



CCTV Inspection Report



Metro Rod (London North West)

Unit 17, Willows Activity Farm, Coursers Road, St Albans, AL4 0PF
Tel: 02034113113

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
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Client Details:

28 MOOR PARK ROAD
NORTHWOOD
HA6 2DJ
ANIJI PILLAI
07789274887

Site Details:

28 MOOR PARK ROAD
NORTHWOOD
HA6 2DJ

Contractor Details:

Metro Rod (London North West)
Unit 17
Willows Activity Farm
Coursers Road
St Albans
AL4 0PF

Office Contact Number: 0208 200 1010

Purpose of Survey:

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
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Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
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Main Sections

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
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No.	US MH	DS MH	Date	Road	Material	m
1	SMH01	SMH02	25/03/2024	28 MOOR PARK ROAD	Polypropylene	13.57
2	POINT A	FMH01	25/03/2024	28 MOOR PARK ROAD	Polypropylene	0.64
3	FMH01	FMH02	25/03/2024	28 MOOR PARK ROAD	Polypropylene	6.55
4	FMH02	FMH03	25/03/2024	28 MOOR PARK ROAD	Polypropylene	11.48
5	POINT A	SMH02	25/03/2024	28 MOOR PARK ROAD	Polypropylene	2.5
6	SMH02	SMH03	25/03/2024	28 MOOR PARK ROAD	Polypropylene	9.64
7	POINT A	FMH04	25/03/2024	28 MOOR PARK ROAD	Polypropylene	0.86
8	FMH04	FMH05	25/03/2024	28 MOOR PARK ROAD	Polypropylene	4.19
9	FMH05	FMH03	25/03/2024	28 MOOR PARK ROAD	Polypropylene	7.43
10	POINT A	FMH05	25/03/2024	28 MOOR PARK ROAD	Polypropylene	0.52
11	POINT A	FMH03	25/03/2024	28 MOOR PARK ROAD	Polypropylene	8.38
12	FMH03	FMH06	25/03/2024	28 MOOR PARK ROAD	Polypropylene	8.62
13	FMH06	MAINS	25/03/2024	28 MOOR PARK ROAD	Polypropylene	7.24
14	POINT A	SMH03	25/03/2024	28 MOOR PARK ROAD	Polypropylene	3.79
15	POINT B	SMH03	25/03/2024	28 MOOR PARK ROAD	Polypropylene	7.55
16	SMH03	MAINS	25/03/2024	28 MOOR PARK ROAD	Polypropylene	18.14







Pipe size: 100 = 111.1m







All sections = 111.1m

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
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This sketch is not to scale and does not represent the exact routing of the drainage system



Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
 <p>Manhole / Access Point: SMH01 Internal</p>		 <p>Manhole / Access Point: SMH01 Location</p>	
 <p>Manhole / Access Point: FMH01 Location</p>		 <p>Manhole / Access Point: FMH02 Location</p>	
 <p>Manhole / Access Point: SMH02 Location</p>		 <p>Manhole / Access Point: FMH04 Location</p>	

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
 <p>Manhole / Access Point: FMH05 Location</p>		 <p>Manhole / Access Point: FMH03 Location</p>	
 <p>Manhole / Access Point: FMH06 Location</p>		 <p>Manhole / Access Point: SMH03 Location</p>	
 <p>Manhole / Access Point: FMH01 Internal</p>		 <p>Manhole / Access Point: FMH02 Internal</p>	

Job Number
919711

Surveyed by (Operator)
MR MARTIN DOLLING

Base Unit
XGFC6NDUIN

Date
25/03/2024



Manhole / Access Point: SMH02 Internal



Manhole / Access Point: FMH04 Internal



Manhole / Access Point: FMH05 Internal



Manhole / Access Point: SMH03 Internal



Manhole / Access Point: FMH03 Internal



Manhole / Access Point: FMH06 Internal

Surveyed by (Operator) MR MARTIN DOLLING	Job Number 919711	Pipe Length Reference(PLR) SMH01 X	Date 25/03/2024	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit XGFC6NDUIN	Section Number 1

Road 28 MOOR PARK ROAD Place NORTHWOOD Location HA6 2DJ	Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details
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Shape/Size 100mm Material Polypropylene Duty Surface water	Start MH SMH01 End MH SMH02 Total length 13.57 metres
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Scale 1:0.71 Direction Downstream
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Start Node Ref:SMH01 | I/L : metres | Depth: .38 metres

Position	Code	Description	Photo	Type/Grade
0.00	IC	Start node type, inspection chamber, reference SMH01	9431838	Comment / 0
0.00	WL	Water level 0% height/diameter	9431839	Comment / 0
1.74	JN	Junction at 9 o'clock, diameter 100mm - Remark: RDP01	9431840	Comment / 0
8.55	JN	Junction at 10 o'clock, diameter 100mm - Remark: RDP02	9431841	Comment / 0
13.57	MHF	Finish node type, manhole, reference SMH02	9431842	Comment / 0

End Node Ref:SMH02 | I/L : metres

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
 <p>SMH01 Location</p>		 <p>SMH01 Internal</p>	
 <p>0.02 M</p> <p>Start node type, inspection chamber, reference SMH01</p>		 <p>0.02 M</p> <p>Water level 0% height/diameter</p>	
<p>From: SMH01 / To: SMH02 Size: 100mm</p>  <p>1.74 M</p> <p>Junction at 9 o'clock, diameter 100mm - Remark: RDP01</p>		<p>From: SMH01 / To: SMH02 Size: 100mm</p>  <p>8.55 M</p> <p>Junction at 10 o'clock, diameter 100mm - Remark: RDP02</p>	

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
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Finish node type, manhole, reference SMH02



SMH02 Internal



SMH02 Location

Surveyed by (Operator) MR MARTIN DOLLING	Job Number 919711	Pipe Length Reference(PLR) POINT A X	Date 25/03/2024	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit XGFC6NDUIN	Section Number 2

Road 28 MOOR PARK ROAD Place NORTHWOOD Location HA6 2DJ	Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details
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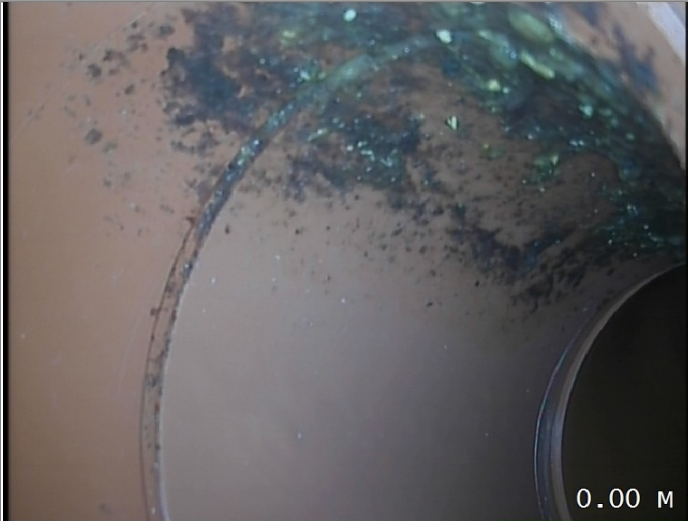

Shape/Size 100mm Material Polypropylene Duty Foul	Start MH FMH01 End MH POINT A Total length 0.64 metres
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Scale 1:0.03 Direction Upstream
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Start Node Ref:FMH01 | I/L : metres | Depth: .4 metres

Position	Code	Description	Photo	Type/Grade
0.00	IC	Start node type, inspection chamber, reference FMH01	9431843	Comment / 0
0.00	WL	Water level 0% height/diameter	9431844	Comment / 0
0.38	LR	Line of drain/sewer deviates right	9431845	Comment / 0
0.64	LU	Line of drain/sewer deviates up	9431846	Comment / 0
0.64	BRF	Finish node type, major connection without manhole, reference POINT A	9431847	Comment / 0

End Node Ref:POINT A | I/L : metres

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
 <p>FMH01 Location</p>		 <p>FMH01 Internal</p>	
 <p>Start node type, inspection chamber, reference FMH01</p>		 <p>Water level 0% height/diameter</p>	
<p>From: FMH01 / To: POINT A Size: 100mm</p>  <p>Line of drain/sewer deviates right</p>		<p>From: FMH01 / To: POINT A Size: 100mm</p>  <p>Line of drain/sewer deviates up</p>	

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
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Finish node type, major connection without manhole, reference POINT A

Surveyed by (Operator) MR MARTIN DOLLING	Job Number 919711	Pipe Length Reference(PLR) FMH01 X	Date 25/03/2024	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit XGFC6NDUIN	Section Number 3
Road 28 MOOR PARK ROAD Place NORTHWOOD Location HA6 2DJ		Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details		
Shape/Size 100mm Material Polypropylene Duty Foul		Start MH FMH01 End MH FMH02 Total length 6.55 metres		
Scale 1:0.34 Direction Downstream				

Start Node Ref:FMH01 | I/L : metres | Depth: .4 metres

Position	Code	Description	Photo	Type/Grade
0.00	IC	Start node type, inspection chamber, reference FMH01	9431848	Comment / 0
0.00	WL	Water level 0% height/diameter	9431849	Comment / 0
				
6.55	ICF	Finish node type, inspection chamber, reference FMH02	9431850	Comment / 0

End Node Ref:FMH02 | I/L : metres

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
 <p>FMH01 Location</p>		 <p>FMH01 Internal</p>	
 <p>0.00 M</p> <p>Start node type, inspection chamber, reference FMH01</p>		 <p>0.00 M</p> <p>Water level 0% height/diameter</p>	
<p>From: FMH01 / To: FMH02 Size: 100mm</p>  <p>6.55 M</p> <p>Finish node type, inspection chamber, reference FMH02</p>		 <p>FMH02 Internal</p>	

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
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FMH02 Location

Surveyed by (Operator) MR MARTIN DOLLING	Job Number 919711	Pipe Length Reference(PLR) FMH02 X	Date 25/03/2024	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit XGFC6NDUIN	Section Number 4

Road 28 MOOR PARK ROAD Place NORTHWOOD Location HA6 2DJ	Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details
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Shape/Size 100mm Material Polypropylene Duty Foul	Start MH FMH02 End MH FMH03 Total length 11.48 metres
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Scale 1:0.60 Direction Downstream
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Start Node Ref:FMH02 | I/L : metres | Depth: .5 metres

Position	Code	Description	Photo	Type/Grade
0.00	IC	Start node type, inspection chamber, reference FMH02	9431851	Comment / 0
0.00	WL	Water level 0% height/diameter	9431852	Comment / 0
				
11.48	ICF	Finish node type, inspection chamber, reference FMH03	9431853	Comment / 0

End Node Ref:FMH03 | I/L : metres

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
 <p>FMH02 Location</p>		 <p>FMH02 Internal</p>	
 <p>Start node type, inspection chamber, reference FMH02</p>		 <p>Water level 0% height/diameter</p>	
<p>From: FMH02 / To: FMH03 Size: 100mm</p>  <p>Finish node type, inspection chamber, reference FMH03</p>		 <p>FMH03 Internal</p>	

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
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FMH03 Location

Surveyed by (Operator) MR MARTIN DOLLING	Job Number 919711	Pipe Length Reference(PLR) POINT A X	Date 25/03/2024	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 4/0	Base Unit XGFC6NDUIN	Section Number 5

Road 28 MOOR PARK ROAD Place NORTHWOOD Location HA6 2DJ	Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details
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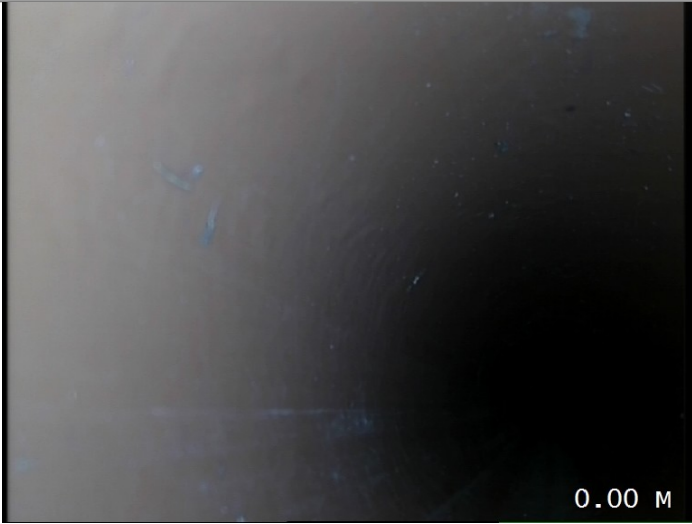
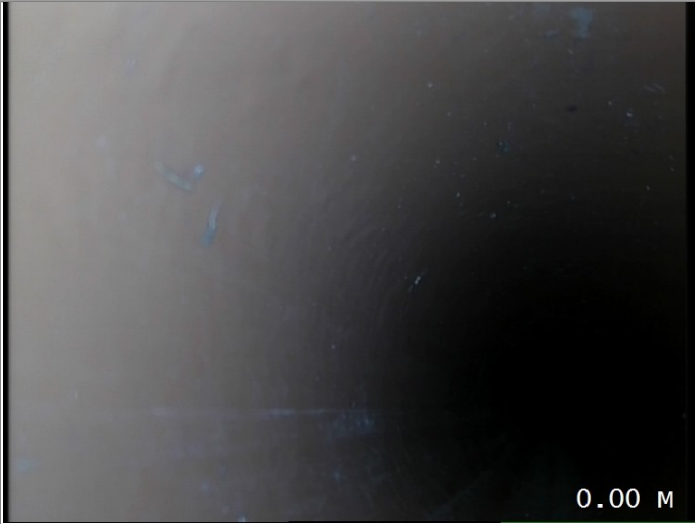
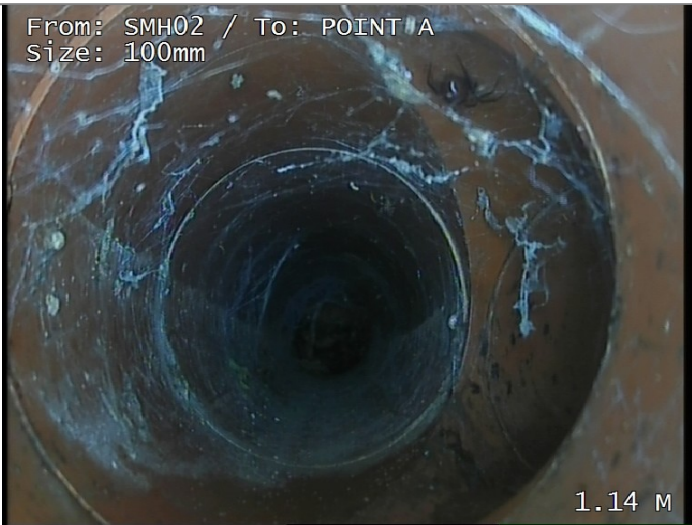

Shape/Size 100mm Material Polypropylene Duty Surface water	Start MH SMH02 End MH POINT A Total length 2.5 metres
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Scale 1:0.13 Direction Upstream
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Start Node Ref:SMH02 | I/L : metres | Depth: .4 metres

Position	Code	Description	Photo	Type/Grade
0.00	IC	Start node type, inspection chamber, reference SMH02	9431854	Comment / 0
0.00	WL	Water level 0% height/diameter	9431855	Comment / 0
1.14	JN	Junction at 2 o'clock, diameter 100mm	9431856	Comment / 0
2.10	DES	Settled deposits fine 50% cross-sectional area loss - Remark: LEAVES	9431857	Service / 4
2.50	BRF	Finish node type, major connection without manhole, reference POINT A	9431858	Comment / 0
2.50	BRF	Finish node type, major connection without manhole, reference POINT A ECO	9431859	Comment / 0

End Node Ref:POINT A | I/L : metres

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
 <p>SMH02 Location</p>		 <p>SMH02 Internal</p>	
 <p>0.00 M</p> <p>Start node type, inspection chamber, reference SMH02</p>		 <p>0.00 M</p> <p>Water level 0% height/diameter</p>	
<p>From: SMH02 / To: POINT A Size: 100mm</p>  <p>1.14 M</p> <p>Junction at 2 o'clock, diameter 100mm</p>		<p>From: SMH02 / To: POINT A Size: 100mm</p>  <p>2.10 M</p> <p>Settled deposits fine 50% cross-sectional area loss - Remark: LEAVES</p>	

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
<p>From: SMH02 / To: POINT A Size: 100mm</p>  <p>2.50 M</p> <p>Finish node type, major connection without manhole, reference POINT A</p>		<p>From: SMH02 / To: POINT A Size: 100mm</p>  <p>2.50 M</p> <p>Finish node type, major connection without manhole, reference POINT A ECO</p>	

Surveyed by (Operator) MR MARTIN DOLLING	Job Number 919711	Pipe Length Reference(PLR) SMH02 X	Date 25/03/2024	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 4/0	Base Unit XGFC6NDUIN	Section Number 6


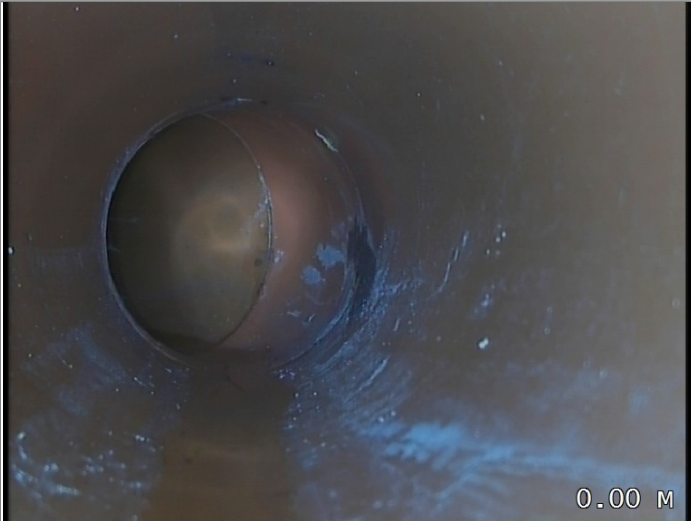

Road 28 MOOR PARK ROAD Place NORTHWOOD Location HA6 2DJ	Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details
Shape/Size 100mm Material Polypropylene Duty Surface water	Start MH SMH02 End MH SMH03 Total length 9.64 metres


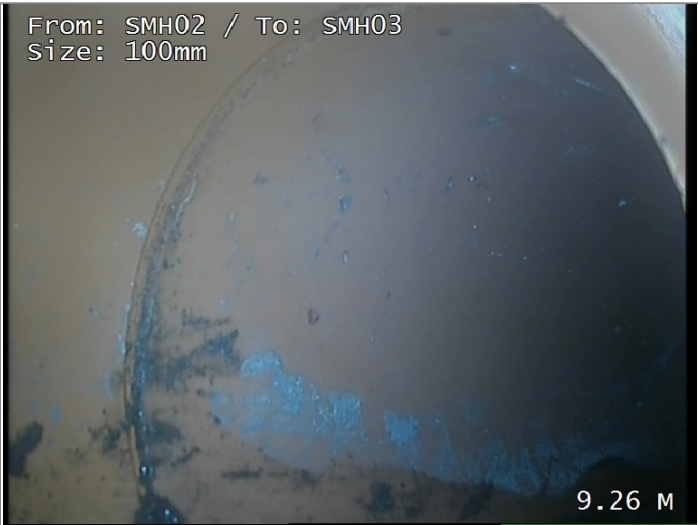



Scale 1:0.51 Direction Downstream
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Start Node Ref:SMH02 | I/L : metres | Depth: .4 metres

Position	Code	Description	Photo	Type/Grade
0.00	IC	Start node type, inspection chamber, reference SMH02	9431860	Comment / 0
0.00	WL	Water level 0% height/diameter	9431861	Comment / 0
0.00	LL	Line of drain/sewer deviates left	9431862	Comment / 0
2.67	JN	Junction at 12 o'clock, diameter 100mm - Remark: RODDING EYE	9431863	Comment / 0
5.33	DER (S01)	Settled deposits coarse 25% cross-sectional area loss, Start	9431864	Service / 4
9.26	LR	Line of drain/sewer deviates right	9431866	Comment / 0
9.64	GYF	Finish node type, gully, reference SMH03	9431867	Comment / 0

End Node Ref:SMH03 | I/L : metres

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
 <p>SMH02 Location</p>		 <p>SMH02 Internal</p>	
 <p>0.00 M</p> <p>Start node type, inspection chamber, reference SMH02</p>		 <p>0.00 M</p> <p>Water level 0% height/diameter</p>	
<p>From: SMH02 / To: SMH03 Size: 100mm</p>  <p>0.00 M</p> <p>Line of drain/sewer deviates left</p>		<p>From: SMH02 / To: SMH03 Size: 100mm</p>  <p>2.67 M</p> <p>Junction at 12 o'clock, diameter 100mm - Remark: RODDING EYE</p>	


Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
<p>From: SMH02 / To: SMH03 Size: 100mm</p>  <p>5.33 M</p> <p>Settled deposits coarse 25% cross-sectional area loss, Start</p>		<p>From: SMH02 / To: SMH03 Size: 100mm</p>  <p>9.26 M</p> <p>Line of drain/sewer deviates right</p>	
<p>From: SMH02 / To: SMH03 Size: 100mm</p>  <p>9.64 M</p> <p>Finish node type, gully, reference SMH03</p>		 <p>SMH03 Internal</p>	
 <p>SMH03 Location</p>			

Surveyed by (Operator) MR MARTIN DOLLING	Job Number 919711	Pipe Length Reference(PLR) POINT A X	Date 25/03/2024	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit XGFC6NDUIN	Section Number 7



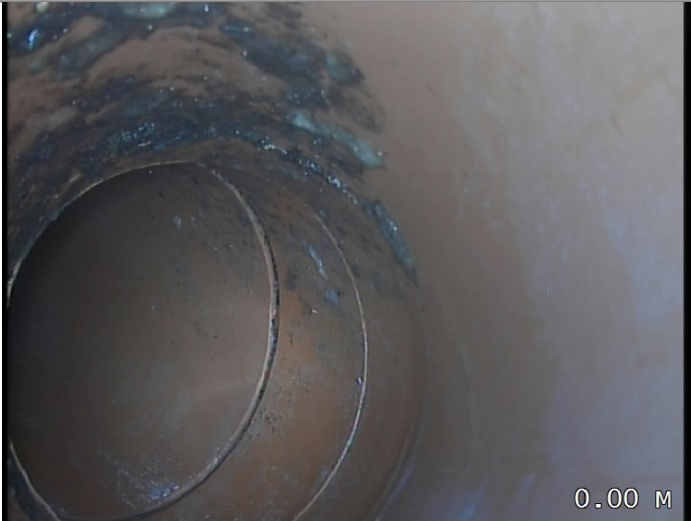
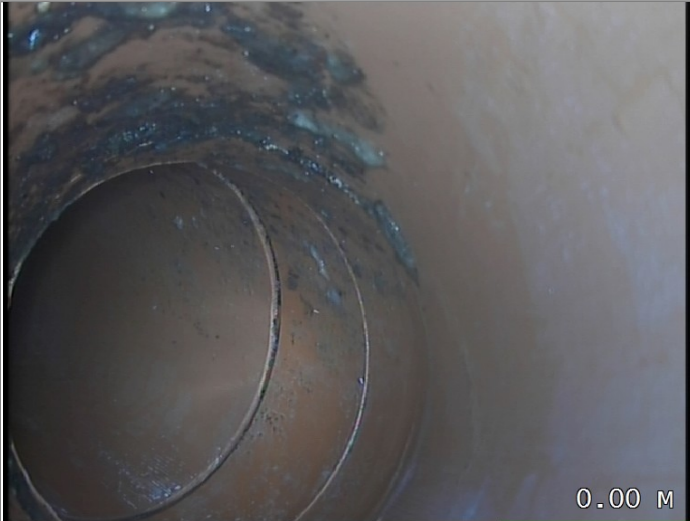


Road 28 MOOR PARK ROAD Place NORTHWOOD Location HA6 2DJ	Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details
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Shape/Size 100mm Material Polypropylene Duty Foul	Start MH FMH04 End MH POINT A Total length 0.86 metres
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Scale 1:0.05 Direction Upstream
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Start Node Ref:FMH04 I/L : metres Depth: .4 metres					Photo	Type/Grade
Position	Code	Description				
	0.00	IC	Start node type, inspection chamber, reference FMH04	9431868	Comment / 0	
	0.00	WL	Water level 0% height/diameter	9431869	Comment / 0	
	0.05	LL	Line of drain/sewer deviates left	9431870	Comment / 0	
	0.40	LU	Line of drain/sewer deviates up	9431871	Comment / 0	
	0.86	BRF	Finish node type, major connection without manhole, reference POINT A	9431872	Comment / 0	
End Node Ref:POINT A I/L : metres						

End Node Ref:POINT A | I/L : metres

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
 <p>FMH04 Location</p>		 <p>FMH04 Internal</p>	
 <p>0.00 M</p> <p>Start node type, inspection chamber, reference FMH04</p>		 <p>0.00 M</p> <p>Water level 0% height/diameter</p>	
<p>From: FMH04 / To: POINT A Size: 100mm</p>  <p>0.05 M</p> <p>Line of drain/sewer deviates left</p>		<p>From: FMH04 / To: POINT A Size: 100mm</p>  <p>0.40 M</p> <p>Line of drain/sewer deviates up</p>	

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
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Finish node type, major connection without manhole, reference POINT A

Surveyed by (Operator) MR MARTIN DOLLING	Job Number 919711	Pipe Length Reference(PLR) FMH04 X	Date 25/03/2024	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit XGFC6NDUIN	Section Number 8

Road **28 MOOR PARK ROAD**
Place **NORTHWOOD**
Location **HA6 2DJ**

Ground Surface **Concrete**
Code List **Drain and Sewer Codes (5th Edition)**
Location Details

Shape/Size **100mm**
Material **Polypropylene**
Duty **Foul**

Start MH **FMH04**
End MH **FMH05**
Total length **4.19 metres**



Scale **1:0.22**
Direction **Downstream**

Start Node Ref:FMH04 | I/L : metres | Depth: .4 metres

Position	Code	Description	Photo	Type/Grade
0.00	IC	Start node type, inspection chamber, reference FMH04	9431873	Comment / 0
0.00	WL	Water level 0% height/diameter	9431874	Comment / 0
0.98	JN	Junction at 2 o'clock, diameter 100mm - Remark: GULLY01	9431875	Comment / 0
4.19	ICF	Finish node type, inspection chamber, reference FMH05	9431876	Comment / 0

End Node Ref:FMH05 | I/L : metres

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
 <p>FMH04 Location</p>		 <p>FMH04 Internal</p>	
 <p>0.00 M</p> <p>Start node type, inspection chamber, reference FMH04</p>		 <p>0.00 M</p> <p>Water level 0% height/diameter</p>	
<p>From: FMH04 / To: FMH05 Size: 100mm</p>  <p>0.95 M</p> <p>Junction at 2 o'clock, diameter 100mm - Remark: GULLY01</p>		<p>From: FMH04 / To: FMH05 Size: 100mm</p>  <p>4.19 M</p> <p>Finish node type, inspection chamber, reference FMH05</p>	

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
			
FMH05 Internal		FMH05 Location	

Surveyed by (Operator) MR MARTIN DOLLING	Job Number 919711	Pipe Length Reference(PLR) FMH05 X	Date 25/03/2024	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit XGFC6NDUIN	Section Number 9

Road 28 MOOR PARK ROAD Place NORTHWOOD Location HA6 2DJ	Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details
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Shape/Size 100mm Material Polypropylene Duty Foul	Start MH FMH05 End MH FMH03 Total length 7.43 metres
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Scale 1:0.39 Direction Downstream
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Start Node Ref:FMH05 | I/L : metres | Depth: .45 metres

Position	Code	Description	Photo	Type/Grade
0.00	IC	Start node type, inspection chamber, reference FMH05	9431877	Comment / 0
0.00	WL	Water level 0% height/diameter	9431878	Comment / 0
4.55	LR	Line of drain/sewer deviates right	9431879	Comment / 0
5.36	JN	Junction at 3 o'clock, diameter 100mm	9431880	Comment / 0
5.36	LL	Line of drain/sewer deviates left	9431881	Comment / 0
7.43	ICF	Finish node type, inspection chamber, reference FMH03	9431882	Comment / 0

End Node Ref:FMH03 | I/L : metres

Job Number
919711

Surveyed by (Operator)
MR MARTIN DOLLING

Base Unit
XGFC6NDUIN

Date
25/03/2024



FMH05 Location



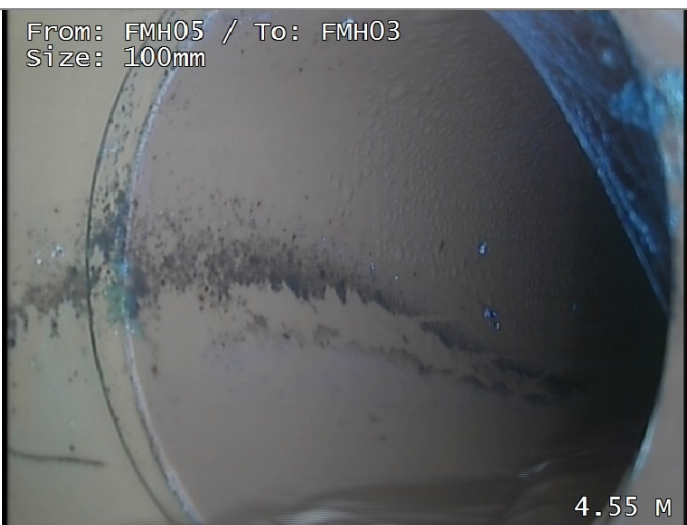
FMH05 Internal



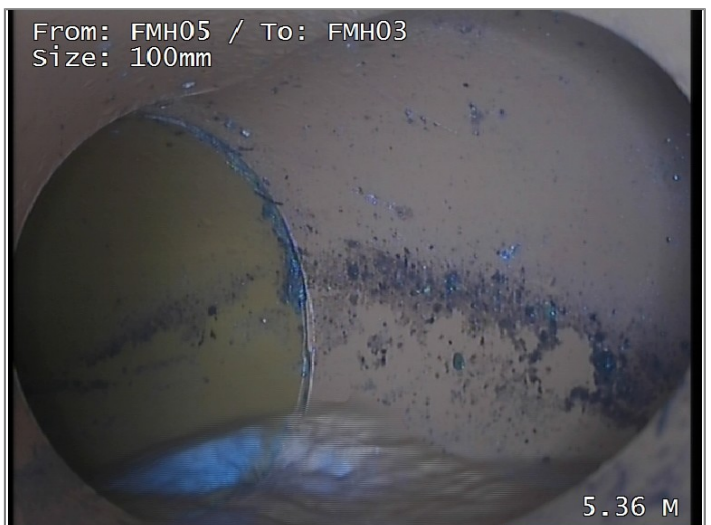
Start node type, inspection chamber, reference FMH05



Water level 0% height/diameter

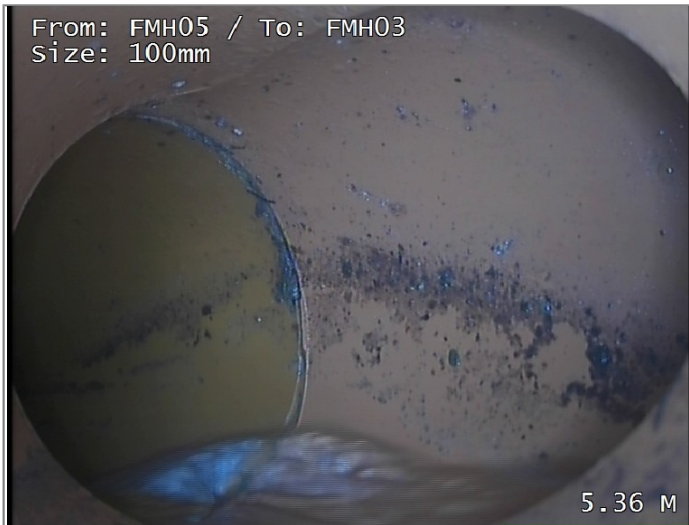


Line of drain/sewer deviates right



Junction at 3 o'clock, diameter 100mm

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
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Line of drain/sewer deviates left



Finish node type, inspection chamber, reference FMH03



FMH03 Internal



FMH03 Location

Surveyed by (Operator) MR MARTIN DOLLING	Job Number 919711	Pipe Length Reference(PLR) POINT A X	Date 25/03/2024	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit XGFC6NDUIN	Section Number 10

Road 28 MOOR PARK ROAD Place NORTHWOOD Location HA6 2DJ	Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details
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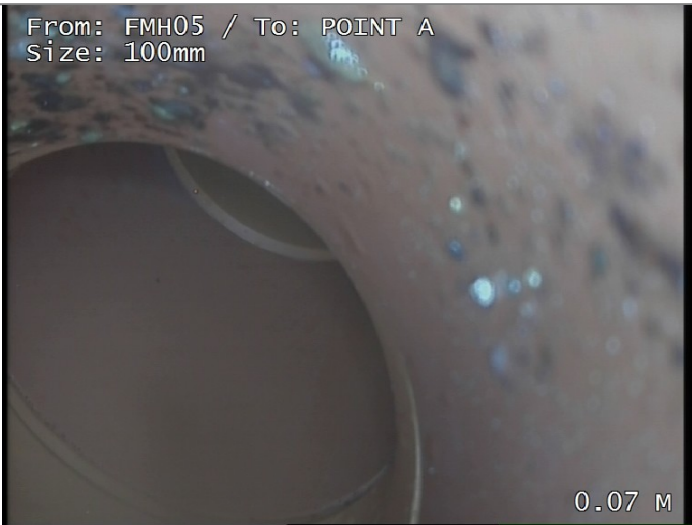
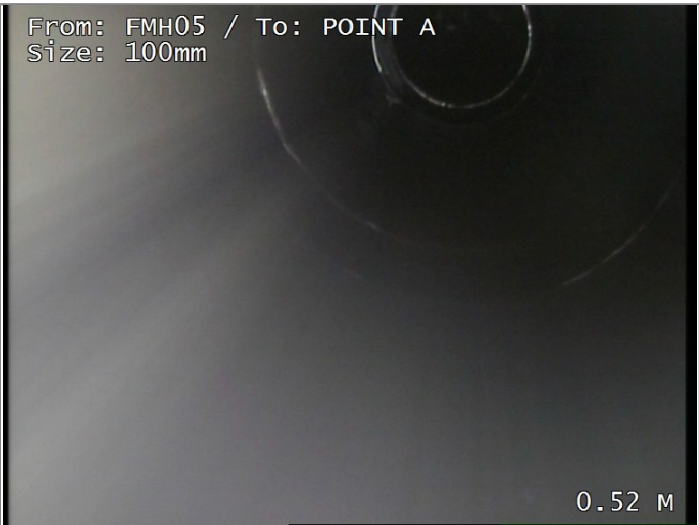
Shape/Size 100mm Material Polypropylene Duty Foul	Start MH FMH05 End MH POINT A Total length 0.52 metres
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Scale 1:0.03 Direction Upstream
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Start Node Ref:FMH05 | I/L : metres | Depth: .45 metres

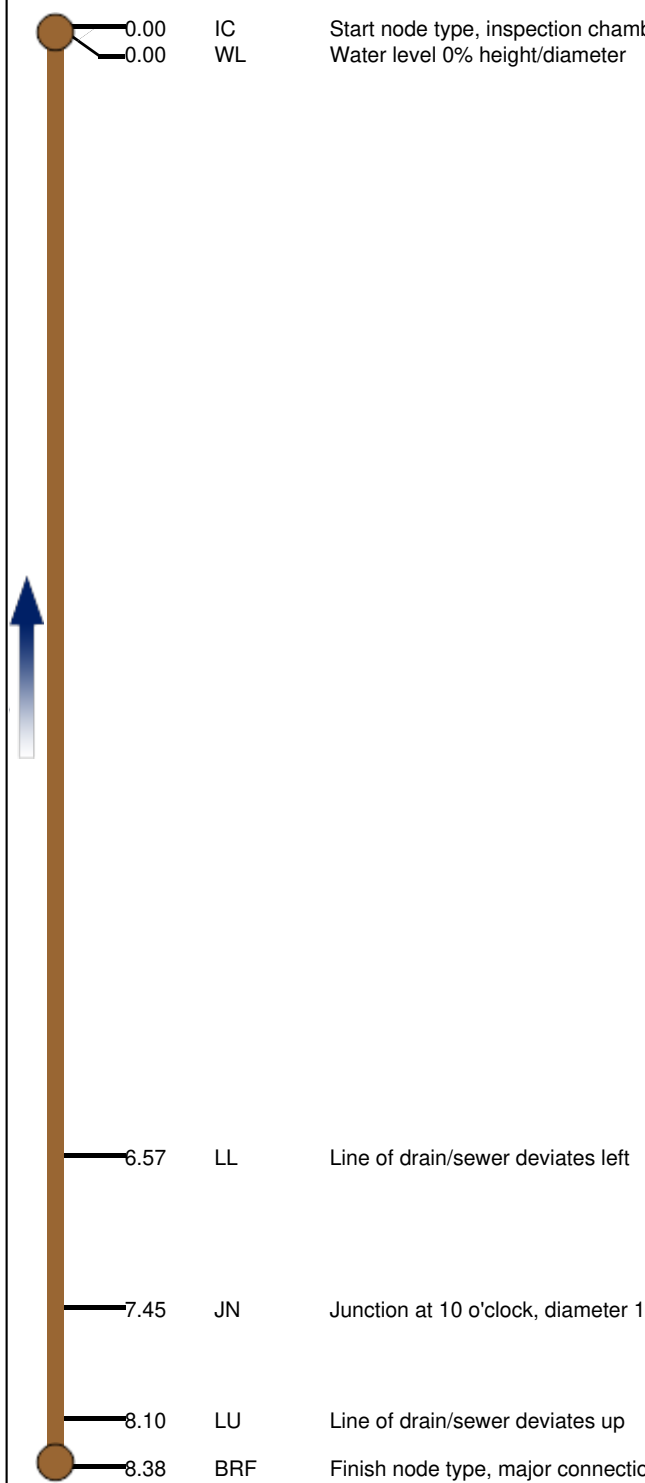
Position	Code	Description	Photo	Type/Grade
0.00	IC	Start node type, inspection chamber, reference FMH05	9431883	Comment / 0
0.00	WL	Water level 0% height/diameter	9431884	Comment / 0
0.07	LU	Line of drain/sewer deviates up	9431885	Comment / 0
0.52	BRF	Finish node type, major connection without manhole, reference POINT A	9431886	Comment / 0

End Node Ref:POINT A | I/L : metres



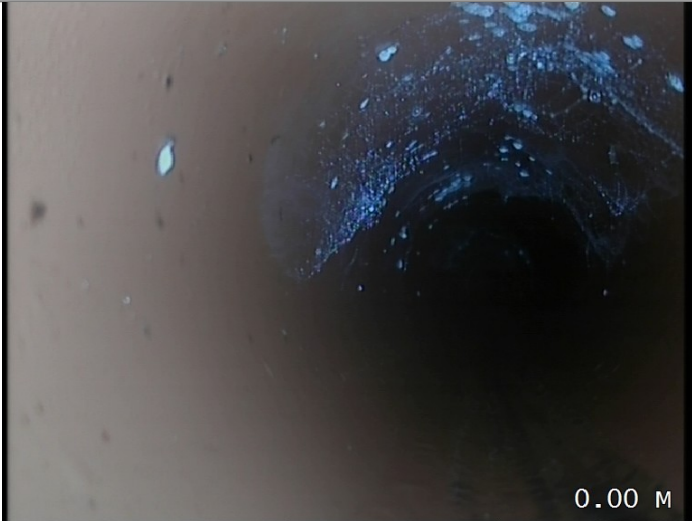
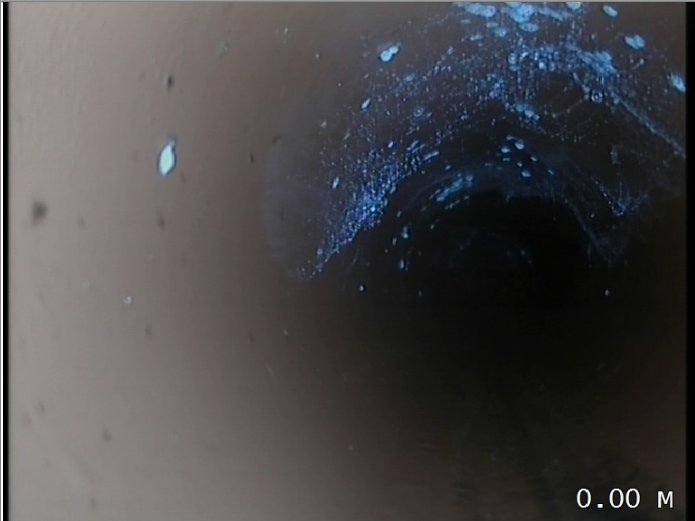

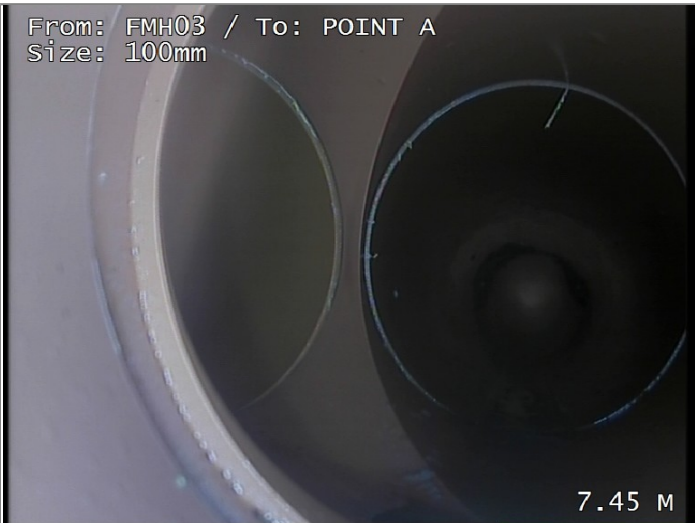
Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
 <p>FMH05 Location</p>		 <p>FMH05 Internal</p>	
 <p>Start node type, inspection chamber, reference FMH05</p>		 <p>Water level 0% height/diameter</p>	
<p>From: FMH05 / To: POINT A Size: 100mm</p>  <p>Line of drain/sewer deviates up</p>		<p>From: FMH05 / To: POINT A Size: 100mm</p>  <p>Finish node type, major connection without manhole, reference POINT A</p>	

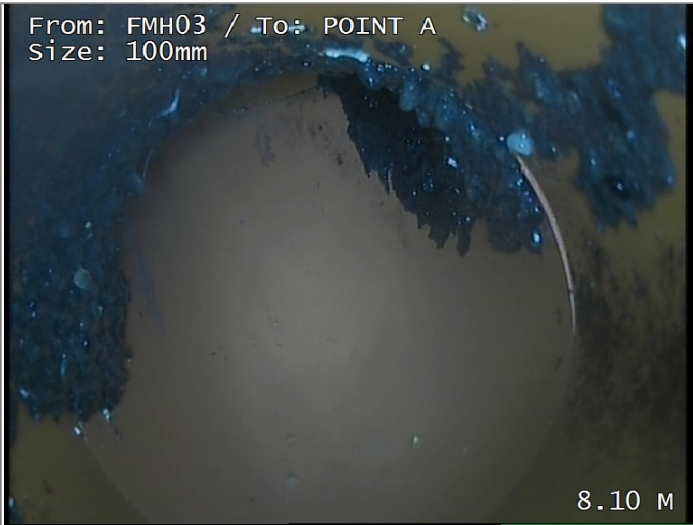
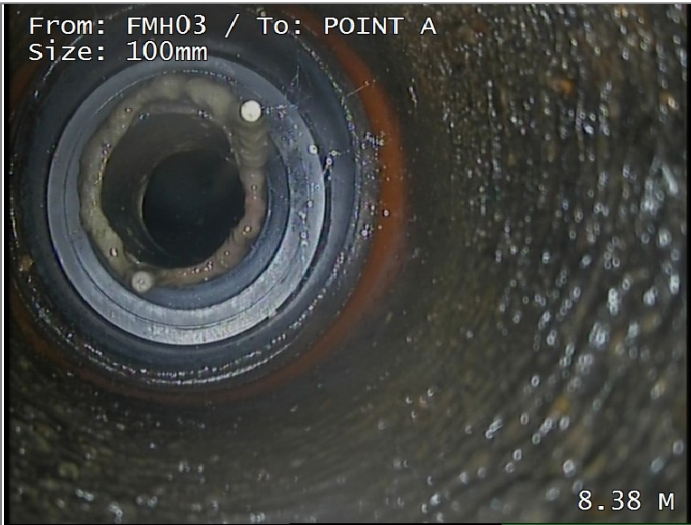
Surveyed by (Operator) MR MARTIN DOLLING	Job Number 919711	Pipe Length Reference(PLR) POINT A X	Date 25/03/2024	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit XGFC6NDUIN	Section Number 11
Road 28 MOOR PARK ROAD Place NORTHWOOD Location HA6 2DJ		Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details		
Shape/Size 100mm Material Polypropylene Duty Foul		Start MH FMH03 End MH POINT A Total length 8.38 metres		
Scale 1:0.44 Direction Upstream				

Start Node Ref:FMH03 | I/L : metres | Depth: .9 metres

Position	Code	Description	Photo	Type/Grade
0.00	IC	Start node type, inspection chamber, reference FMH03	9431887	Comment / 0
0.00	WL	Water level 0% height/diameter	9431889	Comment / 0
				
6.57	LL	Line of drain/sewer deviates left	9431890	Comment / 0
7.45	JN	Junction at 10 o'clock, diameter 100mm	9431891	Comment / 0
8.10	LU	Line of drain/sewer deviates up	9431892	Comment / 0
8.38	BRF	Finish node type, major connection without manhole, reference POINT A	9431893	Comment / 0

End Node Ref:POINT A | I/L : metres

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
 <p>FMH03 Location</p>		 <p>FMH03 Internal</p>	
 <p>0.00 M</p> <p>Start node type, inspection chamber, reference FMH03</p>		 <p>0.00 M</p> <p>Water level 0% height/diameter</p>	
<p>From: FMH03 / To: POINT A Size: 100mm</p>  <p>6.57 M</p> <p>Line of drain/sewer deviates left</p>		<p>From: FMH03 / To: POINT A Size: 100mm</p>  <p>7.45 M</p> <p>Junction at 10 o'clock, diameter 100mm</p>	

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
<p>From: FMH03 / To: POINT A Size: 100mm</p>  <p>8.10 M</p> <p>Line of drain/sewer deviates up</p>		<p>From: FMH03 / To: POINT A Size: 100mm</p>  <p>8.38 M</p> <p>Finish node type, major connection without manhole, reference POINT A</p>	






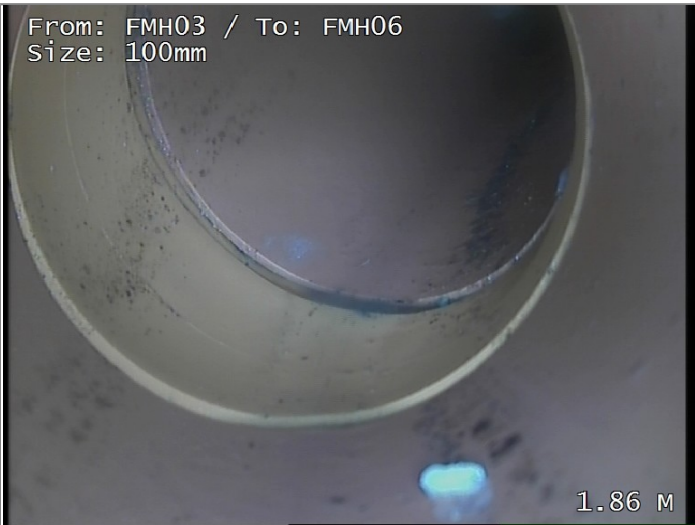
Surveyed by (Operator) MR MARTIN DOLLING	Job Number 919711	Pipe Length Reference(PLR) FMH03 X	Date 25/03/2024	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit XGFC6NDUIN	Section Number 12




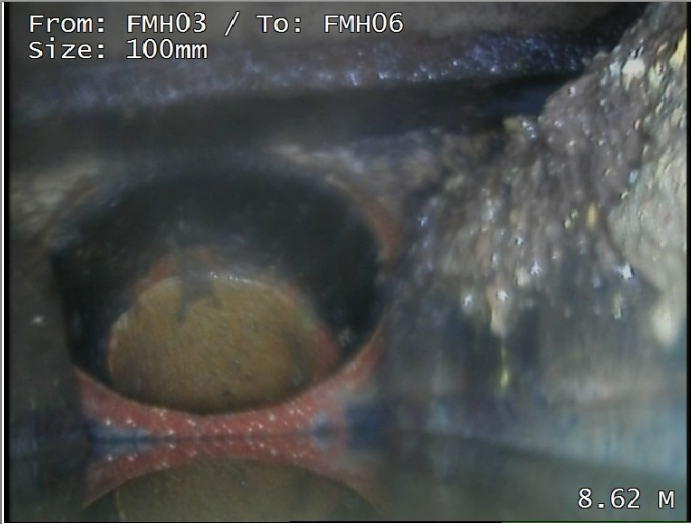
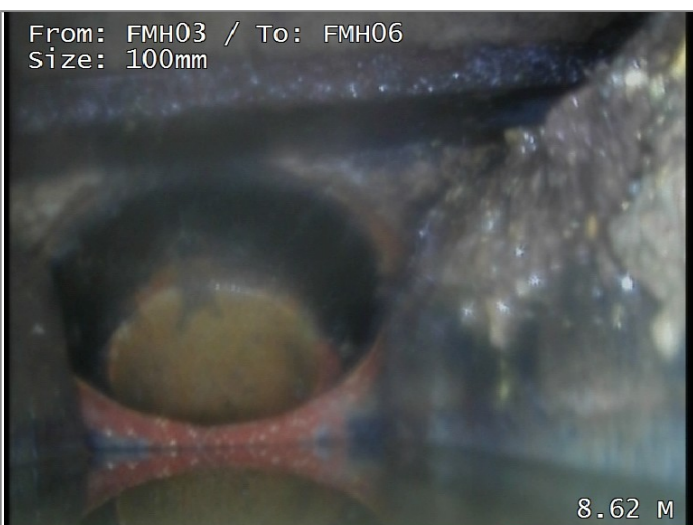

Road 28 MOOR PARK ROAD Place NORTHWOOD Location HA6 2DJ	Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details
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Shape/Size 100mm Material Polypropylene Duty Foul	Start MH FMH03 End MH FMH06 Total length 8.62 metres
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Scale 1:0.45 Direction Downstream
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Start Node Ref:FMH03 I/L : metres Depth: .9 metres				Photo	Type/Grade
Position	Code	Description			
0.00	IC	Start node type, inspection chamber, reference FMH03		9431894	Comment / 0
0.00	WL	Water level 0% height/diameter		9431895	Comment / 0
1.60	LD	Line of drain/sewer deviates down		9431896	Comment / 0
1.86	LU	Line of drain/sewer deviates up		9431897	Comment / 0
2.38	MCVC	Material of drain/sewer changes to vitrified clay at this point		9431898	Comment / 0
6.95	WLT	Turbid water level 25% height/diameter - Remark: CAUSE BY BLOCKED IC POSSIBLE CONCRETE		9431899	Comment / 0
7.17	WLT (S01)	Turbid water level 25% height/diameter, Start		9431900	Comment / 0
8.62	REM	BLOCKED IC POSSIBLE CONCRETE CANT CLEAR		9431901	Comment / 0
8.62	MHF	Finish node type, manhole, reference FMH06		9431902	Comment / 0
End Node Ref:FMH06 I/L : metres Depth: 2 metres					

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
 <p>FMH03 Location</p>		 <p>FMH03 Internal</p>	
 <p>Start node type, inspection chamber, reference FMH03</p>		 <p>Water level 0% height/diameter</p>	
<p>From: FMH03 / To: FMH06 Size: 100mm</p>  <p>Line of drain/sewer deviates down</p>		<p>From: FMH03 / To: FMH06 Size: 100mm</p>  <p>Line of drain/sewer deviates up</p>	

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
<p>From: FMH03 / To: FMH06 Size: 100mm</p>  <p>2.38 M</p> <p>Material of drain/sewer changes to vitrified clay at this point</p>		<p>From: FMH03 / To: FMH06 Size: 100mm</p>  <p>6.95 M</p> <p>Turbid water level 25% height/diameter - Remark: CAUSE BY BLOCKED IC POSSIBLE CONCRETE</p>	
<p>From: FMH03 / To: FMH06 Size: 100mm</p>  <p>7.17 M</p> <p>Turbid water level 25% height/diameter, Start</p>		<p>From: FMH03 / To: FMH06 Size: 100mm</p>  <p>8.62 M</p> <p>BLOCKED IC POSSIBLE CONCRETE CANT CLEAR</p>	
<p>From: FMH03 / To: FMH06 Size: 100mm</p>  <p>8.62 M</p> <p>Finish node type, manhole, reference FMH06</p>		 <p>FMH06 Internal</p>	

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
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FMH06 Location

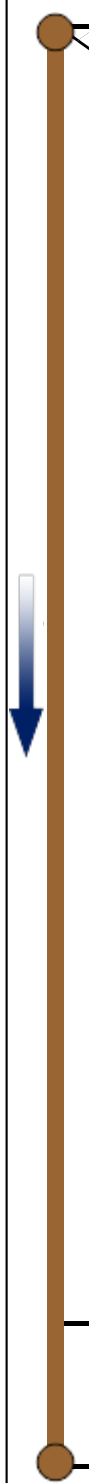
Surveyed by (Operator) MR MARTIN DOLLING	Job Number 919711	Pipe Length Reference(PLR) FMH06 X	Date 25/03/2024	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 4/0	Base Unit XGFC6NDUIN	Section Number 13

Road 28 MOOR PARK ROAD Place NORTHWOOD Location HA6 2DJ	Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details
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Shape/Size 100mm Material Polypropylene Duty Foul	Start MH FMH06 End MH MAINS Total length 7.24 metres
--	---

Scale 1:0.38 Direction Downstream
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Start Node Ref:FMH06 | I/L : metres | Depth: 2 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference FMH06	9431907	Comment / 0
0.00	WL	Water level 0% height/diameter	9431908	Comment / 0
				
6.52	DEE	Attached deposits, encrustation from 12 to 12 o'clock 30% cross-sectional area loss	9431909	Service / 4
7.24	BRF	Finish node type, major connection without manhole, reference MAINS	9431910	Comment / 0

End Node Ref:MAINS | I/L : metres

Job Number
919711

Surveyed by (Operator)
MR MARTIN DOLLING

Base Unit
XGFC6NDUIN

Date
25/03/2024



FMH06 Location



FMH06 Internal



Start node type, manhole, reference FMH06



Water level 0% height/diameter




Attached deposits, encrustation from 12 to 12 o'clock 30% cross-sectional area loss



Finish node type, major connection without manhole, reference MAINS


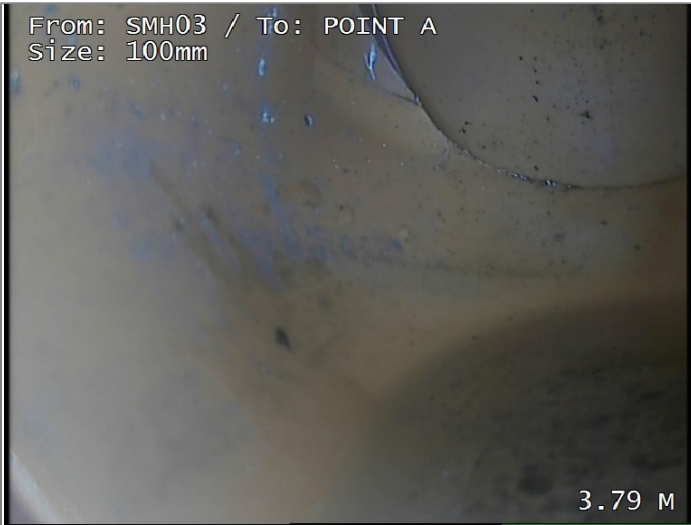
Surveyed by (Operator) MR MARTIN DOLLING	Job Number 919711	Pipe Length Reference(PLR) POINT A X	Date 25/03/2024	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit XGFC6NDUIN	Section Number 14
Road 28 MOOR PARK ROAD Place NORTHWOOD Location HA6 2DJ		Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details		
Shape/Size 100mm Material Polypropylene Duty Surface water		Start MH SMH03 End MH POINT A Total length 3.79 metres		
Scale 1:0.20 Direction Upstream				

Start Node Ref:SMH03 | I/L : metres | Depth: .8 metres

Position	Code	Description	Photo	Type/Grade
	0.00	IC	Start node type, inspection chamber, reference SMH03	9431911 Comment / 0
	0.00	WL	Water level 0% height/diameter	9431912 Comment / 0
	0.07	JN	Junction at 12 o'clock, diameter 100mm - Remark: RODDING EYE	9431913 Comment / 0
1.93	JN	Junction at 3 o'clock, diameter 100mm - Remark: ECO	9431914	Comment / 0
3.40	LL	Line of drain/sewer deviates left	9431915	Comment / 0
3.79	BRF	Finish node type, major connection without manhole, reference POINT A RDP03	9431916	Comment / 0

End Node Ref:POINT A | I/L : metres

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
 <p>SMH03 Location</p>		 <p>SMH03 Internal</p>	
 <p>-0.64 M</p> <p>Start node type, inspection chamber, reference SMH03</p>		 <p>-0.64 M</p> <p>Water level 0% height/diameter</p>	
<p>From: SMH03 / To: POINT A Size: 100mm</p>  <p>0.07 M</p> <p>Junction at 12 o'clock, diameter 100mm - Remark: RODDING EYE</p>		<p>From: SMH03 / To: POINT A Size: 100mm</p>  <p>1.93 M</p> <p>Junction at 3 o'clock, diameter 100mm - Remark: ECO</p>	

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
<p>From: SMH03 / To: POINT A Size: 100mm</p>  <p>3.40 M</p> <p>Line of drain/sewer deviates left</p>		<p>From: SMH03 / To: POINT A Size: 100mm</p>  <p>3.79 M</p> <p>Finish node type, major connection without manhole, reference POINT A RDP03</p>	

Surveyed by (Operator) MR MARTIN DOLLING	Job Number 919711	Pipe Length Reference(PLR) POINT B X	Date 25/03/2024	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit XGFC6NDUIN	Section Number 15

Road 28 MOOR PARK ROAD Place NORTHWOOD Location HA6 2DJ	Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details
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Shape/Size 100mm Material Polypropylene Duty Surface water	Start MH SMH03 End MH POINT B Total length 7.55 metres
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Scale 1:0.40 Direction Upstream
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Start Node Ref:SMH03 | I/L : metres | Depth: .8 metres

Position	Code	Description	Photo	Type/Grade
0.00	IC	Start node type, inspection chamber, reference SMH03	9431917	Comment / 0
0.00	WL	Water level 0% height/diameter	9431918	Comment / 0
0.19	LL	Line of drain/sewer deviates left	9431919	Comment / 0
4.50	LL	Line of drain/sewer deviates left	9431920	Comment / 0
6.50	JN	Junction at 3 o'clock, diameter 100mm - Remark: RDP06	9431921	Comment / 0
7.21	LU	Line of drain/sewer deviates up	9431922	Comment / 0
7.55	BRF	Finish node type, major connection without manhole, reference POINT B RDP05	9431923	Comment / 0

End Node Ref:POINT B | I/L : metres

Job Number
919711

Surveyed by (Operator)
MR MARTIN DOLLING

Base Unit
XGFC6NDUIN

Date
25/03/2024



SMH03 Location



SMH03 Internal



Start node type, inspection chamber, reference SMH03



Water level 0% height/diameter



Line of drain/sewer deviates left



Line of drain/sewer deviates left

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
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Junction at 3 o'clock, diameter 100mm - Remark: RDP06



Line of drain/sewer deviates up



Finish node type, major connection without manhole, reference POINT B RDP05

Surveyed by (Operator) MR MARTIN DOLLING	Job Number 919711	Pipe Length Reference(PLR) SMH03 X	Date 25/03/2024	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit XGFC6NDUIN	Section Number 16

Road 28 MOOR PARK ROAD Place NORTHWOOD Location HA6 2DJ	Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details
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Shape/Size 100mm Material Polypropylene Duty Surface water	Start MH SMH03 End MH MAINS Total length 18.14 metres
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Scale 1:0.95 Direction Downstream
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Start Node Ref:SMH03 | I/L : metres | Depth: .8 metres

Position	Code	Description	Photo	Type/Grade
0.00	IC	Start node type, inspection chamber, reference SMH03	9431924	Comment / 0
0.00	WL	Water level 0% height/diameter	9431925	Comment / 0
0.95	LD	Line of drain/sewer deviates down	9431926	Comment / 0
1.17	LU	Line of drain/sewer deviates up	9431927	Comment / 0
1.62	MCVC	Material of drain/sewer changes to vitrified clay at this point	9431928	Comment / 0
18.14	BRF	Finish node type, major connection without manhole, reference MAINS	9431929	Comment / 0

End Node Ref:MAINS | I/L : metres

Job Number
919711

Surveyed by (Operator)
MR MARTIN DOLLING

Base Unit
XGFC6NDUIN

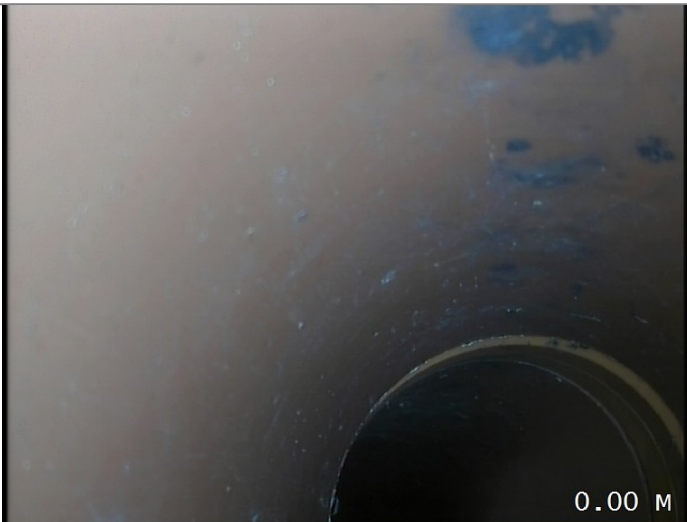
Date
25/03/2024



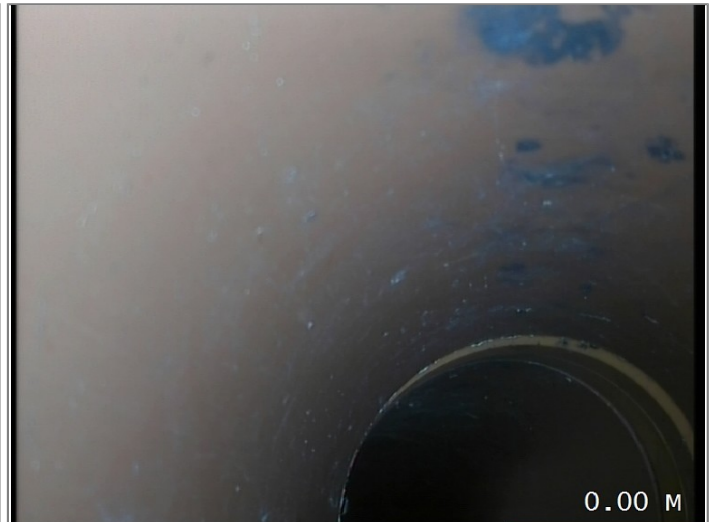
SMH03 Location



SMH03 Internal



Start node type, inspection chamber, reference SMH03





Water level 0% height/diameter



Line of drain/sewer deviates down



Line of drain/sewer deviates up

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
<p>From: SMH03 / To: MAINS Size: 100mm</p>  <p>1.62 M</p> <p>Material of drain/sewer changes to vitrified clay at this point</p>		<p>From: SMH03 / To: MAINS Size: 100mm</p>  <p>18.14 M</p> <p>Finish node type, major connection without manhole, reference MAINS</p>	

Structural Defects (SRM 4)

Job Number 919711				Surveyed by (Operator) MR MARTIN DOLLING		Base Unit XGFC6NDUIN			Date 25/03/2024				
No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
1	SMH01 X	D	S	100	25/03/2024	Polypropylene	13.57 metres	13.57		0	1	0	0
2	POINT A X	U	F	100	25/03/2024	Polypropylene	0.64 metres	0.64		0	1	0	0
3	FMH01 X	D	F	100	25/03/2024	Polypropylene	6.55 metres	6.55		0	1	0	0
4	FMH02 X	D	F	100	25/03/2024	Polypropylene	11.48 metres	11.48		0	1	0	0
5	POINT A X	U	S	100	25/03/2024	Polypropylene	2.5 metres	2.5		0	1	0	0
6	SMH02 X	D	S	100	25/03/2024	Polypropylene	9.64 metres	9.64		0	1	0	0
7	POINT A X	U	F	100	25/03/2024	Polypropylene	0.86 metres	0.86		0	1	0	0
8	FMH04 X	D	F	100	25/03/2024	Polypropylene	4.19 metres	4.19		0	1	0	0
9	FMH05 X	D	F	100	25/03/2024	Polypropylene	7.43 metres	7.43		0	1	0	0
10	POINT A X	U	F	100	25/03/2024	Polypropylene	0.52 metres	0.52		0	1	0	0
11	POINT A X	U	F	100	25/03/2024	Polypropylene	8.38 metres	8.38		0	1	0	0
12	FMH03 X	D	F	100	25/03/2024	Polypropylene	8.62 metres	8.62		0	1	0	0
13	FMH06 X	D	F	100	25/03/2024	Polypropylene	7.24 metres	7.24		0	1	0	0
14	POINT A X	U	S	100	25/03/2024	Polypropylene	3.79 metres	3.79		0	1	0	0
15	POINT B X	U	S	100	25/03/2024	Polypropylene	7.55 metres	7.55		0	1	0	0
16	SMH03 X	D	S	100	25/03/2024	Polypropylene	18.14 metres	18.14		0	1	0	0

Service Defects (SRM 4)

Job Number 919711				Surveyed by (Operator) MR MARTIN DOLLING		Base Unit XGFC6NDUIN			Date 25/03/2024				
No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
1	SMH01 X	D	S	100	25/03/2024	Polypropylene	13.57 metres	13.57		0	1	0	0
2	POINT A X	U	F	100	25/03/2024	Polypropylene	0.64 metres	0.64		0	1	0	0
3	FMH01 X	D	F	100	25/03/2024	Polypropylene	6.55 metres	6.55		0	1	0	0
4	FMH02 X	D	F	100	25/03/2024	Polypropylene	11.48 metres	11.48		0	1	0	0
5	POINT A X	U	S	100	25/03/2024	Polypropylene	2.5 metres	2.5		8	4	3.20	8
6	SMH02 X	D	S	100	25/03/2024	Polypropylene	9.64 metres	9.64		5	4	0.52	5
7	POINT A X	U	F	100	25/03/2024	Polypropylene	0.86 metres	0.86		0	1	0	0
8	FMH04 X	D	F	100	25/03/2024	Polypropylene	4.19 metres	4.19		0	1	0	0
9	FMH05 X	D	F	100	25/03/2024	Polypropylene	7.43 metres	7.43		0	1	0	0
10	POINT A X	U	F	100	25/03/2024	Polypropylene	0.52 metres	0.52		0	1	0	0
11	POINT A X	U	F	100	25/03/2024	Polypropylene	8.38 metres	8.38		0	1	0	0
12	FMH03 X	D	F	100	25/03/2024	Polypropylene	8.62 metres	8.62		0	1	0	0
13	FMH06 X	D	F	100	25/03/2024	Polypropylene	7.24 metres	7.24		5	4	0.69	5
14	POINT A X	U	S	100	25/03/2024	Polypropylene	3.79 metres	3.79		0	1	0	0
15	POINT B X	U	S	100	25/03/2024	Polypropylene	7.55 metres	7.55		0	1	0	0
16	SMH03 X	D	S	100	25/03/2024	Polypropylene	18.14 metres	18.14		0	1	0	0

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
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Job Information

Total Distance Surveyed: **111.1 meters**
Engineer: **MR MARTIN DOLLING**
Number of Surveys: **16**
Number of Surveys grade 4 or above: **0**

Section 1 Overview (25/03/2024)

Manholes: **SMH01 to SMH02**
Pipe Length: **13.57 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polypropylene**
Pipe Size: **100mm**
Use: **Surface water**

Section 2 Overview (25/03/2024)

Manholes: **FMH01 to POINT A**
Pipe Length: **0.64 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polypropylene**
Pipe Size: **100mm**
Use: **Foul**

Section 3 Overview (25/03/2024)

Manholes: **FMH01 to FMH02**
Pipe Length: **6.55 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polypropylene**
Pipe Size: **100mm**
Use: **Foul**

Section 4 Overview (25/03/2024)

Manholes: **FMH02 to FMH03**
Pipe Length: **11.48 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polypropylene**
Pipe Size: **100mm**
Use: **Foul**

Section 5 Overview (25/03/2024)

Manholes: **SMH02 to POINT A**
Pipe Length: **2.5 metres**
Structural Grade: **0**
Service Grade: **4**
Material: **Polypropylene**
Pipe Size: **100mm**
Use: **Surface water**

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
Section 6 Overview (25/03/2024) Manholes: SMH02 to SMH03 Pipe Length: 9.64 metres Structural Grade: 0 Service Grade: 4 Material: Polypropylene Pipe Size: 100mm Use: Surface water			
Section 7 Overview (25/03/2024) Manholes: FMH04 to POINT A Pipe Length: 0.86 metres Structural Grade: 0 Service Grade: 0 Material: Polypropylene Pipe Size: 100mm Use: Foul			
Section 8 Overview (25/03/2024) Manholes: FMH04 to FMH05 Pipe Length: 4.19 metres Structural Grade: 0 Service Grade: 0 Material: Polypropylene Pipe Size: 100mm Use: Foul			
Section 9 Overview (25/03/2024) Manholes: FMH05 to FMH03 Pipe Length: 7.43 metres Structural Grade: 0 Service Grade: 0 Material: Polypropylene Pipe Size: 100mm Use: Foul			
Section 10 Overview (25/03/2024) Manholes: FMH05 to POINT A Pipe Length: 0.52 metres Structural Grade: 0 Service Grade: 0 Material: Polypropylene Pipe Size: 100mm Use: Foul			
Section 11 Overview (25/03/2024) Manholes: FMH03 to POINT A Pipe Length: 8.38 metres Structural Grade: 0 Service Grade: 0 Material: Polypropylene Pipe Size: 100mm Use: Foul			

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
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Section 12 Overview (25/03/2024)

Manholes: **FMH03 to FMH06**
 Pipe Length: **8.62 metres**
 Structural Grade: **0**
 Service Grade: **0**
 Material: **Polypropylene**
 Pipe Size: **100mm**
 Use: **Foul**

Section 13 Overview (25/03/2024)

Manholes: **FMH06 to MAINS**
 Pipe Length: **7.24 metres**
 Structural Grade: **0**
 Service Grade: **4**
 Material: **Polypropylene**
 Pipe Size: **100mm**
 Use: **Foul**

Section 14 Overview (25/03/2024)

Manholes: **SMH03 to POINT A**
 Pipe Length: **3.79 metres**
 Structural Grade: **0**
 Service Grade: **0**
 Material: **Polypropylene**
 Pipe Size: **100mm**
 Use: **Surface water**

Section 15 Overview (25/03/2024)

Manholes: **SMH03 to POINT B**
 Pipe Length: **7.55 metres**
 Structural Grade: **0**
 Service Grade: **0**
 Material: **Polypropylene**
 Pipe Size: **100mm**
 Use: **Surface water**

Section 16 Overview (25/03/2024)

Manholes: **SMH03 to MAINS**
 Pipe Length: **18.14 metres**
 Structural Grade: **0**
 Service Grade: **0**
 Material: **Polypropylene**
 Pipe Size: **100mm**
 Use: **Surface water**

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
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STRUCTURAL DEFECTS

Grade 3; Best practice suggests consideration to be given to repair in the medium term.

Grade 4; Best practice suggests consideration to be given to repair to avoid potential collapse.

Grade 5; Best practice suggests this pipe is at risk of collapse at any time; urgent consideration should be given to repair to avoid collapse.

Structural Defects			
Section	PLR	Grade	Fault Description
No Structural Defects at Grade 3, 4 or 5 found on this survey.			

SERVICE / OPERATIONAL DEFECTS

Grade 3; Best practice suggests consideration to be given to maintenance activities in the medium term.

Grade 4; Best practice suggests consideration to be given to maintenance to avoid potential blockage.

Grade 5; Best practice suggests this pipe is at risk of backing up / causing flooding.

Service Defects			
Section	PLR	Grade	Fault Description
5	POINT A X	4	Settled deposits fine 50% cross-sectional area loss - Remark: LEAVES
6	SMH02 X	4	Settled deposits coarse 25% cross-sectional area loss, Start
13	FMH06 X	4	Attached deposits, encrustation from 12 to 12 o'clock 30% cross-sectional area loss

ABANDONED SURVEYS

Camera no access			
Section	PLR		Fault Description
All surveys completed.			

INFORMATION

These summaries are based on the SRM grading from the WRC

Job Number 919711	Surveyed by (Operator) MR MARTIN DOLLING	Base Unit XGFC6NDUIN	Date 25/03/2024
<p>1: Occurences without damage. For example, laterals, joints,etc.</p> <p>NO DEFECTS WERE DETECTED.</p>			
<p>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.</p> <p>REHABILITATION CAN BE SCHEDULED LONG-TERM.</p>			
<p>3: Constructional deficiencies diminishing static, hydraulic and tightness: Eg. unterched intakes, cracks, minor drainage obstructions such as calcite build ups, protruding laterals, minor damages to pipe wall, individual root penetrations, corroded pipe walls etc.</p> <p>REHABILITATION IS NECESSARY MEDIUM-TERM WITHIN 3 TO 5 YEARS.</p>			
<p>4: Constructional damages with insufficient 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.</p> <p>REHABILITATION PROCEDURE IS URGENT AND HAS TO BE COMPLETED WITHIN 1 TO 2 YEARS. NECESSITY FOR EMERGENCY OPERATIONS HAS TO BE EXAMINED.</p>			
<p>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.</p> <p>REHABILITATION IS URGENT AND SHORT-TERM. IN ORDER TO PREVENT FURTHER DAMAGE, NECESSARY TEMPORARY SPOT REPAIR HAS TO BE CONDUCTED ON EMERGENCY LEVEL.</p>			