date
17/01/2025



Start node type, manhole, reference 2602



Water level 5% height/diameter



Junction at 12 o'clock, diameter 100mm



Junction at 9 o'clock, diameter 150mm

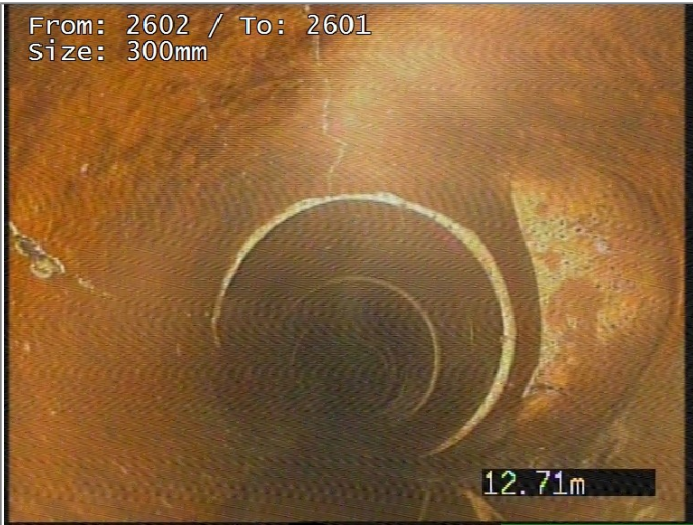
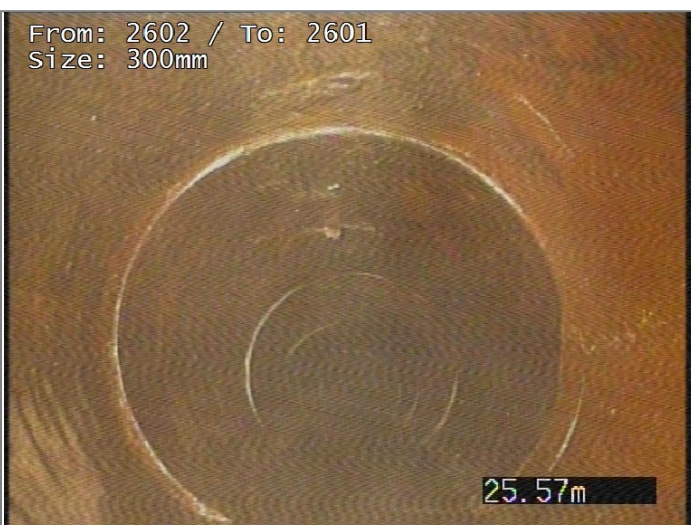


Fracture longitudinal at 12 o'clock, Start



Fracture longitudinal at 8 o'clock



Job Number LS5758	Surveyed by (Operator) SAM/MATTY	Base Unit S10E5CSLD1	Date 17/01/2025
From: 2602 / To: 2601 Size: 300mm 	From: 2602 / To: 2601 Size: 300mm 		
Junction at 3 o'clock, diameter 150mm	Fracture longitudinal at 12 o'clock, Finished		
From: 2602 / To: 2601 Size: 300mm 	From: 2602 / To: 2601 Size: 300mm 		
Fracture longitudinal at 12 o'clock, Start	Junction at 9 o'clock, diameter 150mm		
From: 2602 / To: 2601 Size: 300mm 	From: 2602 / To: 2601 Size: 300mm 		
Fracture longitudinal at 12 o'clock, Finished	Crack longitudinal at 3 o'clock		



Job Number
LS5758

Surveyed by (Operator)
SAM/MATTY

Base Unit
S10E5CSLD1

Date
17/01/2025

From: 2602 / To: 2601
Size: 300mm



Survey abandoned - Remark: UNABLE TO PASS



Surveyed by (Operator) SAM/MATTY	Job Number LS5758	Pipe Length Reference(PLR) 3602 X	Date 20/01/2025	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit S1OE5CSLD1	Section Number 7

Road Pennington Street, Place Levenshulme, Location Manchester,	Division District Location Details
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Purpose Duty Combined Catchment	Shape/Size 800mm Material Brick Category	Start Node 3602 End Node DS.X Total length 22.43 metres
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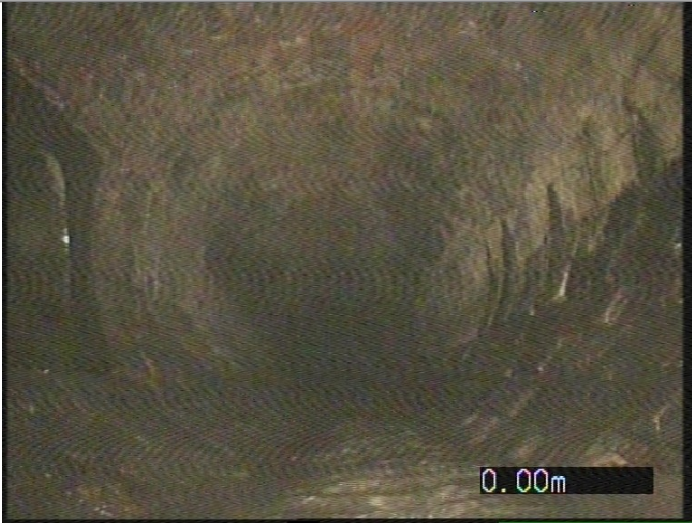
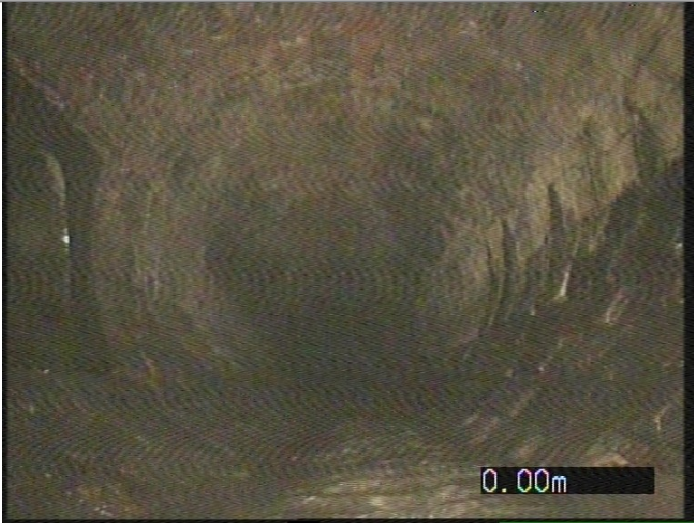
Scale 1:1.18 Direction Downstream
--

Start Node Ref:3602 | I/L : metres

Position	Code	Description	Photo	Type/Grade
	0.00	MH	Start node type, manhole, reference 3602	11115774 Comment / 0
	0.00	WL	Water level 5% height/diameter	11115776 Comment / 0
	0.00	JN	Junction at 9 o'clock, diameter 150mm	11115777 Comment / 0
	10.10	JN	Junction at 9 o'clock, diameter 150mm	11115779 Comment / 0
	12.34	CN	Connection other than junction at 3 o'clock, diameter 150mm	11115780 Comment / 0
	14.27	LL	Line of drain/sewer deviates left	11115781 Comment / 0
	22.43	MHF	Finish node type, manhole, reference DS.X	11115782 Comment / 0

End Node Ref:DS.X | I/L : metres



Job Number LS5758	Surveyed by (Operator) SAM/MATTY	Base Unit S10E5CSLD1	Date 17/01/2025
 0.00m			
Start node type, manhole, reference 3602			
 0.00m			
Water level 5% height/diameter			
From: 3602 / To: DS.X Size: 800mm  0.00m			
Junction at 9 o'clock, diameter 150mm			
From: 3602 / To: DS.X Size: 800mm  10.10m			
Junction at 9 o'clock, diameter 150mm			
From: 3602 / To: DS.X Size: 800mm  12.34m			
Connection other than junction at 3 o'clock, diameter 150mm			
From: 3602 / To: DS.X Size: 800mm  14.28m			
Line of drain/sewer deviates left			



Job Number
LS5758

Surveyed by (Operator)
SAM/MATTY

Base Unit
S10E5CSLD1

Date
17/01/2025

From: 3602 / To: DS.X
Size: 800mm



Finish node type, manhole, reference DS.X



Surveyed by (Operator) SAM/MATTY	Job Number LS5758	Pipe Length Reference(PLR) INT01 X	Date 20/01/2025	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 3/0	Base Unit S10E5CSLD1	Section Number 8

Road Pennington Street, Place Levenshulme, Location Manchester,	Division District Location Details
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Purpose Duty Combined Catchment	Shape/Size 800mm Material Brick Category	Start Node INT01 End Node DS.X Total length 19.28 metres
--	--	---

Scale 1:1.01 Direction Downstream
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Start Node Ref:INT01 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference INT01	11115785	Comment / 0
0.00	WL	Water level 5% height/diameter	11115786	Comment / 0
1.05	DEC	Settled deposits hard or compacted 15% cross-sectional area loss	11115787	Service / 3
19.28	SA	Survey abandoned - Remark: UNABLE TO PASS	11115793	Comment / 0

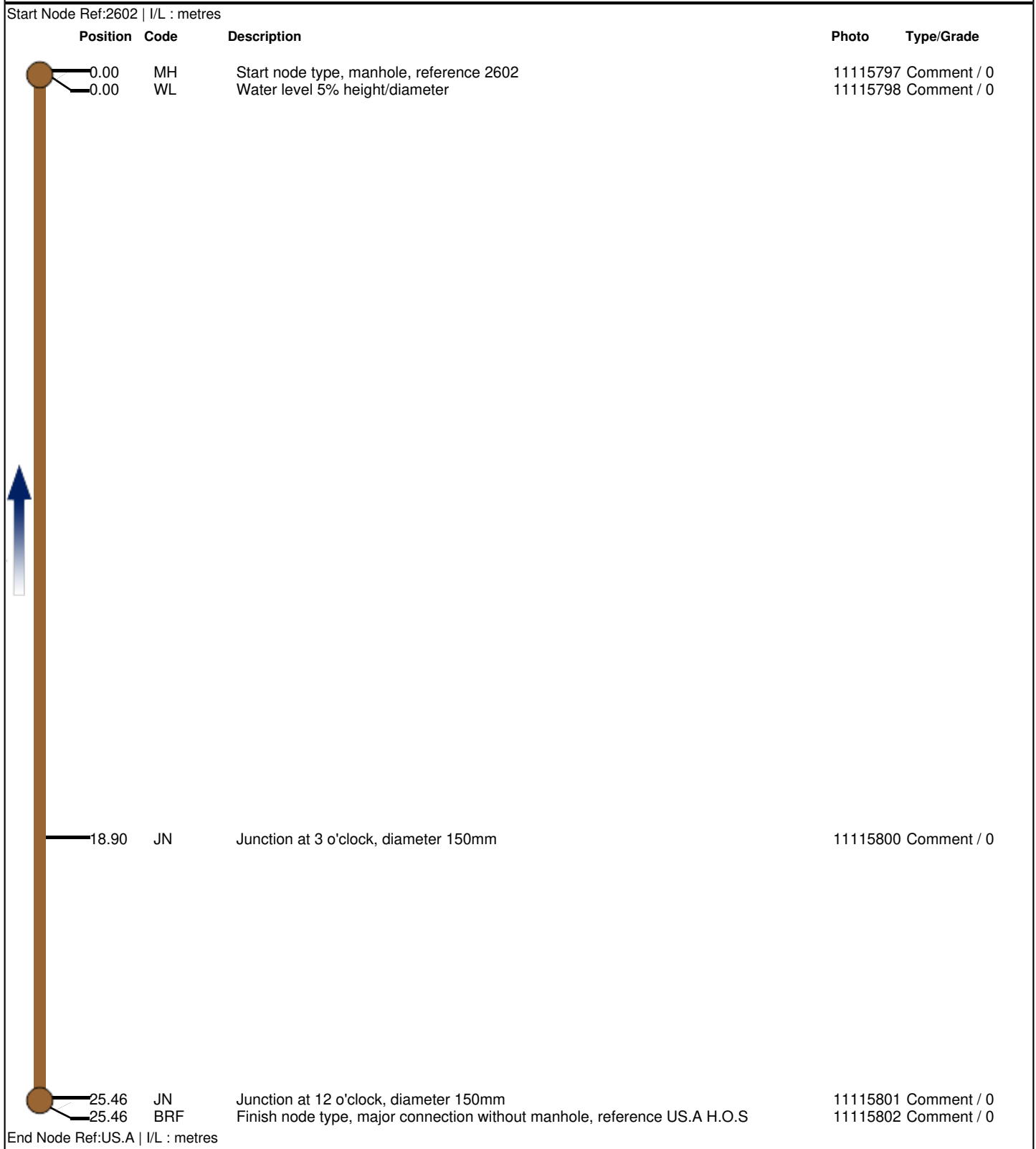
End Node Ref:DS.X | I/L : metres



Job Number LS5758	Surveyed by (Operator) SAM/MATTY	Base Unit S10E5CSLD1	Date 17/01/2025
			
Start node type, manhole, reference INT01			
			
Water level 5% height/diameter			
From: INT01 / To: DS.X Size: 800mm 			
Settled deposits hard or compacted 15% cross-sectional area loss			
From: INT01 / To: DS.X Size: 800mm 			
Survey abandoned - Remark: UNABLE TO PASS			



Surveyed by (Operator) SAM/MATTY	Job Number LS5758	Pipe Length Reference(PLR) US.A X	Date 20/01/2025	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit S10E5CSLD1	Section Number 9
Road Pennington Street, Place Levenshulme, Location Manchester,		Division District Location Details		
Purpose Duty Combined Catchment	Shape/Size 300mm Material Vitrified clay Category		Start Node 2602 End Node US.A Total length 25.46 metres	
Scale 1:1.34 Direction Upstream				



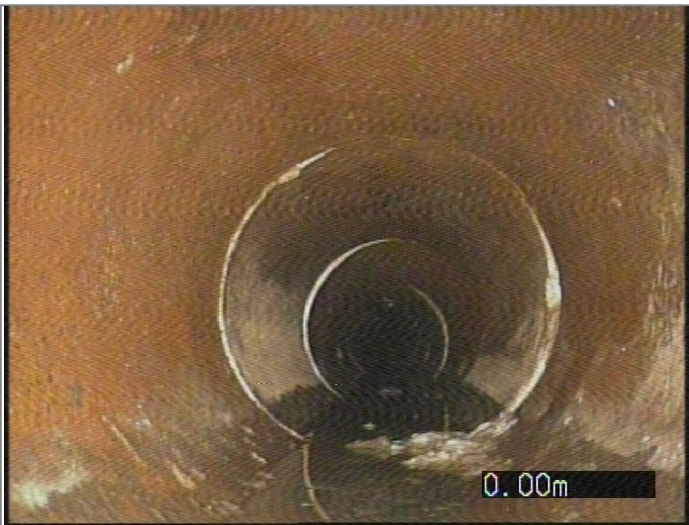


Job Number
LS5758

Surveyed by (Operator)
SAM/MATTY

Base Unit
S10E5CSLD1

Date
17/01/2025



Start node type, manhole, reference 2602



Water level 5% height/diameter



Junction at 3 o'clock, diameter 150mm



Junction at 12 o'clock, diameter 150mm



Finish node type, major connection without manhole, reference US.A
H.O.S

Surveyed by (Operator) SAM/MATTY	Job Number LS5758	Pipe Length Reference(PLR) 2602 X	Date 20/01/2025	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/4	Base Unit S10E5CSLD1	Section Number 10

Road Pennington Street , Place Levenshulme , Location Manchester ,	Division District Location Details
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Purpose Duty Combined Catchment	Shape/Size 300mm Material Vitrified clay Category	Start Node 2602 End Node 2601 Total length 50.97 metres
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Scale **1:2.68**
Direction **Downstream**

Start Node Ref:2602 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference 2602	11115804	Comment / 0
0.00	WL	Water level 5% height/diameter	11115805	Comment / 0
0.00	JN	Junction at 12 o'clock, diameter 150mm	11115806	Comment / 0
0.86	JN	Junction at 9 o'clock, diameter 150mm	11115807	Comment / 0
10.68	FL (S01)	Fracture longitudinal at 12 o'clock, Start	11115809	Structural / 3
12.52	JN	Junction at 3 o'clock, diameter 150mm	11115812	Comment / 0
12.57	CL	Crack longitudinal at 9 o'clock	11115813	Structural / 2
14.44	FL (F01)	Fracture longitudinal at 12 o'clock, Finished	11115814	Structural / 3
18.79	CL (S02)	Crack longitudinal at 12 o'clock, Start	11115816	Structural / 2
19.66	JN	Junction at 10 o'clock, diameter 150mm	11115817	Comment / 0
31.76	CL (F02)	Crack longitudinal at 12 o'clock, Finished	11115818	Structural / 2
33.66	BJ	Broken pipe from 8 to 4 o'clock, at joint	11115819	Structural / 4
40.66	JN	Junction at 3 o'clock, diameter 150mm	11115822	Comment / 0
47.35	CN	Connection other than junction at 11 o'clock, diameter 150mm	11115823	Comment / 0
50.00	JN	Junction at 9 o'clock, diameter 150mm	11115824	Comment / 0
50.97	MHF	Finish node type, manhole, reference 2601	11115825	Comment / 0

End Node Ref:2601 | I/L : metres

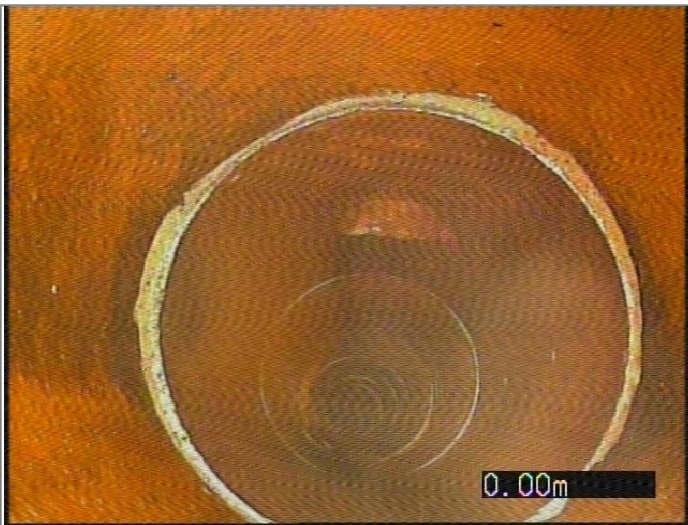


Job Number
LS5758

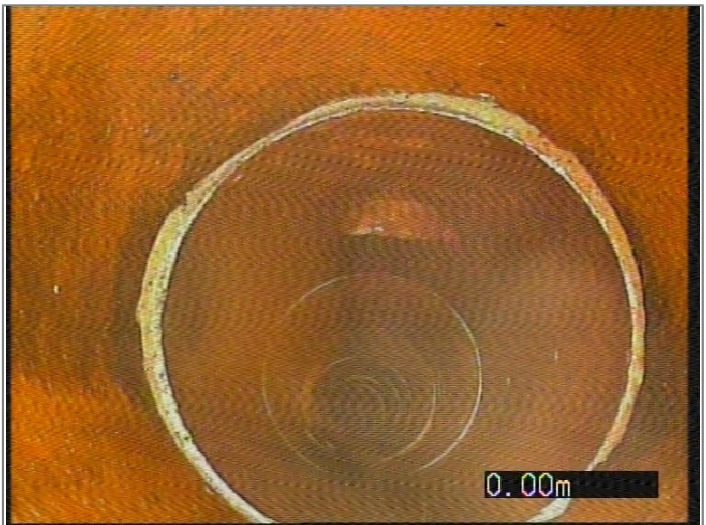
Surveyed by (Operator)
SAM/MATTY

Base Unit
S10E5CSLD1

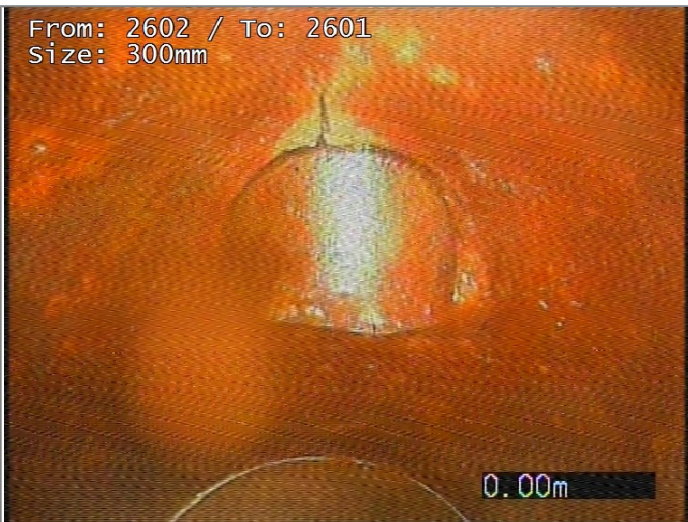
Date
17/01/2025



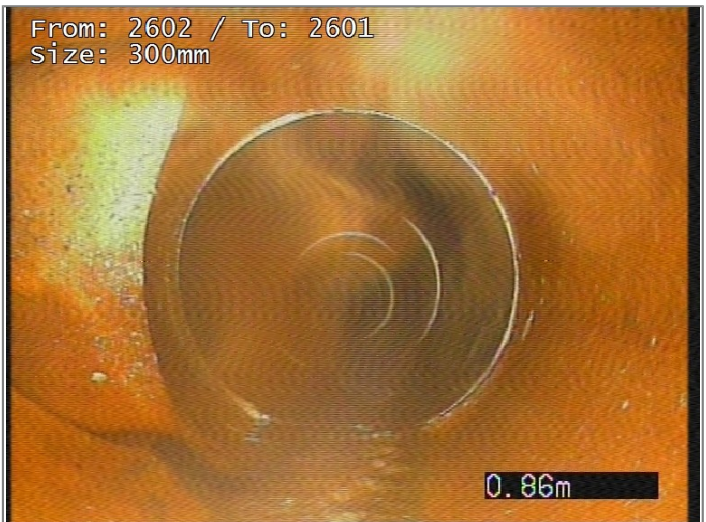
Start node type, manhole, reference 2602



Water level 5% height/diameter



Junction at 12 o'clock, diameter 150mm



Junction at 9 o'clock, diameter 150mm

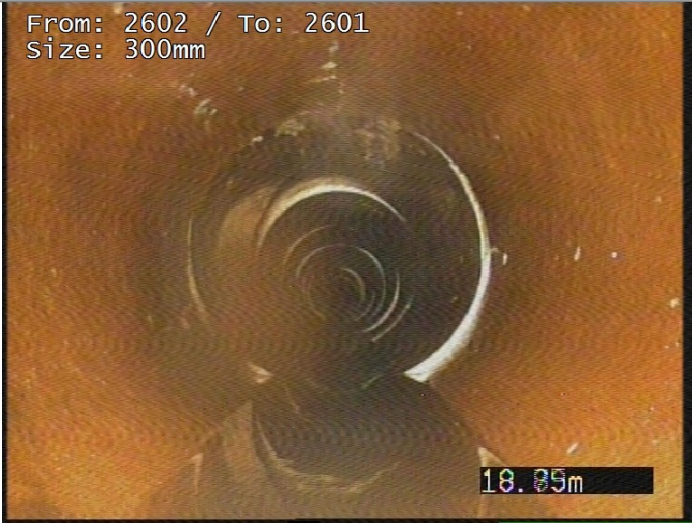
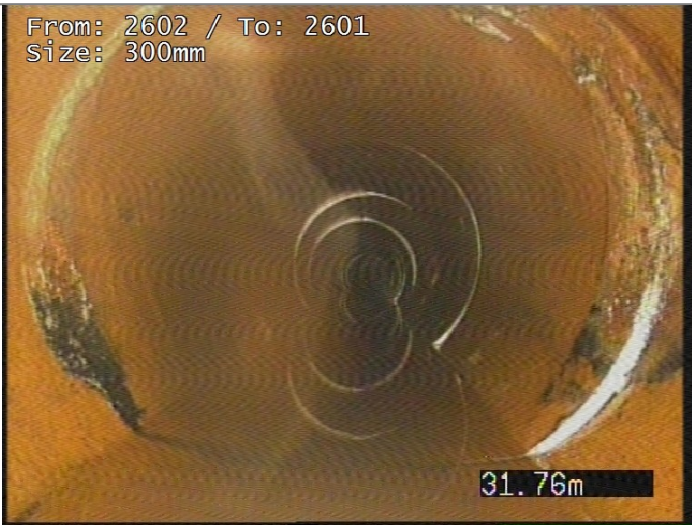
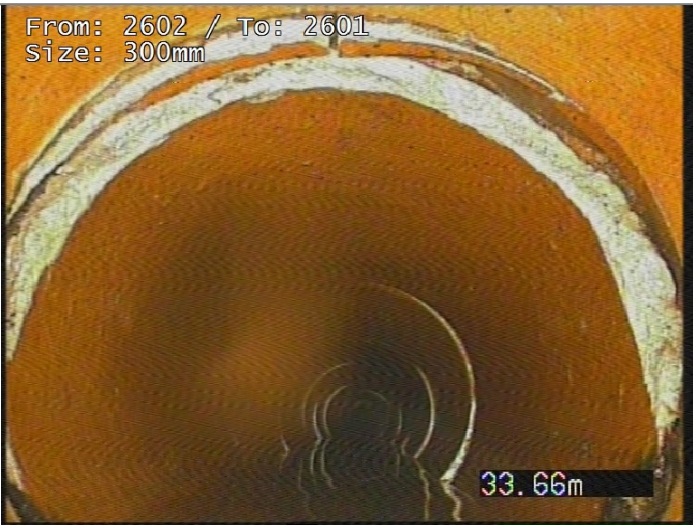


Fracture longitudinal at 12 o'clock, Start

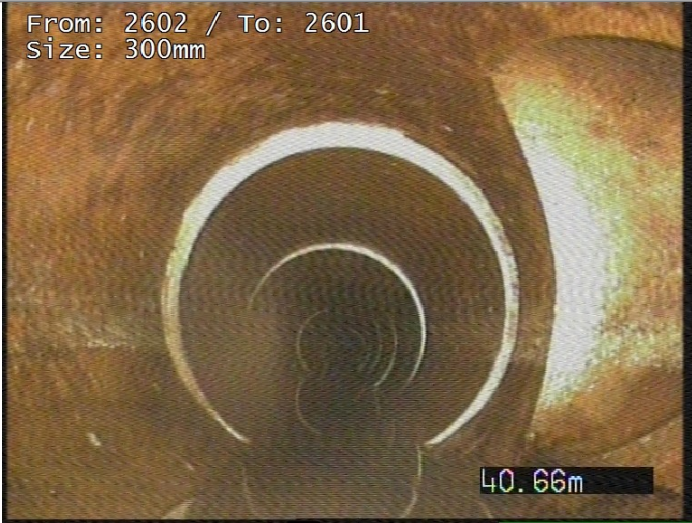
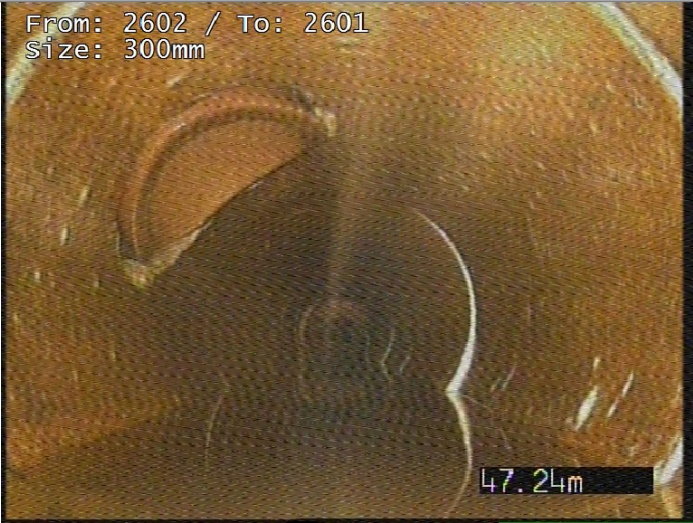
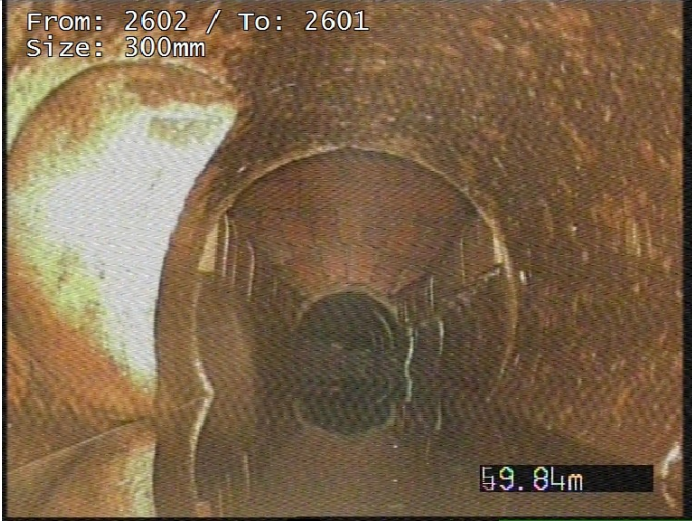


Junction at 3 o'clock, diameter 150mm



Job Number LS5758	Surveyed by (Operator) SAM/MATTY	Base Unit S10E5CSLD1	Date 17/01/2025
From: 2602 / To: 2601 Size: 300mm  Crack longitudinal at 9 o'clock From: 2602 / To: 2601 Size: 300mm  Fracture longitudinal at 12 o'clock, Finished			
From: 2602 / To: 2601 Size: 300mm  Crack longitudinal at 12 o'clock, Start From: 2602 / To: 2601 Size: 300mm  Junction at 10 o'clock, diameter 150mm			
From: 2602 / To: 2601 Size: 300mm  Crack longitudinal at 12 o'clock, Finished From: 2602 / To: 2601 Size: 300mm  Broken pipe from 8 to 4 o'clock, at joint			



Job Number LS5758	Surveyed by (Operator) SAM/MATTY	Base Unit S10E5CSLD1	Date 17/01/2025
From: 2602 / To: 2601 Size: 300mm  Junction at 3 o'clock, diameter 150mm From: 2602 / To: 2601 Size: 300mm  Connection other than junction at 11 o'clock, diameter 150mm			
From: 2602 / To: 2601 Size: 300mm  Junction at 9 o'clock, diameter 150mm From: 2602 / To: 2601 Size: 300mm  Finish node type, manhole, reference 2601			



Surveyed by (Operator) SAM/MATTY	Job Number LS5758	Pipe Length Reference(PLR) 1702 X	Date 20/01/2025	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 3/2	Base Unit S1OE5CSLD1	Section Number 11
Road Pennington Street, Place Levenshulme, Location Manchester,		Division District Location Details		
Purpose Duty Combined Catchment	Shape/Size 300mm Material Vitrified clay Category		Start Node 1702 End Node 2704 Total length 92.1 metres	

Scale **1:4.83**
Direction **Downstream**

Start Node Ref:1702 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference 1702	11115836	Comment / 0
0.00	WL	Water level 5% height/diameter	11115838	Comment / 0
0.00	JN	Junction at 9 o'clock, diameter 100mm	11115841	Comment / 0
0.97	CC	Crack circumferential from 2 to 10 o'clock	11150079	Structural / 2
2.35	WL	Water level 25% height/diameter	11150080	Comment / 0
2.78	JN	Junction at 12 o'clock, diameter 150mm	11150084	Comment / 0
7.58	JN	Junction at 3 o'clock, diameter 150mm	11150097	Comment / 0
7.88	DER	Settled deposits coarse 15% cross-sectional area loss	11150098	Service / 3
12.75	WL	Water level 5% height/diameter	11150108	Comment / 0
20.90	JN	Junction at 3 o'clock, diameter 150mm	11150128	Comment / 0
21.69	JDM	Joint displaced medium	11150129	Structural / 1
25.86	JN	Junction at 3 o'clock, diameter 225mm	11150133	Comment / 0
31.04	JDM	Joint displaced medium	11150138	Structural / 1
34.17	JDM	Joint displaced medium	11150139	Structural / 1
41.47	JDM	Joint displaced medium	11150146	Structural / 1
45.45	JN	Junction at 3 o'clock, diameter 225mm	11150149	Comment / 0
47.33	DEEJ (S01)	Attached deposits, encrustation from 7 to 5 o'clock 10% cross-sectional area loss, at joint, Start	11150163	Service / 3
51.66	DEEJ (F01)	Attached deposits, encrustation from 7 to 5 o'clock 10% cross-sectional area loss, at joint, Finished	11150168	Service / 3
63.92	JDM	Joint displaced medium	11150173	Structural / 1
65.96	JN	Junction at 3 o'clock, diameter 225mm	11150174	Comment / 0
70.95	JN	Junction at 3 o'clock, diameter 150mm	11150178	Comment / 0
85.75	JN	Junction at 9 o'clock, diameter 225mm	11150646	Comment / 0
87.60	JN	Junction at 9 o'clock, diameter 150mm	11150648	Comment / 0
88.34	JN	Junction at 3 o'clock, diameter 150mm	11150653	Comment / 0
92.10	MHF	Finish node type, manhole, reference 2704	11115844	Comment / 0

End Node Ref:2704 | I/L : metres



Job Number
LS5758

Surveyed by (Operator)
SAM/MATTY

Base Unit
S10E5CSLD1

Date
17/01/2025



Start node type, manhole, reference 1702



Water level 5% height/diameter



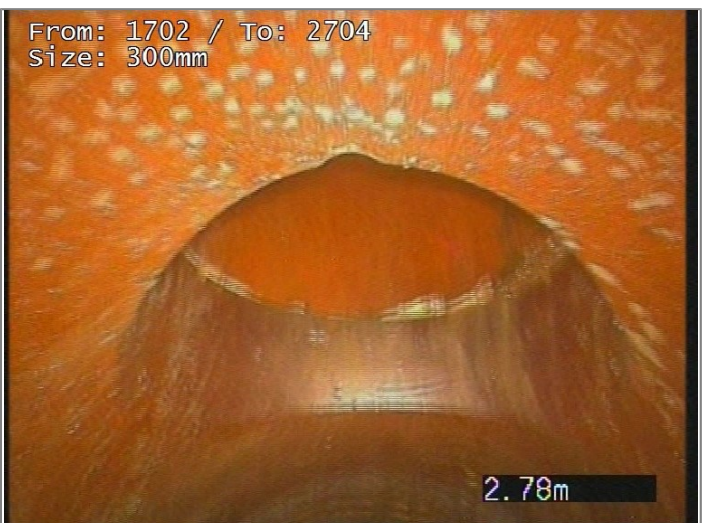
Junction at 9 o'clock, diameter 100mm



Crack circumferential from 2 to 10 o'clock

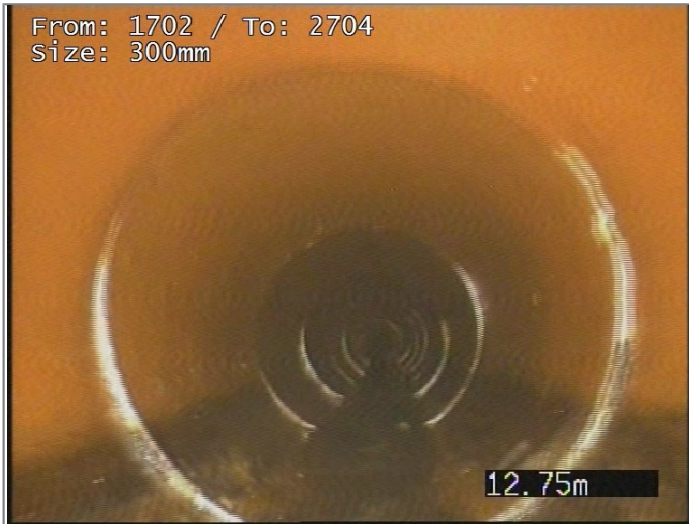


Water level 25% height/diameter

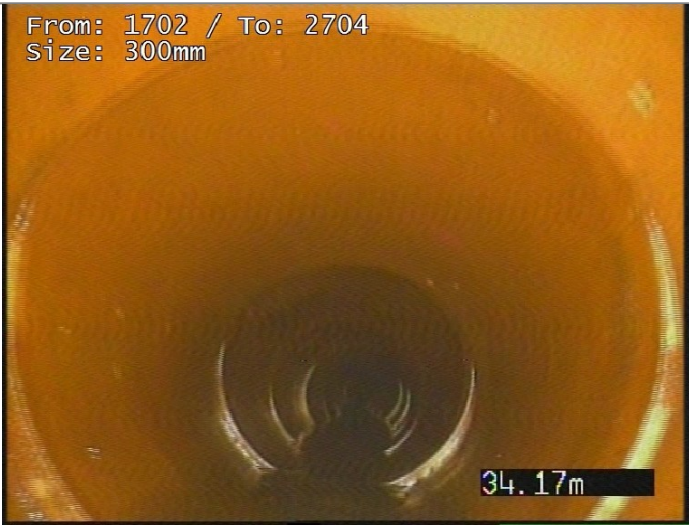


Junction at 12 o'clock, diameter 150mm

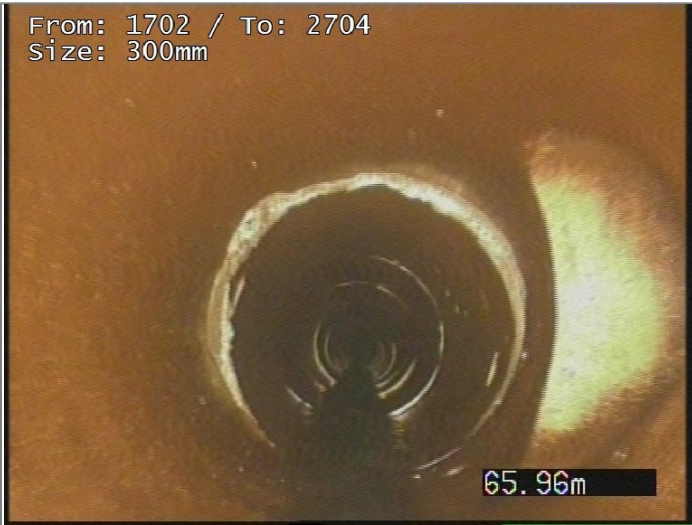
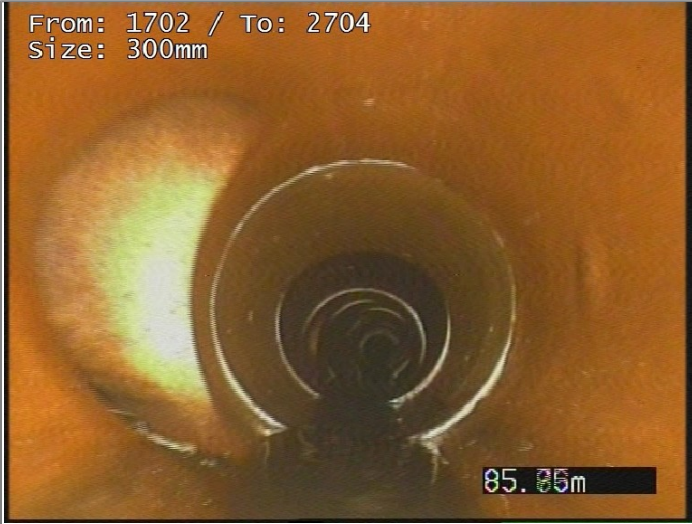


Job Number LS5758	Surveyed by (Operator) SAM/MATTY	Base Unit S10E5CSLD1	Date 17/01/2025
From: 1702 / To: 2704 Size: 300mm  Junction at 3 o'clock, diameter 150mm	From: 1702 / To: 2704 Size: 300mm  Settled deposits coarse 15% cross-sectional area loss		
From: 1702 / To: 2704 Size: 300mm  Water level 5% height/diameter	From: 1702 / To: 2704 Size: 300mm  Junction at 3 o'clock, diameter 150mm		
From: 1702 / To: 2704 Size: 300mm  Joint displaced medium	From: 1702 / To: 2704 Size: 300mm  Junction at 3 o'clock, diameter 225mm		



Job Number LS5758	Surveyed by (Operator) SAM/MATTY	Base Unit S10E5CSLD1	Date 17/01/2025
From: 1702 / To: 2704 Size: 300mm  31.04m Joint displaced medium			
From: 1702 / To: 2704 Size: 300mm  34.17m Joint displaced medium			
From: 1702 / To: 2704 Size: 300mm  41.47m Joint displaced medium			
From: 1702 / To: 2704 Size: 300mm  45.45m Junction at 3 o'clock, diameter 225mm			
From: 1702 / To: 2704 Size: 300mm  47.33m Attached deposits, encrustation from 7 to 5 o'clock 10% cross-sectional area loss, at joint, Start			
From: 1702 / To: 2704 Size: 300mm  51.66m Attached deposits, encrustation from 7 to 5 o'clock 10% cross-sectional area loss, at joint, Finished			



Job Number LS5758	Surveyed by (Operator) SAM/MATTY	Base Unit S10E5CSLD1	Date 17/01/2025
From: 1702 / To: 2704 Size: 300mm			
			
63.92m			
Joint displaced medium			
From: 1702 / To: 2704 Size: 300mm			
			
65.96m			
Junction at 3 o'clock, diameter 225mm			
From: 1702 / To: 2704 Size: 300mm			
			
70.95m			
Junction at 3 o'clock, diameter 150mm			
From: 1702 / To: 2704 Size: 300mm			
			
85.86m			
Junction at 9 o'clock, diameter 225mm			
From: 1702 / To: 2704 Size: 300mm			
			
87.60m			
Junction at 9 o'clock, diameter 150mm			
From: 1702 / To: 2704 Size: 300mm			
			
88.34m			
Junction at 3 o'clock, diameter 150mm			



Job Number
LS5758

Surveyed by (Operator)
SAM/MATTY

Base Unit
S10E5CSLD1

Date
17/01/2025

From: 1702 / To: 2704
Size: 300mm



92.10m

Finish node type, manhole, reference 2704



Surveyed by (Operator) SAM/MATTY	Job Number LS5758	Pipe Length Reference(PLR) US.D	Date 21/01/2025	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/1	Base Unit S10E5CSLD1	Section Number 12
Road Pennington Street, Place Levenshulme, Location Manchester,		Division District Location Details		
Purpose Duty Combined Catchment	Shape/Size 225mm Material Vitrified clay Category		Start Node 2602 End Node US.D Total length 6.43 metres	

Scale **1:0.34**
Direction **Upstream**

Start Node Ref:2602 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference 2602	11115845	Comment / 0
0.00	WL	Water level 15% height/diameter	11115846	Comment / 0
2.10	JDM	Joint displaced medium	11115847	Structural / 1
5.02	LR	Line of drain/sewer deviates right	11115848	Comment / 0
6.43	ICF	Finish node type, inspection chamber, reference US.D	11115850	Comment / 0

End Node Ref:US.D | I/L : metres



Job Number
LS5758

Surveyed by (Operator)
SAM/MATTY

Base Unit
S10E5CSLD1

Date
17/01/2025



Start node type, manhole, reference 2602



Water level 15% height/diameter



Joint displaced medium



Line of drain/sewer deviates right



Finish node type, inspection chamber, reference US.D

OFFICES NATIONWIDE



North West Office

Office 1-2, The Gatehouse, Lancashire Business Park,
Leyland, PR26 6TY



Midlands Office

Unit 2, 262 Walsall Road, Cannock, WS11 0JL



Southern Office

Grove Park Business Estate Waltham Rd,
White Waltham, Maidenhead SL6 3LW



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