

LAYER SURVEYS LTD
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DRAINAGE SURVEY



Job Number
LAYERSERV0001859

Surveyed by (Operator)
Joe COLLINS

Base Unit
DJVV56JNNH

Date
07/08/2023

Client Details:

Arrowsmith Brunswick Square Limited
Ground Floor 45 Pall Mall,
St James',
London,
United Kingdom,
SW1Y 5JG

Client Contact Name: Jason Dones
Client Contact Tel: 07393182012

Site Details:

Brunswick Mill,
Bradford Road,
Manchester,
M40 7EZ

Site Contact Name: Jason Dones
Site Contact Tel: 07393182012

Contractor Details:

Layer Surveys Ltd
Francis House
Meadowcroft Business Park
Pope Lane
Preston
Lancashire
PR4 4BA

Office Contact Number: 01772 611634

Purpose of Survey:



Job Number LAYERSERV0001859	Surveyed by (Operator) Joe COLLINS	Base Unit DJVV56JNNH	Date 07/08/2023
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Report Contents

Page 1	Cover Page
Page 2	Job Overview
Page 3	Contents Page
Page 5	Survey Run Sheet(Survey 1 - 7600 to 6707)
Page 7	Survey Run Sheet(Survey 2 - 7600 to 8502)
Page 9	Survey Run Sheet(Survey 3 - 6602 to 6603)
Page 12	Survey Run Sheet(Survey 4 - 6602 to A)
Page 14	Survey Run Sheet(Survey 5 - 6602 to B)
Page 16	Survey Run Sheet(Survey 6 - 5502 to 6605)
Page 18	Survey Run Sheet(Survey 7 - MH1 to MH2)
Page 23	Survey Run Sheet(Survey 8 - MH1 to A)
Page 25	Survey Run Sheet(Survey 9 - MH1 to B)
Page 27	Survey Run Sheet(Survey 10 - MH3 to X)
Page 29	Survey Run Sheet(Survey 11 - MH3 to B)
Page 31	Survey Run Sheet(Survey 12 - MH4 to MH5J)
Page 33	Survey Run Sheet(Survey 13 - SVP1 to X)
Page 35	Survey Run Sheet(Survey 14 - MH6 to MH7)



Job Number LAYERSERV0001859	Surveyed by (Operator) Joe COLLINS	Base Unit DJVV56JNNH	Date 07/08/2023
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Report Contents

Page 37	Survey Run Sheet(Survey 15 - MH6 to A)
Page 39	Survey Run Sheet(Survey 16 - MH6 to B)
Page 41	Survey Run Sheet(Survey 17 - MH6 to C)
Page 43	Final Page



Surveyed by (Operator) Joe COLLINS	Job Number LAYERSERV0001859	Pipe Length Reference(PLR) 6707 X	Date 07/08/2023	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit DJVV56JNNH	Section Number 1
Road Brunswick Mill, Place Bradford Road, Location Manchester,		Division District Location Details		
Purpose Duty Surface water Catchment	Shape/Size 1200mm Material Brick Category		Start Node 7600 End Node 6707 Total length 151.59 metres	

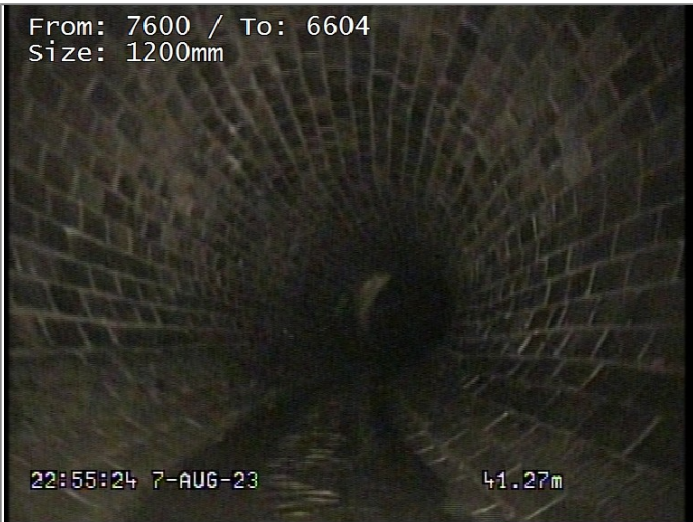
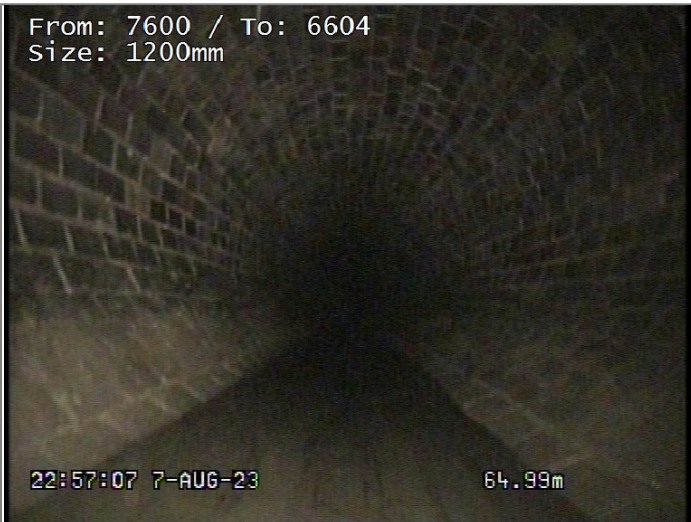
Scale **1:7.96**
Direction **Upstream**

Start Node Ref:7600 | I/L :mm | Depth: 12.69mm

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference 7600	8320917	Comment / 0
0.00	WL	Water level 5% height/diameter	8320918	Comment / 0
41.67	LR (S01)	Line of drain/sewer deviates right, Start	8320919	Comment / 0
65.30	LR (F01)	Line of drain/sewer deviates right, Finished	8320920	Comment / 0
148.88	JN	Junction at 3 o'clock, diameter 1200mm	8320921	Comment / 0
151.59	MHF	Finish node type, manhole, reference 6707	8320922	Comment / 0

End Node Ref:6707 | I/L :mm



Job Number LAYERSERV0001859	Surveyed by (Operator) Joe COLLINS	Base Unit DJVV56JNNH	Date 07/08/2023
 <p>22:52:42 7-AUG-23 0.00m</p>	 <p>22:52:42 7-AUG-23 0.00m</p>		
Start node type, manhole, reference 7600		Water level 5% height/diameter	
 <p>From: 7600 / To: 6604 Size: 1200mm 22:55:24 7-AUG-23 41.27m</p>	 <p>From: 7600 / To: 6604 Size: 1200mm 22:57:07 7-AUG-23 64.99m</p>		
Line of drain/sewer deviates right, Start		Line of drain/sewer deviates right, Finished	
 <p>From: 7600 / To: 6604 Size: 1200mm 23:03:14 7-AUG-23 148.88m</p>	 <p>From: 7600 / To: 6604 Size: 1200mm 23:04:30 7-AUG-23 151.59m</p>		
Junction at 3 o'clock, diameter 1200mm		Finish node type, manhole, reference 6707	



Surveyed by (Operator) Joe COLLINS	Job Number LAYERSERV0001859	Pipe Length Reference(PLR) 7600 X	Date 07/08/2023	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit DJVV56JNNH	Section Number 2

Road Brunswick Mill, Place Bradford Road, Location Manchester,	Division District Location Details
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Purpose Duty Surface water Catchment	Shape/Size 1200mm Material Brick Category	Start Node 7600 End Node 8502 Total length 116.01 metres
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Scale 1:6.09 Direction Downstream
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Start Node Ref:7600 I/L :mm Depth: 12.69mm						
Position	Code	Description	Photo	Type/Grade		
0.00	MH	Start node type, manhole, reference 7600	8320923	Comment / 0		
0.00	WL	Water level 5% height/diameter	8320924	Comment / 0		
116.01	MHF	Finish node type, manhole, reference 8502	8320925	Comment / 0		
End Node Ref:8502 I/L :mm						



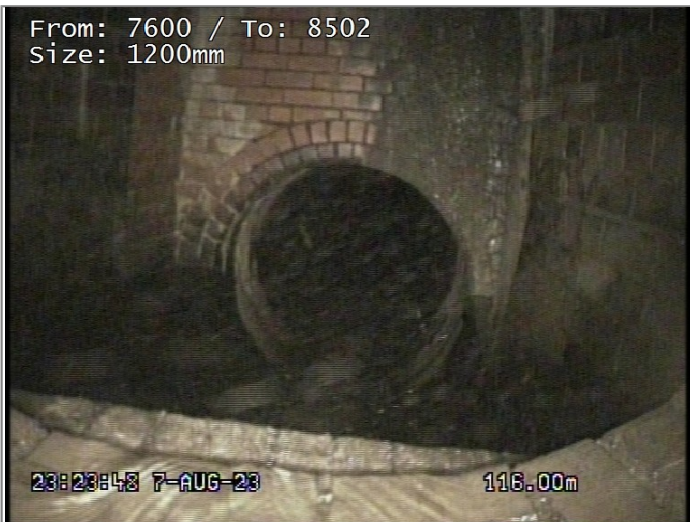
Job Number LAYERSERV0001859	Surveyed by (Operator) Joe COLLINS	Base Unit DJVV56JNNH	Date 07/08/2023
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Start node type, manhole, reference 7600



Water level 5% height/diameter



Finish node type, manhole, reference 8502



Surveyed by (Operator) Joe COLLINS	Job Number LAYERSERV0001859	Pipe Length Reference(PLR) 6602 X	Date 08/08/2023	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 3/0	Base Unit DJVV56JNNH	Section Number 3

Road Brunswick Mill, Place Bradford Road, Location Manchester,	Division District Location Details
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Purpose Duty Combined Catchment	Shape/Size 300mm Material Vitrified clay Category	Start Node 6602 End Node 6603 Total length 41.87 metres
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Scale 1:2.20 Direction Downstream
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Start Node Ref:6602 I/L :mm Depth: 3.80mm				Photo	Type/Grade
Position	Code	Description			
0.00	MH	Start node type, manhole, reference 6602		8320926	Comment / 0
0.00	WL	Water level 5% height/diameter		8320927	Comment / 0
1.00	DER (S01)	Settled deposits coarse 10% cross-sectional area loss, Start		8320928	Service / 3
4.14	CN	Connection other than junction at 11 o'clock, diameter 150mm		8320929	Comment / 0
7.45	DER (F01)	Settled deposits coarse 10% cross-sectional area loss, Finished		8320930	Service / 3
12.65	DER (S02)	Settled deposits coarse 10% cross-sectional area loss, Start		8320931	Service / 3
15.35	CN	Connection other than junction at 10 o'clock, diameter 150mm		8320932	Comment / 0
41.87	DER (F02)	Settled deposits coarse 10% cross-sectional area loss, Finished		8320933	Service / 3
41.87	MHF	Finish node type, manhole, reference 6603		8320934	Comment / 0
End Node Ref:6603 I/L :mm					



Job Number LAYERSERV0001859	Surveyed by (Operator) Joe COLLINS	Base Unit DJVV56JNNH	Date 08/08/2023
			
Start node type, manhole, reference 6602			
			
Water level 5% height/diameter			
			
Settled deposits coarse 10% cross-sectional area loss, Start			
			
Connection other than junction at 11 o'clock, diameter 150mm			
			
Settled deposits coarse 10% cross-sectional area loss, Finished			
			
Settled deposits coarse 10% cross-sectional area loss, Start			



Job Number LAYERSERV0001859	Surveyed by (Operator) Joe COLLINS	Base Unit DJVV56JNNH	Date 08/08/2023
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Connection other than junction at 10 o'clock, diameter 150mm



Settled deposits coarse 10% cross-sectional area loss, Finished



Finish node type, manhole, reference 6603



Surveyed by (Operator) Joe COLLINS	Job Number LAYERSERV0001859	Pipe Length Reference(PLR) A X	Date 08/08/2023	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit DJVV56JNNH	Section Number 4
Road Brunswick Mill, Place Bradford Road, Location Manchester,		Division District Location Details		
Purpose Duty Combined Catchment	Shape/Size 225mm Material Vitrified clay Category		Start Node 6602 End Node A Total length 1 metres	

Scale **1:0.05**
Direction **Upstream**

Start Node Ref:6602 | I/L :mm | Depth: 3.80mm

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference 6602	8320935	Comment / 0
0.00	WL	Water level 5% height/diameter	8320936	Comment / 0
1.00	OCF	Finish node type, other special chamber, reference A	8320937	Comment / 0

End Node Ref:A | I/L :mm



Job Number LAYERSERV0001859	Surveyed by (Operator) Joe COLLINS	Base Unit DJVV56JNNH	Date 08/08/2023
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Start node type, manhole, reference 6602



Water level 5% height/diameter



Finish node type, other special chamber, reference A



Surveyed by (Operator) Joe COLLINS	Job Number LAYERSERV0001859	Pipe Length Reference(PLR) B X	Date 08/08/2023	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit DJVV56JNNH	Section Number 5
Road Brunswick Mill, Place Bradford Road, Location Manchester,		Division District Location Details		
Purpose Duty Combined Catchment	Shape/Size 150mm Material Vitrified clay Category		Start Node 6602 End Node B Total length 2 metres	

Scale **1:0.10**
Direction **Upstream**

Start Node Ref:6602 | I/L :mm | Depth: 3.80mm

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference 6602	8320938	Comment / 0
0.00	WL	Water level 5% height/diameter	8320939	Comment / 0
2.00	OCF	Finish node type, other special chamber, reference B	8320940	Comment / 0

End Node Ref:B | I/L :mm



Job Number LAYERSERV0001859	Surveyed by (Operator) Joe COLLINS	Base Unit DJVV56JNNH	Date 08/08/2023
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Start node type, manhole, reference 6602



Water level 5% height/diameter



Finish node type, other special chamber, reference B



Surveyed by (Operator) Joe COLLINS	Job Number LAYERSERV0001859	Pipe Length Reference(PLR) 6605 X	Date 08/08/2023	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit DJVV56JNNH	Section Number 6
Road Brunswick Mill, Place Bradford Road, Location Manchester,		Division District Location Details		
Purpose Duty Combined Catchment	Shape/Size 600525mm Material Brick Category		Start Node 5502 End Node 6605 Total length 132 metres	

Scale **1:6.93**
Direction **Upstream**

Start Node Ref:5502 | I/L :mm | Depth: 2.94mm

Position	Code	Description	Photo	Type/Grade	
	0.00	MH	Start node type, manhole, reference 5502	8320941	Comment / 0
	0.00	WL	Water level 5% height/diameter	8320942	Comment / 0
	6.46	CN	Connection other than junction at 3 o'clock, diameter 225mm	8320943	Comment / 0
	25.16	SA	Survey abandoned - Remark: DUE TO 40% DER	8320946	Comment / 0

End Node Ref:6605 | I/L :mm



Job Number LAYERSERV0001859	Surveyed by (Operator) Joe COLLINS	Base Unit DJVV56JNNH	Date 08/08/2023
			
Start node type, manhole, reference 5502			
			
Water level 5% height/diameter			
			
From: 5502 / To: 6605 Size: 600525mm Connection other than junction at 3 o'clock, diameter 225mm			
			
From: 5502 / To: 6605 Size: 600525mm Survey abandoned - Remark: DUE TO 40% DER			



Surveyed by (Operator) Joe COLLINS	Job Number LAYERSERV0001859	Pipe Length Reference(PLR) MH2 X	Date 11/08/2023	Pre Cleaned Flushed through to enable survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 4/4	Base Unit DJVV56JNNH	Section Number 7
Road Brunswick Mill, Place Bradford Road, Location Manchester,		Division District Location Details		
Purpose Duty Not known Catchment	Shape/Size 150mm Material Vitrified clay Category		Start Node MH1 End Node MH2 Total length 28 metres	

Scale **1:1.47**
Direction **Upstream**

Start Node Ref:MH1 | I/L :mm | Depth: 1.76mm

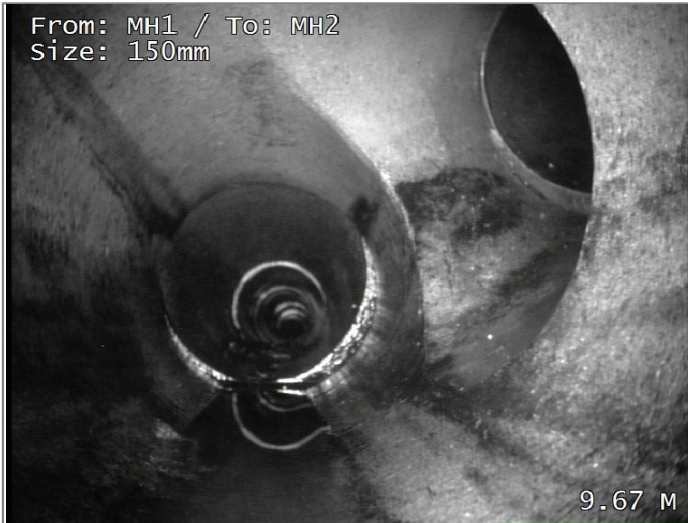
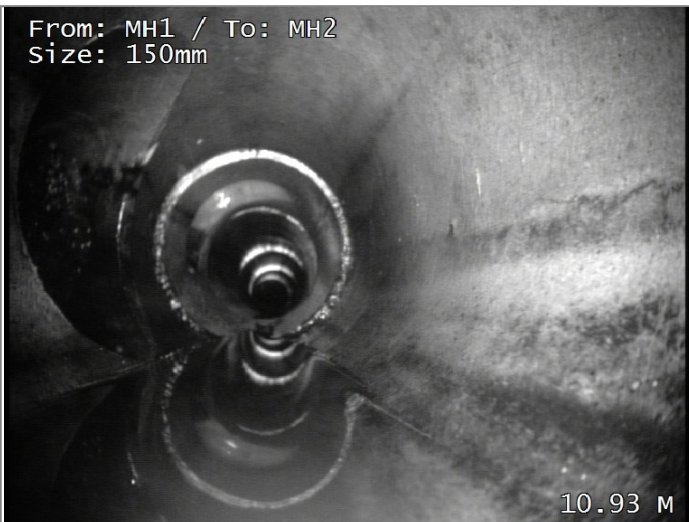
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MH1	8336216	Comment / 0
0.00	WL	Water level 5% height/diameter	8336219	Comment / 0
1.29	JN	Junction at 9 o'clock, diameter 100mm	8336220	Comment / 0
4.17	DEE	Attached deposits, encrustation from 5 to 7 o'clock 5% cross-sectional area loss	8336222	Service / 2
6.71	JN	Junction at 3 o'clock, diameter 150mm	8336224	Comment / 0
7.81	DEE	Attached deposits, encrustation from 5 to 7 o'clock 5% cross-sectional area loss	8336225	Service / 2
9.10	FC	Fracture circumferential from 12 to 6 o'clock	8336226	Structural / 3
9.71	JN	Junction at 2 o'clock, diameter 100mm	8336227	Comment / 0
10.52	DEC (S01)	Settled deposits hard or compacted 5% cross-sectional area loss, Start	8336228	Service / 2
10.93	DEC (F01)	Settled deposits hard or compacted 5% cross-sectional area loss, Finished	8336230	Service / 2
10.93	JN	Junction at 9 o'clock, diameter 150mm	8336231	Comment / 0
11.33	JN	Junction at 10 o'clock, diameter 100mm	8336232	Comment / 0
13.17	FC	Fracture circumferential from 12 to 12 o'clock	8336233	Structural / 3
13.69	JN	Junction at 12 o'clock, diameter 150mm	8336234	Comment / 0
17.05	JXB	Junction defective, connecting pipe is blocked at 9 o'clock, diameter 150mm	8336235	Comment / 0
17.17	B	Broken pipe from 8 to 2 o'clock	8336238	Structural / 4
17.69	JN	Junction at 12 o'clock, diameter 150mm	8336239	Comment / 0
17.74	FC	Fracture circumferential from 12 to 12 o'clock	8336240	Structural / 3
19.83	DEC	Settled deposits hard or compacted 10% cross-sectional area loss	8336244	Service / 3
20.31	DEE	Attached deposits, encrustation from 6 to 9 o'clock 5% cross-sectional area loss	8336247	Service / 2
20.69	FC	Fracture circumferential from 12 to 12 o'clock	8336248	Structural / 3
21.93	FC	Fracture circumferential from 6 to 12 o'clock	8336252	Structural / 3
23.67	DEC	Settled deposits hard or compacted 25% cross-sectional area loss	8336253	Service / 4
24.05	SA	Survey abandoned - Remark: DUE TO HARD STANDING UNABLE TO REMOVE	8336255	Comment / 0

End Node Ref:MH2 | I/L :mm

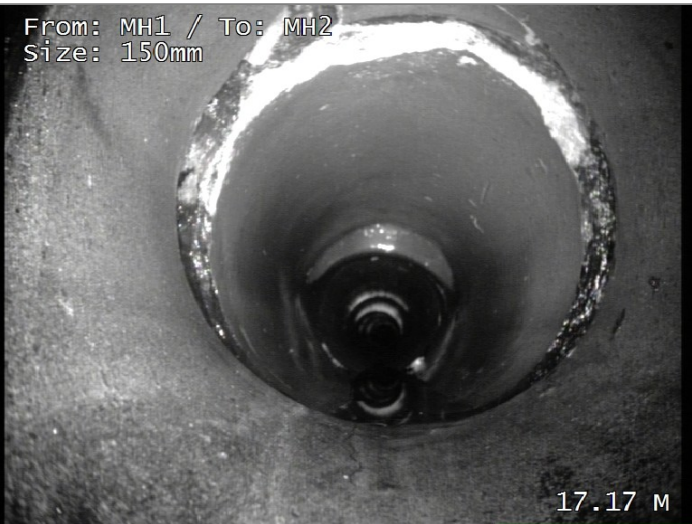
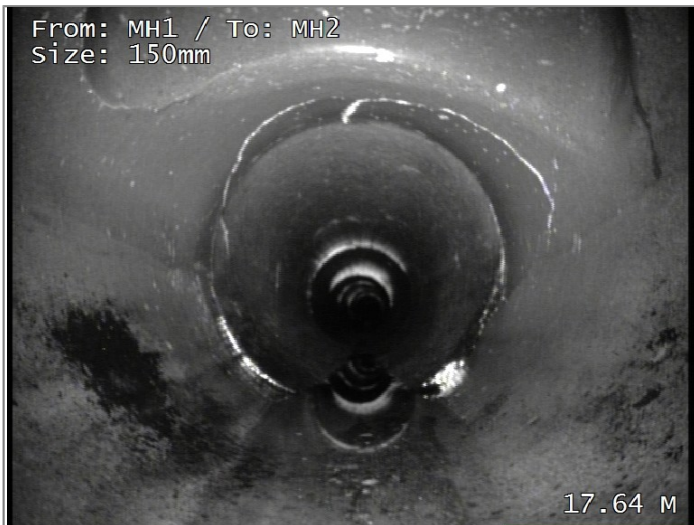
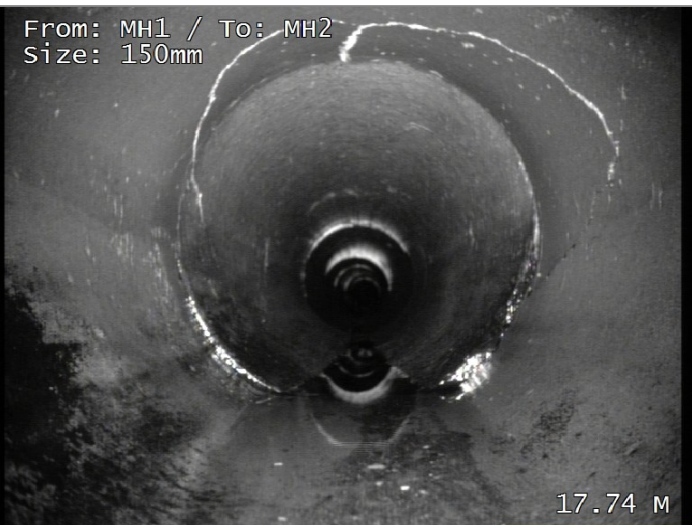


Job Number LAYERSERV0001859	Surveyed by (Operator) Joe COLLINS	Base Unit DJVV56JNNH	Date 11/08/2023
 <p>0.00 M</p> <p>Start node type, manhole, reference MH1</p>			
 <p>0.00 M</p> <p>Water level 5% height/diameter</p>			
<p>From: MH1 / To: MH2 Size: 150mm</p>  <p>1.24 M</p> <p>Junction at 9 o'clock, diameter 100mm</p>			
<p>From: MH1 / To: MH2 Size: 150mm</p>  <p>4.17 M</p> <p>Attached deposits, encrustation from 5 to 7 o'clock 5% cross-sectional area loss</p>			
<p>From: MH1 / To: MH2 Size: 150mm</p>  <p>6.71 M</p> <p>Junction at 3 o'clock, diameter 150mm</p>			
<p>From: MH1 / To: MH2 Size: 150mm</p>  <p>7.79 M</p> <p>Attached deposits, encrustation from 5 to 7 o'clock 5% cross-sectional area loss</p>			

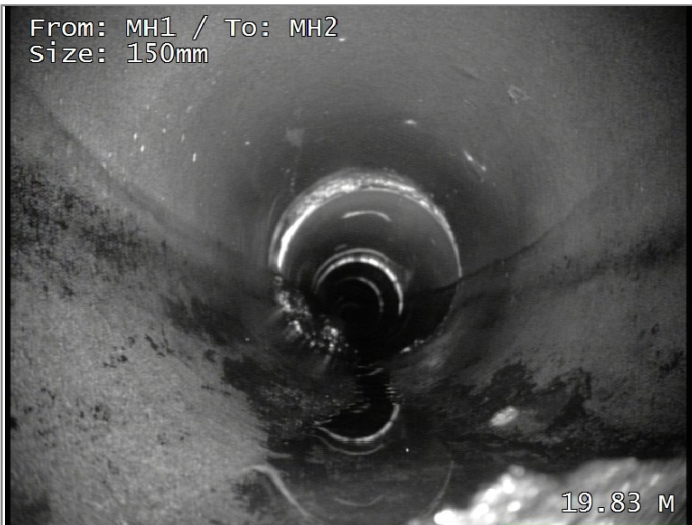
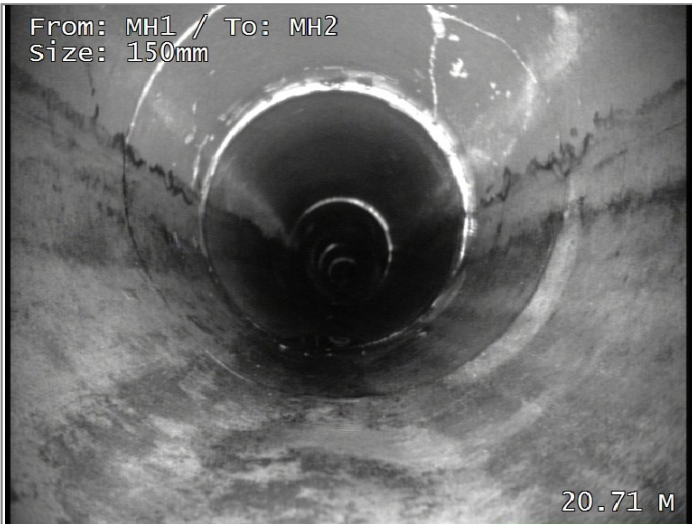
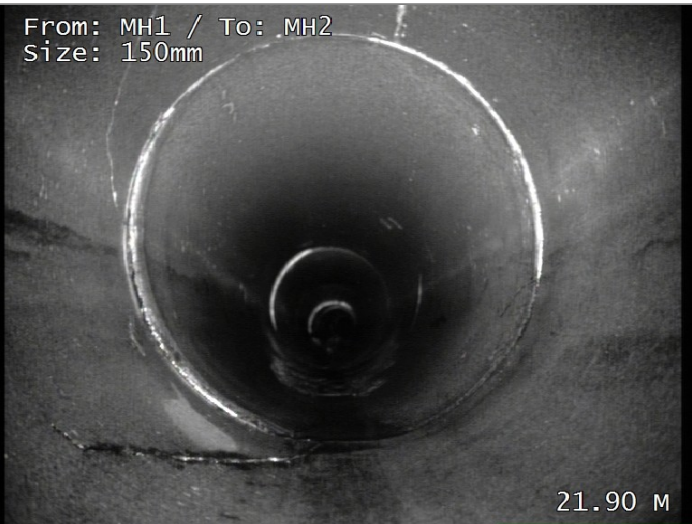


Job Number LAYERSERV0001859	Surveyed by (Operator) Joe COLLINS	Base Unit DJVV56JNNH	Date 11/08/2023
<div><div>From: MH1 / To: MH2 Size: 150mm</div><div><div>9.12 M</div></div><div>Fracture circumferential from 12 to 6 o'clock</div></div>	<div><div>From: MH1 / To: MH2 Size: 150mm</div><div><div>9.67 M</div></div><div>Junction at 2 o'clock, diameter 100mm</div></div>		
<div><div>From: MH1 / To: MH2 Size: 150mm</div><div><div>10.52 M</div></div><div>Settled deposits hard or compacted 5% cross-sectional area loss, Start</div></div>	<div><div>From: MH1 / To: MH2 Size: 150mm</div><div><div>10.93 M</div></div><div>Settled deposits hard or compacted 5% cross-sectional area loss, Finished</div></div>		
<div><div>From: MH1 / To: MH2 Size: 150mm</div><div><div>10.93 M</div></div><div>Junction at 9 o'clock, diameter 150mm</div></div>	<div><div>From: MH1 / To: MH2 Size: 150mm</div><div><div>11.29 M</div></div><div>Junction at 10 o'clock, diameter 100mm</div></div>		



Job Number LAYERSERV0001859	Surveyed by (Operator) Joe COLLINS	Base Unit DJVV56JNNH	Date 11/08/2023
<div><div>From: MH1 / To: MH2 Size: 150mm</div><div><div>13.17 M</div></div><div>Fracture circumferential from 12 to 12 o'clock</div></div>	<div><div>From: MH1 / To: MH2 Size: 150mm</div><div><div>13.69 M</div></div><div>Junction at 12 o'clock, diameter 150mm</div></div>		
<div><div>From: MH1 / To: MH2 Size: 150mm</div><div><div>17.05 M</div></div><div>Junction defective, connecting pipe is blocked at 9 o'clock, diameter 150mm</div></div>	<div><div>From: MH1 / To: MH2 Size: 150mm</div><div><div>17.17 M</div></div><div>Broken pipe from 8 to 2 o'clock</div></div>		
<div><div>From: MH1 / To: MH2 Size: 150mm</div><div><div>17.64 M</div></div><div>Junction at 12 o'clock, diameter 150mm</div></div>	<div><div>From: MH1 / To: MH2 Size: 150mm</div><div><div>17.74 M</div></div><div>Fracture circumferential from 12 to 12 o'clock</div></div>		



Job Number LAYERSERV0001859	Surveyed by (Operator) Joe COLLINS	Base Unit DJVV56JNNH	Date 11/08/2023
<div>From: MH1 / To: MH2 Size: 150mm</div> <div></div> <div>19.83 M</div> <div>Settled deposits hard or compacted 10% cross-sectional area loss</div>	<div>From: MH1 / To: MH2 Size: 150mm</div> <div></div> <div>20.29 M</div> <div>Attached deposits, encrustation from 6 to 9 o'clock 5% cross-sectional area loss</div>		
<div>From: MH1 / To: MH2 Size: 150mm</div> <div></div> <div>20.71 M</div> <div>Fracture circumferential from 12 to 12 o'clock</div>	<div>From: MH1 / To: MH2 Size: 150mm</div> <div></div> <div>21.90 M</div> <div>Fracture circumferential from 6 to 12 o'clock</div>		
<div>From: MH1 / To: MH2 Size: 150mm</div> <div></div> <div>23.67 M</div> <div>Settled deposits hard or compacted 25% cross-sectional area loss</div>	<div>From: MH1 / To: MH2 Size: 150mm</div> <div></div> <div>24.05 M</div> <div>Survey abandoned - Remark: DUE TO HARD STANDING UNABLE TO REMOVE</div>		



Layer Surveys Ltd
Francis House
Meadowcroft Business Park
Pope Lane
Preston
Lancashire
PR4 4BA

Start Node Ref:MH1 | I/L :mm | Depth: 1.76mm



Job Number
LAYERSERV0001859

Surveyed by (Operator)
Joe COLLINS

Base Unit
DJVV56JNNH

Date
11/08/2023



Start node type, manhole, reference MH1



Water level 5% height/diameter



Line of drain/sewer deviates up



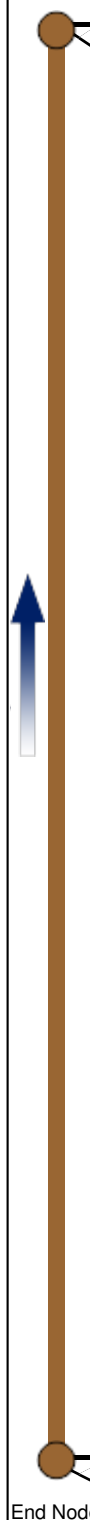
Finish node type, other special chamber, reference A



Surveyed by (Operator) Joe COLLINS	Job Number LAYERSERV0001859	Pipe Length Reference(PLR) B X	Date 11/08/2023	Pre Cleaned Flushed through to enable survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit DJVV56JNNH	Section Number 9
Road Brunswick Mill, Place Bradford Road, Location Manchester,		Division District Location Details		
Purpose Duty Not known Catchment	Shape/Size 150mm Material Vitrified clay Category		Start Node MH1 End Node B Total length 0.83 metres	

Scale **1:0.04**
Direction **Upstream**

Start Node Ref:MH1 | I/L :mm | Depth: 1.76mm

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MH1	8336272	Comment / 0
0.00	WL	Water level 5% height/diameter	8336296	Comment / 0
				
0.83	LU	Line of drain/ sewer deviates up	8336298	Comment / 0
0.83	OCF	Finish node type, other special chamber, reference B	8336300	Comment / 0

End Node Ref:B | I/L :mm



Job Number
LAYERSERV0001859

Surveyed by (Operator)
Joe COLLINS

Base Unit
DJVV56JNNH

Date
11/08/2023



Start node type, manhole, reference MH1



Water level 5% height/diameter



Line of drain/sewer deviates up



Finish node type, other special chamber, reference B



Surveyed by (Operator) Joe COLLINS	Job Number LAYERSERV0001859	Pipe Length Reference(PLR) X X	Date 11/08/2023	Pre Cleaned Flushed through to enable survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit DJVV56JNNH	Section Number 10
Road Brunswick Mill, Place Bradford Road, Location Manchester,		Division District Location Details		
Purpose Duty Not known Catchment	Shape/Size 225mm Material Vitrified clay Category		Start Node MH3 End Node X Total length 0.2 metres	

Scale **1:0.01**
Direction **Upstream**

Start Node Ref:MH3 | I/L :mm | Depth: 1.16mm

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MH3	8336304	Comment / 0
0.00	WL	Water level 5% height/diameter	8336305	Comment / 0
0.20	OCF	Finish node type, other special chamber, reference X	8336306	Comment / 0

End Node Ref:X | I/L :mm



Job Number LAYERSERV0001859	Surveyed by (Operator) Joe COLLINS	Base Unit DJVV56JNNH	Date 11/08/2023
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Start node type, manhole, reference MH3



Water level 5% height/diameter



Finish node type, other special chamber, reference X



Surveyed by (Operator) Joe COLLINS	Job Number LAYERSERV0001859	Pipe Length Reference(PLR) B X	Date 11/08/2023	Pre Cleaned Flushed through to enable survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 3/3	Base Unit DJVV56JNNH	Section Number 11
Road Brunswick Mill, Place Bradford Road, Location Manchester,		Division District Location Details		
Purpose Duty Not known Catchment	Shape/Size 150mm Material Vitrified clay Category		Start Node MH3 End Node B Total length 7.5 metres	

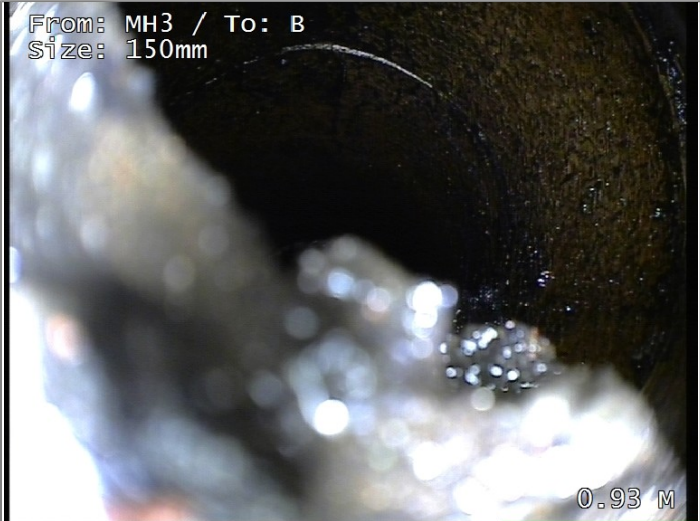
Scale **1:0.39**
Direction **Upstream**

Start Node Ref:MH3 | I/L :mm | Depth: 1.16mm

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MH3	8336372	Comment / 0
0.00	WL	Water level 5% height/diameter	8336373	Comment / 0
0.52	FC	Fracture circumferential from 9 to 3 o'clock	8336376	Structural / 3
0.93	DER	Settled deposits coarse 10% cross-sectional area loss	8336379	Service / 3
7.38	SA	Survey abandoned - Remark: OLD DOW SPOUT CAPPED	8336380	Comment / 0

End Node Ref:B | I/L :mm



Job Number LAYERSERV0001859	Surveyed by (Operator) Joe COLLINS	Base Unit DJVV56JNNH	Date 11/08/2023
 <p>0.00 M</p> <p>Start node type, manhole, reference MH3</p>			
 <p>0.00 M</p> <p>Water level 5% height/diameter</p>			
<div><div><p>From: MH3 / To: B Size: 150mm</p><p>0.55 M</p><p>Fracture circumferential from 9 to 3 o'clock</p></div><div><p>From: MH3 / To: B Size: 150mm</p><p>0.93 M</p><p>Settled deposits coarse 10% cross-sectional area loss</p></div></div>			
<div><p>From: MH3 / To: B Size: 150mm</p><p>7.38 M</p><p>Survey abandoned - Remark: OLD DOW SPOUT CAPPED</p></div>			



Surveyed by (Operator) Joe COLLINS	Job Number LAYERSERV0001859	Pipe Length Reference(PLR) MH4 X	Date 11/08/2023	Pre Cleaned Flushed through to enable survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit DJVV56JNNH	Section Number 12
Road Brunswick Mill, Place Bradford Road, Location Manchester,		Division District Location Details		
Purpose Duty Not known Catchment	Shape/Size 100mm Material Vitrified clay Category		Start Node MH4 End Node MH5J Total length 11 metres	

Scale **1:0.58**
Direction **Downstream**

Start Node Ref:MH4 | I/L :mm | Depth: 0.97mm

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MH4	8336732	Comment / 0
0.00	WL	Water level 5% height/diameter	8336733	Comment / 0
6.14	LR (S01)	Line of drain/sewer deviates right, Start	8336734	Comment / 0
9.40	LR (F01)	Line of drain/sewer deviates right, Finished	8336739	Comment / 0
10.12	LD	Line of drain/sewer deviates down	8336750	Comment / 0
11.00	OCF	Finish node type, other special chamber, reference MH5J	8336769	Comment / 0

End Node Ref:MH5J | I/L :mm



Job Number LAYERSERV0001859	Surveyed by (Operator) Joe COLLINS	Base Unit DJVV56JNNH	Date 11/08/2023
 <p>0.00 M</p> <p>Start node type, manhole, reference MH4</p>	 <p>0.00 M</p> <p>Water level 5% height/diameter</p>		
<p>From: MH4 / To: MH5 Size: 100mm</p>  <p>6.14 M</p> <p>Line of drain/sewer deviates right, Start</p>	<p>From: MH4 / To: MH5 Size: 100mm</p>  <p>9.40 M</p> <p>Line of drain/sewer deviates right, Finished</p>		
<p>From: MH4 / To: MH5 Size: 100mm</p>  <p>10.12 M</p> <p>Line of drain/sewer deviates down</p>	<p>From: MH4 / To: MH5 Size: 100mm</p>  <p>11.00 M</p> <p>Finish node type, other special chamber, reference MH5J</p>		



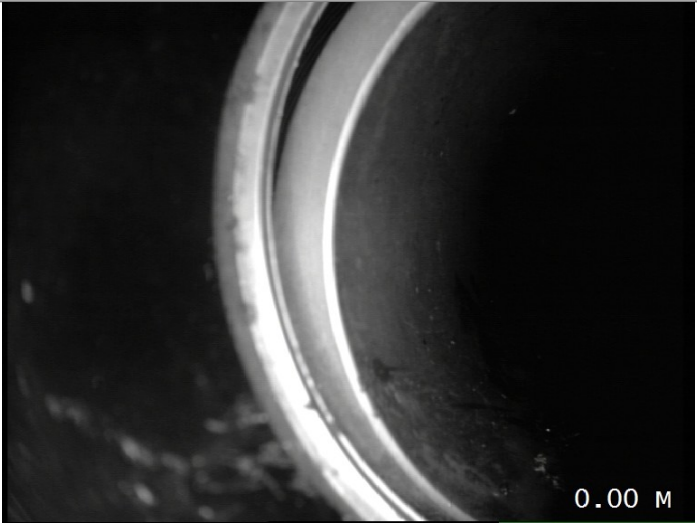
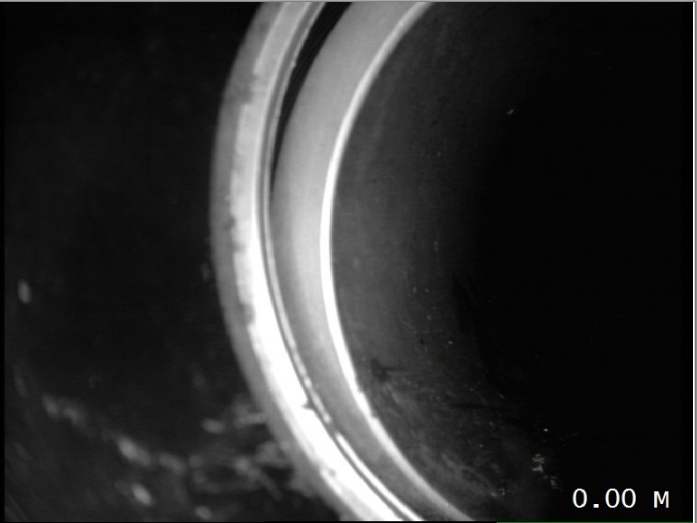
Surveyed by (Operator) Joe COLLINS	Job Number LAYERSERV0001859	Pipe Length Reference(PLR) SVP1 X	Date 11/08/2023	Pre Cleaned Flushed through to enable survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit DJVV56JNNH	Section Number 13
Road Brunswick Mill, Place Bradford Road, Location Manchester,		Division District Location Details		
Purpose Duty Not known Catchment	Shape/Size 100mm Material Vitrified clay Category		Start Node SVP1 End Node X Total length 11.64 metres	

Scale **1:0.61**
Direction **Downstream**

Start Node Ref:SVP1 | I/L :mm

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: SVP	8337108	Comment / 0
0.00	WL	Water level 5% height/diameter	8337109	Comment / 0
End Node Ref:X I/L :mm				



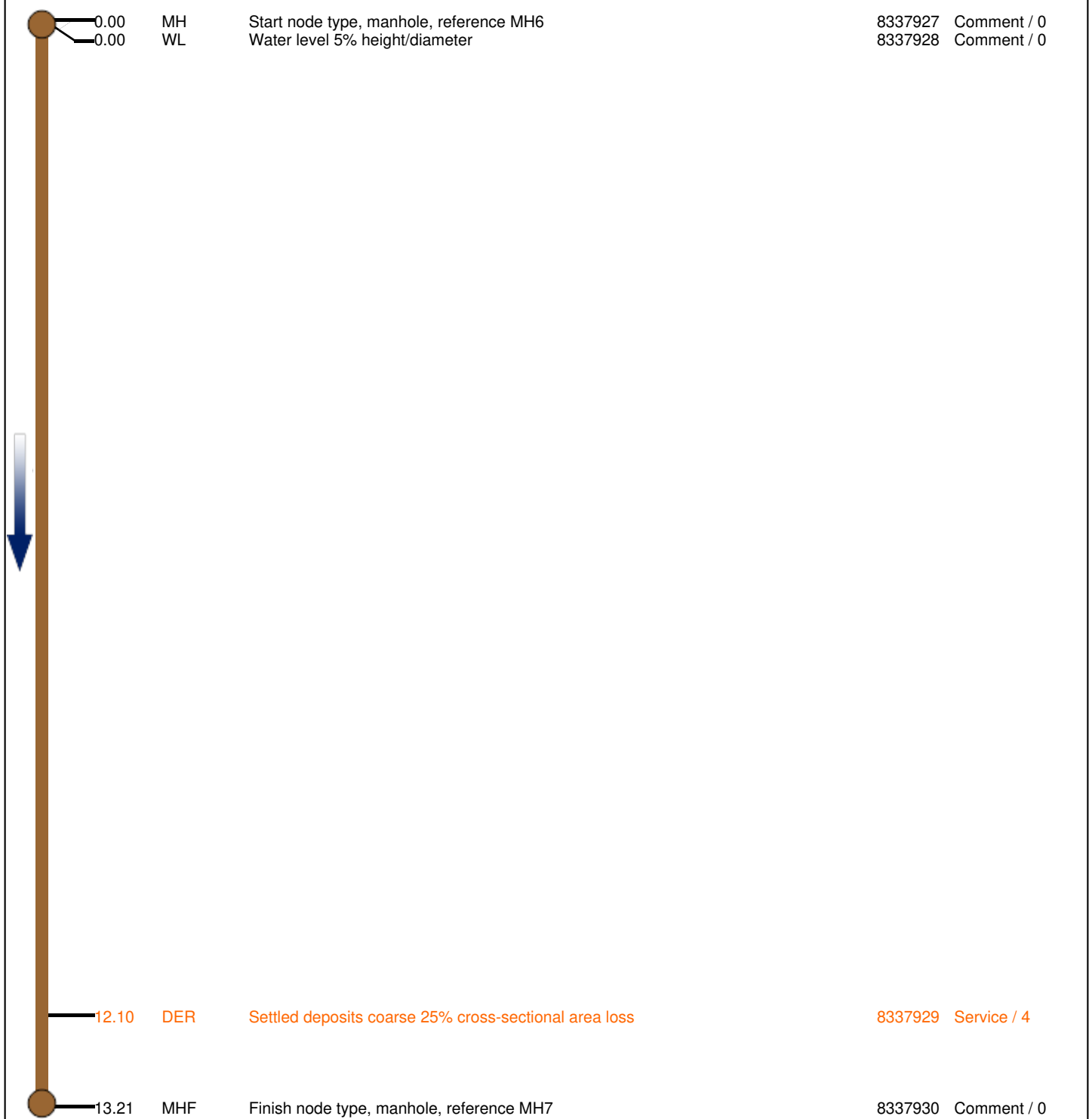
Job Number LAYERSERV0001859	Surveyed by (Operator) Joe COLLINS	Base Unit DJVV56JNNH	Date 11/08/2023
 <p>Start node type: SVP</p>		 <p>Water level 5% height/diameter</p>	



Surveyed by (Operator) Joe COLLINS	Job Number LAYERSERV0001859	Pipe Length Reference(PLR) MH6 X	Date 11/08/2023	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 4/0	Base Unit DJVV56JNNH	Section Number 14
Road Brunswick Mill, Place Bradford Road, Location Manchester,		Division District Location Details		
Purpose Duty Not known Catchment	Shape/Size 150mm Material Cast iron Category		Start Node MH6 End Node MH7 Total length 13.21 metres	

Scale **1:0.69**
Direction **Downstream**

Start Node Ref:MH6 | I/L :mm | Depth: 1.21mm

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MH6	8337927	Comment / 0
0.00	WL	Water level 5% height/diameter	8337928	Comment / 0
				
12.10	DER	Settled deposits coarse 25% cross-sectional area loss	8337929	Service / 4
13.21	MHF	Finish node type, manhole, reference MH7	8337930	Comment / 0

End Node Ref:MH7 | I/L :mm

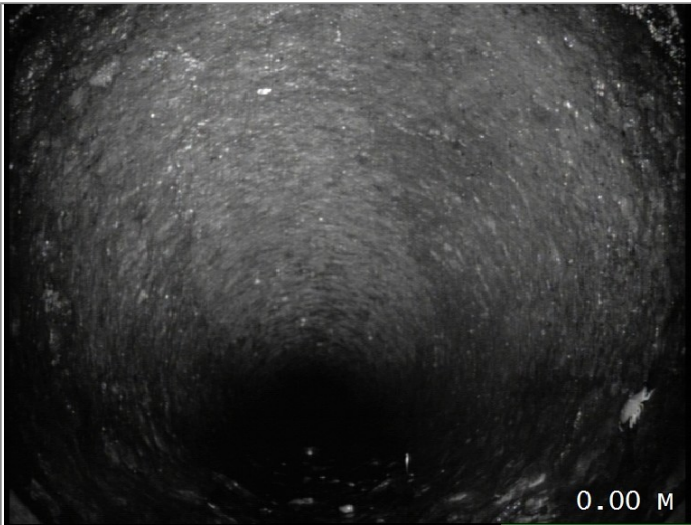


Job Number
LAYERSERV0001859

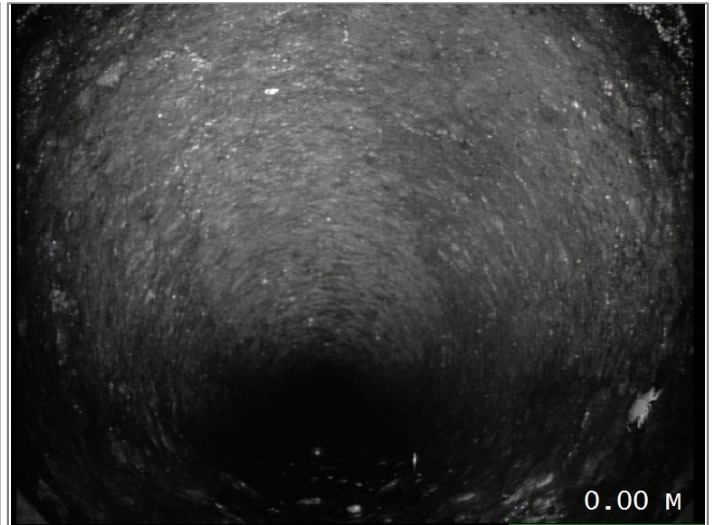
Surveyed by (Operator)
Joe COLLINS

Base Unit
DJVV56JNNH

Date
11/08/2023



Start node type, manhole, reference MH6



Water level 5% height/diameter



Settled deposits coarse 25% cross-sectional area loss



Finish node type, manhole, reference MH7



Surveyed by (Operator) Joe COLLINS	Job Number LAYERSERV0001859	Pipe Length Reference(PLR) A X	Date 11/08/2023	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit DJVV56JNNH	Section Number 15
Road Brunswick Mill, Place Bradford Road, Location Manchester,		Division District Location Details		
Purpose Duty Not known Catchment	Shape/Size 150mm Material Cast iron Category		Start Node MH6 End Node A Total length 0.48 metres	

Scale **1:0.03**
Direction **Upstream**

Start Node Ref:MH6 | I/L :mm | Depth: 1.21mm

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MH6	8337932	Comment / 0
0.00	WL	Water level 5% height/diameter	8337987	Comment / 0
0.48	OCF	Finish node type, other special chamber, reference A	8337988	Comment / 0

End Node Ref:A | I/L :mm



Job Number
LAYERSERV0001859

Surveyed by (Operator)
Joe COLLINS

Base Unit
DJVV56JNNH

Date
11/08/2023



Start node type, manhole, reference MH6



Water level 5% height/diameter



Finish node type, other special chamber, reference A



Surveyed by (Operator) Joe COLLINS	Job Number LAYERSERV0001859	Pipe Length Reference(PLR) B X	Date 11/08/2023	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit DJVV56JNNH	Section Number 16
Road Brunswick Mill, Place Bradford Road, Location Manchester,		Division District Location Details		
Purpose Duty Not known Catchment	Shape/Size 100mm Material Cast iron Category		Start Node MH6 End Node B Total length 0.17 metres	

Scale **1:0.01**
Direction **Upstream**

Start Node Ref:MH6 | I/L :mm | Depth: 1.21mm

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MH6	8337989	Comment / 0
0.00	WL	Water level 5% height/diameter	8337990	Comment / 0
0.17	OCF	Finish node type, other special chamber, reference B	8337992	Comment / 0

End Node Ref:B | I/L :mm



Job Number
LAYERSERV0001859

Surveyed by (Operator)
Joe COLLINS

Base Unit
DJVV56JNNH

Date
11/08/2023



Start node type, manhole, reference MH6



Water level 5% height/diameter



Finish node type, other special chamber, reference B



Surveyed by (Operator) Joe COLLINS	Job Number LAYERSERV0001859	Pipe Length Reference(PLR) C X	Date 11/08/2023	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit DJVV56JNNH	Section Number 17
Road Brunswick Mill, Place Bradford Road, Location Manchester,		Division District Location Details		
Purpose Duty Not known Catchment	Shape/Size 100mm Material Cast iron Category		Start Node MH6 End Node C Total length 0.5 metres	

Scale **1:0.03**
Direction **Upstream**

Start Node Ref:MH6 | I/L :mm | Depth: 1.21mm

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MH6	8337993	Comment / 0
0.00	WL	Water level 5% height/diameter	8338004	Comment / 0
0.50	OCF	Finish node type, other special chamber, reference C	8338005	Comment / 0

End Node Ref:C | I/L :mm



Job Number
LAYERSERV0001859

Surveyed by (Operator)
Joe COLLINS

Base Unit
DJVV56JNNH

Date
11/08/2023



Start node type, manhole, reference MH6



Water level 5% height/diameter



Finish node type, other special chamber, reference C



LAYER SURVEYS LTD

SEE THE COMPLETE PICTURE

North West Office:

Francis House, Meadowcroft Business Park,
Pope Lane, Preston, PR4 4BA

Midlands Office:

5A Anchor Road,
Aldridge WS9 8PT

Southern Office:

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

T: 01772 611634

M: 07341 953636

darren@layersurveys.co.uk

www.layersurveys.co.uk

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