



CCTV Inspection Report

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**WILLINGTON PARISH COUNCIL,
TWYFORD ROAD,
WILLINGTON.
DE65 6BN**

01/06/2023

Job Number: 01/06/23-EG

Aqua Jet Specialist Drainage Contractors Ltd

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Contents Page

Job Number 01/06/23-EG	Surveyed by (Operator) EG	Base Unit AMIXY75J2U	Date 01/06/2023
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Report Contents

Page 1 Cover Page

Page 2 Contents Page

Page 3 Site Drawings

Page 5 Site Photos

Page 7 Survey Run Sheet(Survey 1 - MH1 to A/MH1)

[View via iTouch Live](#) 

Page 9 Survey Run Sheet(Survey 2 - MH1 to B/MH1)

[View via iTouch Live](#) 

Page 11 Survey Run Sheet(Survey 3 - MH1 to MH2)

[View via iTouch Live](#) 

Page 13 Survey Run Sheet(Survey 4 - MH2 to A/MH2)

[View via iTouch Live](#) 

Page 16 Survey Run Sheet(Survey 5 - MH2 to MH4)

[View via iTouch Live](#) 

Page 21 Survey Run Sheet(Survey 6 - MH2 to MH3)

[View via iTouch Live](#) 

Page 24 Survey Run Sheet(Survey 7 - MH4 to A/MH4)

[View via iTouch Live](#) 

Page 27 Survey Run Sheet(Survey 8 - MH4 to STW SEWER)

[View via iTouch Live](#) 

Page 29 Defect Summary

Page 31 Grade Defect Descriptions

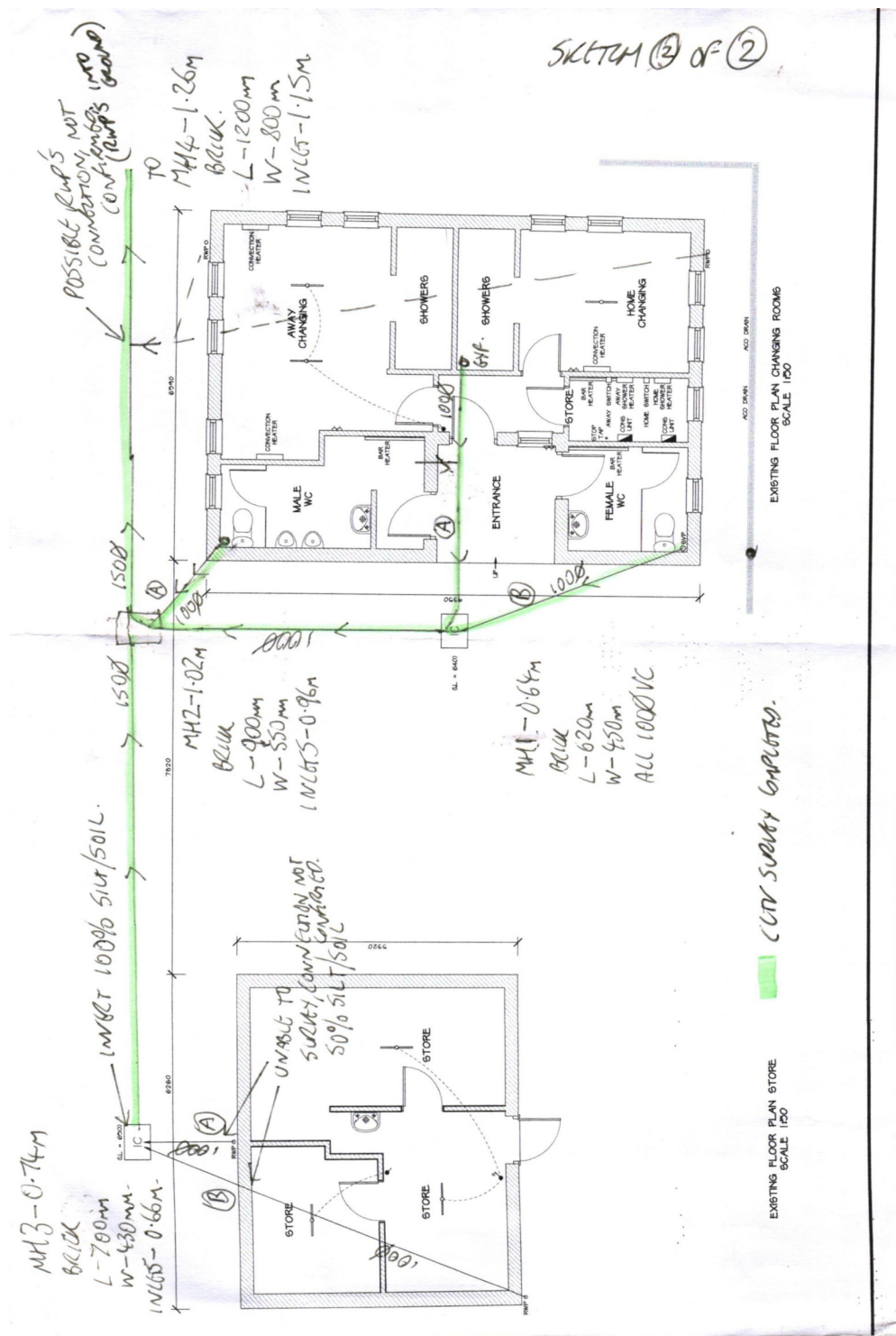
Job Number 01/06/23-EG	Surveyed by (Operator) EG	Base Unit AMIXY75J2U	Date 01/06/2023
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This sketch is not to scale and does not represent the exact routing of the drainage system



Job Number 01/06/23-EG	Surveyed by (Operator) EG	Base Unit AMIXY75J2U	Date 01/06/2023
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This sketch is not to scale and does not represent the exact routing of the drainage system



Job Number
01/06/23-EG

Surveyed by (Operator)
EG

Base Unit
AMIXY75J2U

Date
01/06/2023



Manhole / Access Point: MH1 Location



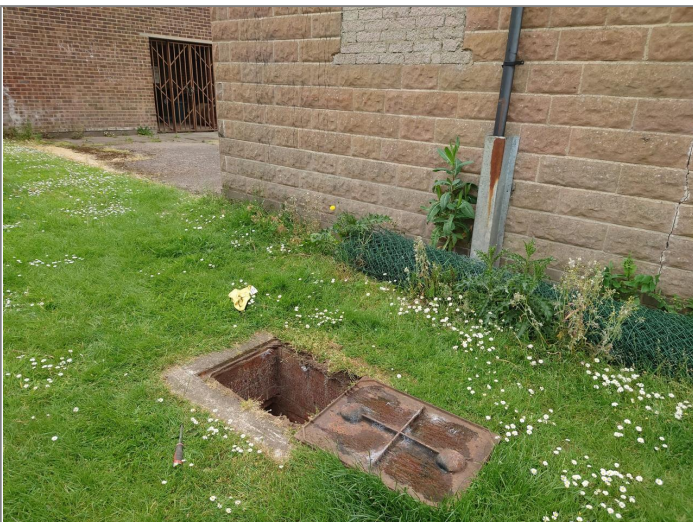
Manhole / Access Point: MH1 Internal



Manhole / Access Point: MH2 Location



Manhole / Access Point: MH2 Internal









Manhole / Access Point: MH3 Location



Manhole / Access Point: MH3 Internal

Site Photos

Job Number 01/06/23-EG	Surveyed by (Operator) EG	Base Unit AMIXY75J2U	Date 01/06/2023
 <p>Manhole / Access Point: MH4 Location</p>		 <p>Manhole / Access Point: MH4 Internal</p>	
 <p>Manhole / Access Point: MH2 Location</p>		 <p>Manhole / Access Point: MH2 Location</p>	
 <p>Manhole / Access Point: MH4 Location</p>		 <p>Other Site Photos:</p>	

CCTV Inspection Report

Surveyed by (Operator) EG	Job Number 01/06/23-EG	Pipe Length Reference(PLR) A/MH1 X	Date 01/06/2023	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/2	Base Unit AMIXY75J2U	Section Number 1

Road WILLINGTON PARISH COUNCIL, Place TWYFORD ROAD, Location WILLINGTON.	Division District Location Details
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Purpose Duty Combined Catchment	Shape/Size 100mm Material Vitrified clay Category	Start Node MH1 End Node A/MH1 Total length 4.57 metres
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Scale 1:0.24 Direction Upstream	View via iTouch Live 	Download 
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Start Node Ref:MH1 | I/L : metres | Depth: 0.64 metres

Position	Code	Description	Photo	Type/Grade	
	0.00	MH	Start node type, manhole, reference MH1	7972717	Comment / 0
	0.00	WL	Water level 0% height/diameter	7972718	Comment / 0
	0.07	LL	Line of drain/sewer deviates left	7972719	Comment / 0
	0.55	CC	Crack circumferential from 6 to 6 o'clock	7972721	Structural / 2
3.69	JN	Junction at 9 o'clock, diameter 100mm	7972722	Comment / 0	
4.57	GYF	Finish node type, gully, reference A/MH1	7972723	Comment / 0	

End Node Ref:A/MH1 | I/L : metres

Job Number
01/06/23-EG

Surveyed by (Operator)
EG

Base Unit
AMIXY75J2U

Date
01/06/2023



Start node type, manhole, reference MH1



Water level 0% height/diameter



Line of drain/sewer deviates left



Crack circumferential from 6 to 6 o'clock



Junction at 9 o'clock, diameter 100mm



Finish node type, gully, reference A/MH1

Surveyed by (Operator) EG	Job Number 01/06/23-EG	Pipe Length Reference(PLR) B/MH1 X	Date 01/06/2023	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 3/0	Base Unit AMIXY75J2U	Section Number 2

Road WILLINGTON PARISH COUNCIL, Place TWYFORD ROAD, Location WILLINGTON.	Division District Location Details
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Purpose Duty Combined Catchment	Shape/Size 100mm Material Vitrified clay Category	Start Node MH1 End Node B/MH1 Total length 4.31 metres
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Scale 1:0.23 Direction Upstream	View via iTouch Live Download
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Start Node Ref:MH1 | I/L : metres | Depth: 0.64 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MH1	7972724	Comment / 0
0.00	WL	Water level 0% height/diameter	7972725	Comment / 0
0.07	LL	Line of drain/sewer deviates left	7972726	Comment / 0
3.64	DER	Settled deposits coarse 10% cross-sectional area loss	7972727	Service / 3
3.64	LU	Line of drain/sewer deviates up	7972729	Comment / 0
4.31	OCF	Finish node type, other special chamber, reference B/MH1	7972731	Comment / 0

End Node Ref:B/MH1 | I/L : metres

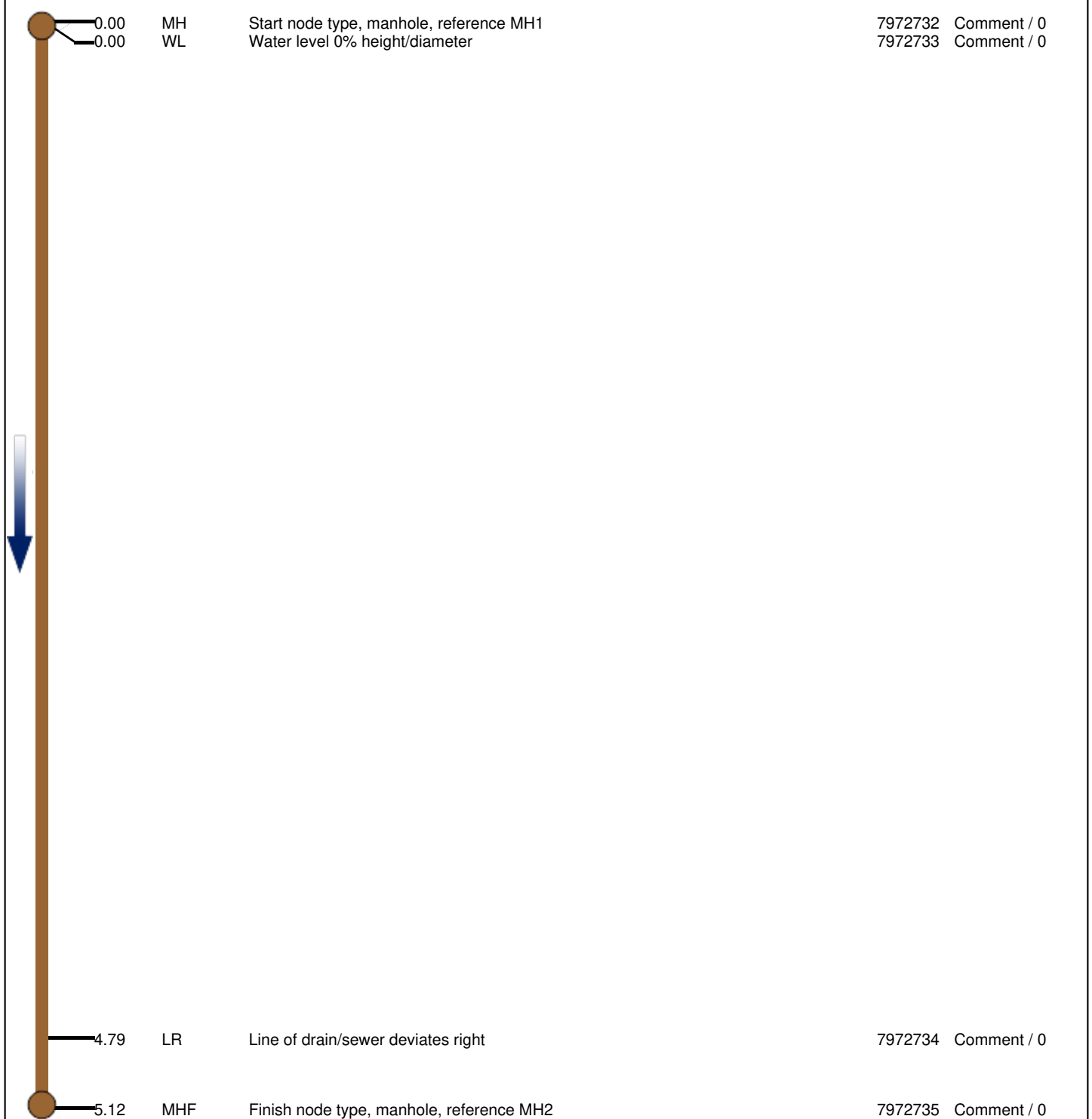
Job Number 01/06/23-EG	Surveyed by (Operator) EG	Base Unit AMIXY75J2U	Date 01/06/2023
 <p>0.00 M</p> <p>Start node type, manhole, reference MH1</p>			
 <p>0.00 M</p> <p>Water level 0% height/diameter</p>			
<p>From: MH1 / To: B/MH1 Size: 100mm</p>  <p>0.07 M</p> <p>Line of drain/ sewer deviates left</p>			
<p>From: MH1 / To: B/MH1 Size: 100mm</p>  <p>3.64 M</p> <p>Settled deposits coarse 10% cross-sectional area loss</p>			
<p>From: MH1 / To: B/MH1 Size: 100mm</p>  <p>3.64 M</p> <p>Line of drain/ sewer deviates up</p>			
<p>From: MH1 / To: B/MH1 Size: 100mm</p>  <p>4.31 M</p> <p>Finish node type, other special chamber, reference B/MH1</p>			





Surveyed by (Operator) EG	Job Number 01/06/23-EG	Pipe Length Reference(PLR) MH1 X	Date 01/06/2023	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit AMIXY75J2U	Section Number 3



Road WILLINGTON PARISH COUNCIL, Place TWYFORD ROAD, Location WILLINGTON.	Division District Location Details
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Purpose Duty Combined Catchment	Shape/Size 100mm Material Vitrified clay Category	Start Node MH1 End Node MH2 Total length 5.12 metres
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Scale 1:0.27 Direction Downstream	View via iTouch Live Download
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Start Node Ref:MH1 I/L : metres Depth: 0.64 metres				Photo	Type/Grade
Position	Code	Description			
0.00	MH	Start node type, manhole, reference MH1		7972732	Comment / 0
0.00	WL	Water level 0% height/diameter		7972733	Comment / 0
					
4.79	LR	Line of drain/sewer deviates right		7972734	Comment / 0
5.12	MHF	Finish node type, manhole, reference MH2		7972735	Comment / 0
End Node Ref:MH2 I/L : metres					







Job Number 01/06/23-EG	Surveyed by (Operator) EG	Base Unit AMIXY75J2U	Date 01/06/2023
 <p>0.00 M</p> <p>Start node type, manhole, reference MH1</p>			
 <p>0.00 M</p> <p>Water level 0% height/diameter</p>			
 <p>From: MH1 / To: MH2 Size: 100mm</p> <p>4.79 M</p> <p>Line of drain/sewer deviates right</p>			
 <p>From: MH1 / To: MH2 Size: 100mm</p> <p>5.12 M</p> <p>Finish node type, manhole, reference MH2</p>			

Surveyed by (Operator) EG	Job Number 01/06/23-EG	Pipe Length Reference(PLR) MH2 X	Date 01/06/2023	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/2	Base Unit AMIXY75J2U	Section Number 4
Road WILLINGTON PARISH COUNCIL, Place TWYFORD ROAD, Location WILLINGTON.		Division District Location Details		
Purpose Duty Combined Catchment	Shape/Size 100mm Material Vitrified clay Category		Start Node MH2 End Node A/MH2 Total length 2.29 metres	
Scale 1:0.12 Direction Downstream		View via iTouch Live  Download 		

Start Node Ref:MH2 | I/L : metres | Depth: 1.02 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MH2	7972736	Comment / 0
0.00	WL	Water level 0% height/diameter	7972737	Comment / 0
0.48	CC	Crack circumferential from 8 to 4 o'clock	7972738	Structural / 2
1.21	OJM	Open joint medium	7972740	Structural / 1
1.76	OJM	Open joint medium	7972741	Structural / 1
1.93	LU	Line of drain/sewer deviates up	7972753	Comment / 0
2.29	OCF	Finish node type, other special chamber, reference A/MH2	7972754	Comment / 0

End Node Ref:A/MH2 | I/L : metres

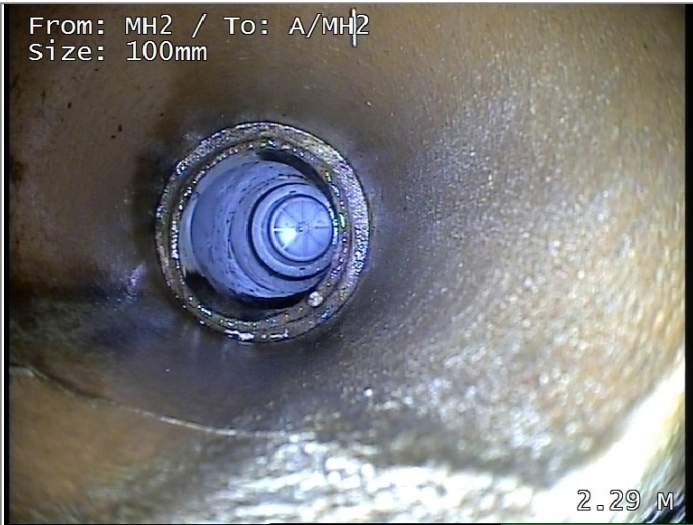
Job Number 01/06/23-EG	Surveyed by (Operator) EG	Base Unit AMIXY75J2U	Date 01/06/2023
 <p>0.00 M</p> <p>Start node type, manhole, reference MH2</p>			
 <p>0.00 M</p> <p>Water level 0% height/diameter</p>			
<p>From: MH2 / To: A/MH2 Size: 100mm</p>  <p>0.48 M</p> <p>Crack circumferential from 8 to 4 o'clock</p>			
<p>From: MH2 / To: A/MH2 Size: 100mm</p>  <p>1.21 M</p> <p>Open joint medium</p>			
<p>From: MH2 / To: A/MH2 Size: 100mm</p>  <p>1.76 M</p> <p>Open joint medium</p>			
<p>From: MH2 / To: A/MH2 Size: 100mm</p>  <p>1.93 M</p> <p>Line of drain/sewer deviates up</p>			

Job Number
01/06/23-EG

Surveyed by (Operator)
EG

Base Unit
AMIXY75J2U

Date
01/06/2023



Finish node type, other special chamber, reference A/MH2

CCTV Inspection Report

Surveyed by (Operator) EG	Job Number 01/06/23-EG	Pipe Length Reference(PLR) MH2 X	Date 01/06/2023	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 3/3	Base Unit AMIXY75J2U	Section Number 5

Road WILLINGTON PARISH COUNCIL, Place TWYFORD ROAD, Location WILLINGTON.	Division District Location Details
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Purpose Duty Combined Catchment	Shape/Size 150mm Material Vitrified clay Category	Start Node MH2 End Node MH4 Total length 28 metres
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Scale 1:1.47 Direction Downstream	View via iTouch Live 	Download 
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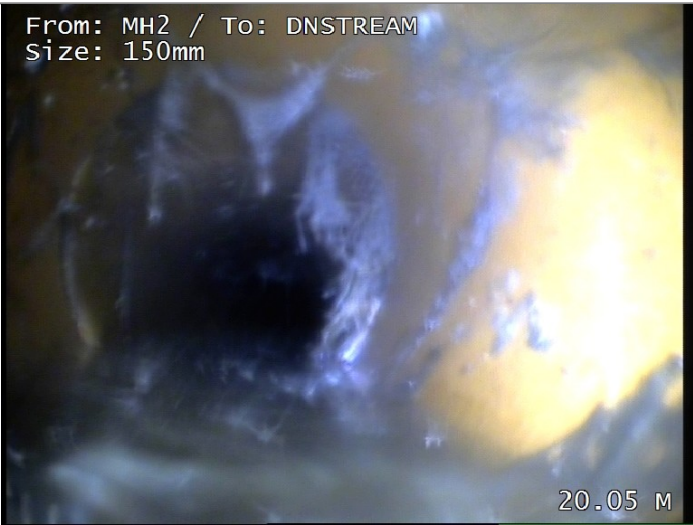
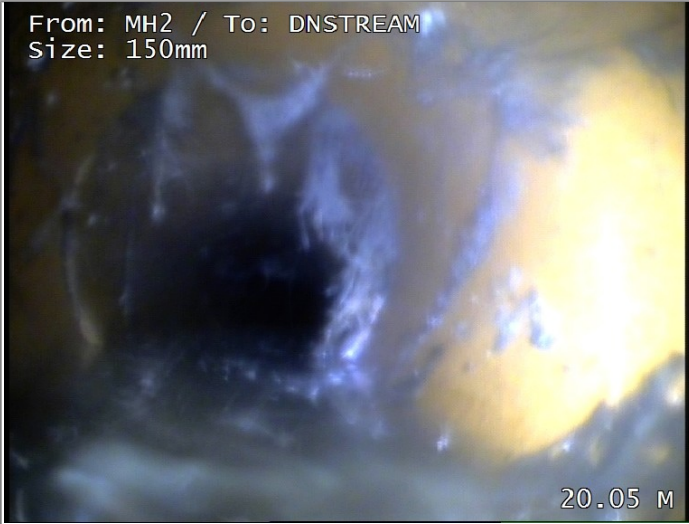



Start Node Ref:MH2 | I/L : metres | Depth: 1.02 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MH2	7972755	Comment / 0
0.00	WL	Water level 0% height/diameter	7972756	Comment / 0
3.14	DEF	Attached deposits, fouling at 6 o'clock 10% cross-sectional area loss	7972757	Service / 3
5.05	JN	Junction at 1 o'clock, diameter 100mm	7972758	Comment / 0
7.67	FL	Fracture longitudinal at 8 o'clock	7972759	Structural / 3
7.90	RF	Roots fine	7972760	Service / 2
8.19	FCJ	Fracture circumferential from 2 to 8 o'clock, at joint	7972761	Structural / 3
8.93	CL	Crack longitudinal at 9 o'clock	7972762	Structural / 2
8.93	RF	Roots fine	7972763	Service / 2
17.31	RFJ	Roots fine, at joint	7972764	Service / 2
18.83	WL	Water level 5% height/diameter	7972765	Comment / 0
19.10	RF	Roots fine	7972766	Service / 2
19.10	CCJ	Crack circumferential from 1 to 5 o'clock, at joint	7972769	Structural / 2
20.05	DES	Settled deposits fine 10% cross-sectional area loss	7972770	Service / 3
20.05	RF	Roots fine	7972771	Service / 2
21.74	WL	Water level 20% height/diameter	7972772	Comment / 0
22.57	RF	Roots fine	7972773	Service / 2
22.57	WL	Water level 40% height/diameter	7972774	Comment / 0
23.95	CUW (S01)	Loss of vision, camera under water, Start	7972775	Comment / 0
25.40	CUW (F01)	Loss of vision, camera under water, Finished	7972776	Comment / 0
25.40	SA	Survey abandoned - Remark: UNABLE TO PUSH ANY FURTHER	7972777	Comment / 0

End Node Ref:MH4 | I/L : metres

Job Number 01/06/23-EG	Surveyed by (Operator) EG	Base Unit AMIXY75J2U	Date 01/06/2023
 <p>0.00 M</p> <p>Start node type, manhole, reference MH2</p>			
 <p>0.00 M</p> <p>Water level 0% height/diameter</p>			
<p>From: MH2 / To: DNSTREAM Size: 150mm</p>  <p>3.14 M</p> <p>Attached deposits, fouling at 6 o'clock 10% cross-sectional area loss</p>			
<p>From: MH2 / To: DNSTREAM Size: 150mm</p>  <p>5.05 M</p> <p>Junction at 1 o'clock, diameter 100mm</p>			
<p>From: MH2 / To: DNSTREAM Size: 150mm</p>  <p>7.67 M</p> <p>Fracture longitudinal at 8 o'clock</p>			
<p>From: MH2 / To: DNSTREAM Size: 150mm</p>  <p>7.90 M</p> <p>Roots fine</p>			

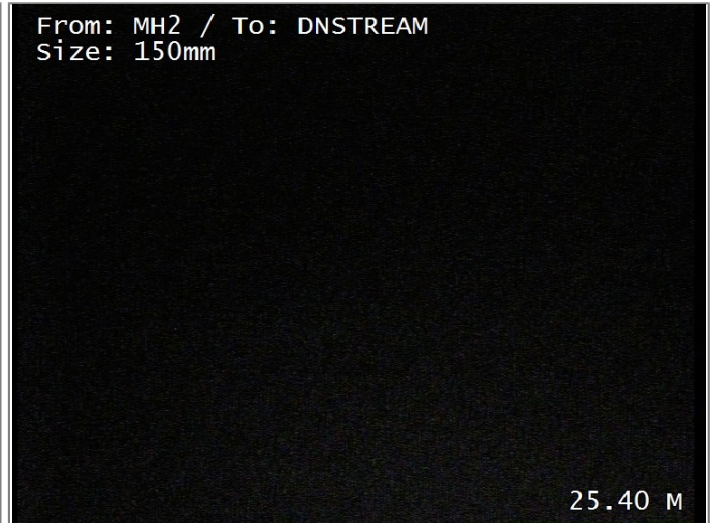
Job Number 01/06/23-EG	Surveyed by (Operator) EG	Base Unit AMIXY75J2U	Date 01/06/2023
<div> <div> From: MH2 / To: DNSTREAM Size: 150mm </div>  <div>8.19 M</div> <div>Fracture circumferential from 2 to 8 o'clock, at joint</div> </div>			
<div> <div> From: MH2 / To: DNSTREAM Size: 150mm </div>  <div>8.93 M</div> <div>Crack longitudinal at 9 o'clock</div> </div>			
<div> <div> From: MH2 / To: DNSTREAM Size: 150mm </div>  <div>8.93 M</div> <div>Roots fine</div> </div>			
<div> <div> From: MH2 / To: DNSTREAM Size: 150mm </div>  <div>17.31 M</div> <div>Roots fine, at joint</div> </div>			
<div> <div> From: MH2 / To: DNSTREAM Size: 150mm </div>  <div>18.83 M</div> <div>Water level 5% height/diameter</div> </div>			
<div> <div> From: MH2 / To: DNSTREAM Size: 150mm </div>  <div>19.10 M</div> <div>Roots fine</div> </div>			

Job Number 01/06/23-EG	Surveyed by (Operator) EG	Base Unit AMIXY75J2U	Date 01/06/2023
<div> <div> From: MH2 / To: DNSTREAM Size: 150mm </div>  <div>19.10 M</div> <div>Crack circumferential from 1 to 5 o'clock, at joint</div> </div>			
<div> <div> From: MH2 / To: DNSTREAM Size: 150mm </div>  <div>20.05 M</div> <div>Settled deposits fine 10% cross-sectional area loss</div> </div>			
<div> <div> From: MH2 / To: DNSTREAM Size: 150mm </div>  <div>20.05 M</div> <div>Roots fine</div> </div>			
<div> <div> From: MH2 / To: DNSTREAM Size: 150mm </div>  <div>21.74 M</div> <div>Water level 20% height/diameter</div> </div>			
<div> <div> From: MH2 / To: DNSTREAM Size: 150mm </div>  <div>22.57 M</div> <div>Roots fine</div> </div>			
<div> <div> From: MH2 / To: DNSTREAM Size: 150mm </div>  <div>22.57 M</div> <div>Water level 40% height/diameter</div> </div>			

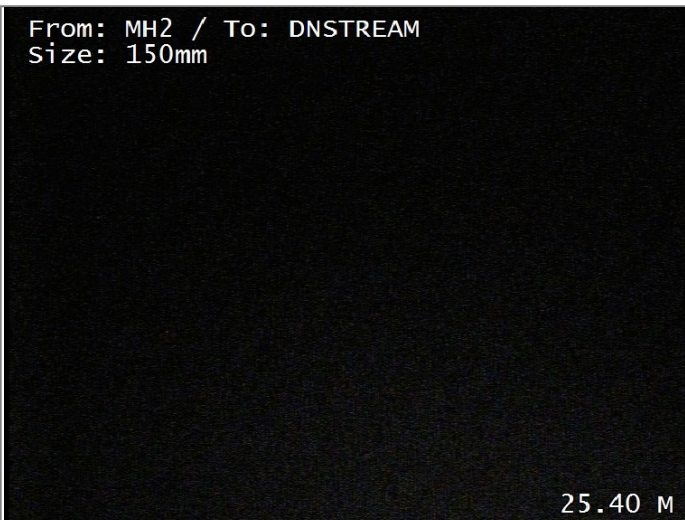
Job Number 01/06/23-EG	Surveyed by (Operator) EG	Base Unit AMIXY75J2U	Date 01/06/2023
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Loss of vision, camera under water, Start



Loss of vision, camera under water, Finished



Survey abandoned - Remark: UNABLE TO PUSH ANY FURTHER

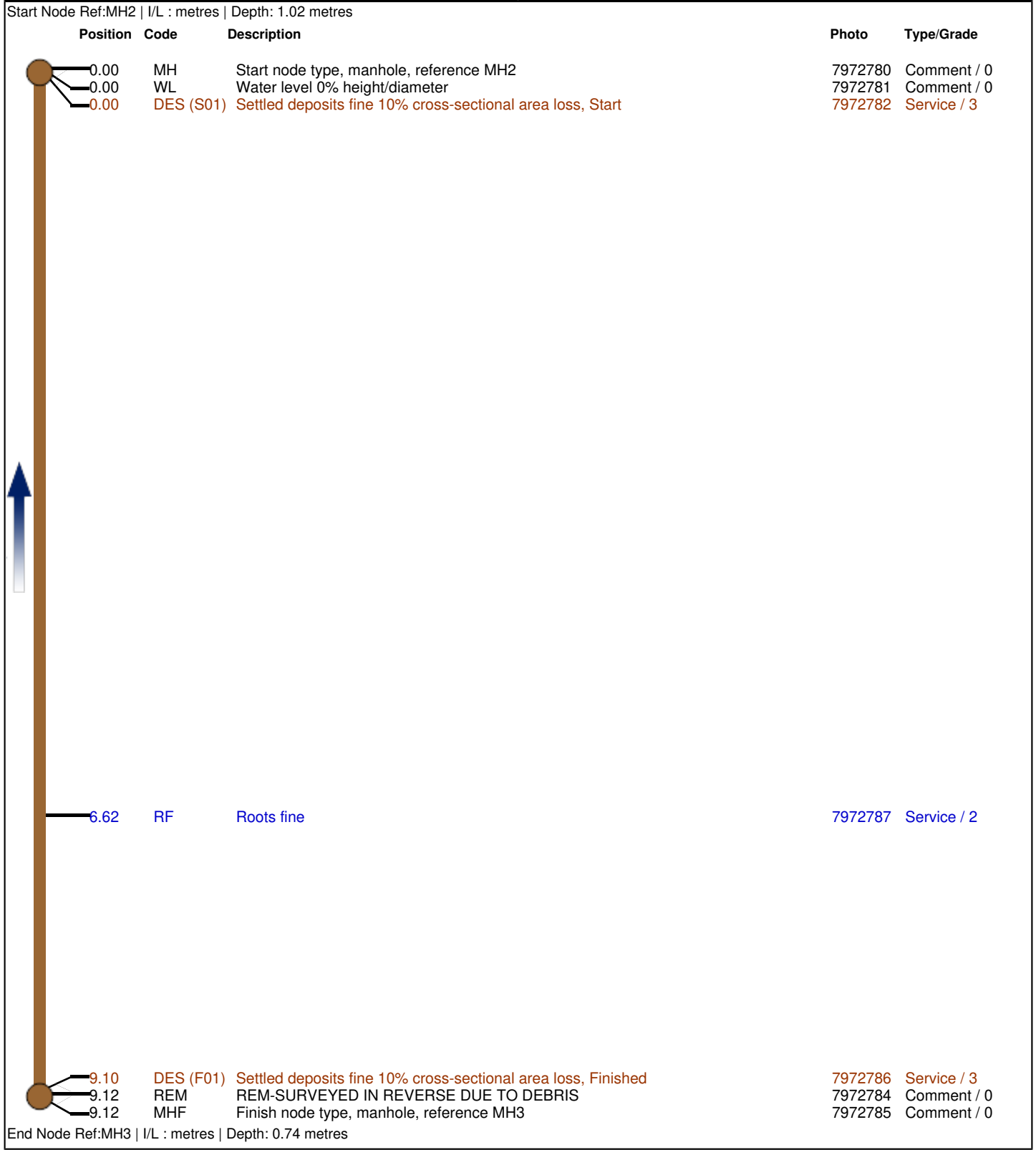
CCTV Inspection Report







Surveyed by (Operator) EG	Job Number 01/06/23-EG	Pipe Length Reference(PLR) MH3 X	Date 01/06/2023	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 3/0	Base Unit AMIXY75J2U	Section Number 6

Road WILLINGTON PARISH COUNCIL, Place TWYFORD ROAD, Location WILLINGTON.	Division District Location Details
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Purpose Duty Combined Catchment	Shape/Size 150mm Material Vitrified clay Category	Start Node MH2 End Node MH3 Total length 9.14 metres
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Scale 1:0.48 Direction Upstream	View via iTouch Live  Download 
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Start Node Ref:MH2 I/L : metres Depth: 1.02 metres				Photo	Type/Grade
Position	Code	Description			
0.00	MH	Start node type, manhole, reference MH2		7972780	Comment / 0
0.00	WL	Water level 0% height/diameter		7972781	Comment / 0
0.00	DES (S01)	Settled deposits fine 10% cross-sectional area loss, Start		7972782	Service / 3
					
6.62	RF	Roots fine		7972787	Service / 2
9.10	DES (F01)	Settled deposits fine 10% cross-sectional area loss, Finished		7972786	Service / 3
9.12	REM	REM-SURVEYED IN REVERSE DUE TO DEBRIS		7972784	Comment / 0
9.12	MHF	Finish node type, manhole, reference MH3		7972785	Comment / 0
End Node Ref:MH3 I/L : metres Depth: 0.74 metres					

Job Number 01/06/23-EG	Surveyed by (Operator) EG	Base Unit AMIXY75J2U	Date 01/06/2023
 <p>Start node type, manhole, reference MH2</p>			
 <p>Water level 0% height/diameter</p>			
<p>From: MH2 / To: MH3 Size: 150mm</p>  <p>Settled deposits fine 10% cross-sectional area loss, Start</p>			
<p>From: MH2 / To: MH3 Size: 150mm</p>  <p>Roots fine</p>			
<p>From: MH2 / To: MH3 Size: 150mm</p>  <p>Settled deposits fine 10% cross-sectional area loss, Finished</p>			
<p>From: MH2 / To: MH3 Size: 150mm</p>  <p>REM-SURVEYED IN REVERSE DUE TO DEBRIS</p>			

CCTV Inspection Photos

Job Number 01/06/23-EG	Surveyed by (Operator) EG	Base Unit AMIXY75J2U	Date 01/06/2023
<div> <p>From: MH2 / To: MH3 Size: 150mm</p>  <p>9.12 M</p> <p>Finish node type, manhole, reference MH3</p> </div>			

CCTV Inspection Report

Surveyed by (Operator) EG	Job Number 01/06/23-EG	Pipe Length Reference(PLR) A/MH4 X	Date 01/06/2023	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 5/1	Base Unit AMIXY75J2U	Section Number 7

Road WILLINGTON PARISH COUNCIL, Place TWYFORD ROAD, Location WILLINGTON.	Division District Location Details
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Purpose Duty Combined Catchment	Shape/Size 100mm Material Vitrified clay Category	Start Node MH4 End Node A/MH4 Total length 6 metres
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Scale 1:0.31 Direction Upstream	View via iTouch Live 	Download 
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Start Node Ref:MH4 | I/L : metres | Depth: 1.26 metres



Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MH4	7972789	Comment / 0
0.00	WL	Water level 0% height/diameter	7972790	Comment / 0
0.00	DES	Settled deposits fine 5% cross-sectional area loss	7972792	Service / 2
0.62	DEX	Other settled deposits 20% cross-sectional area loss - Remark: PIECE OF PVC PIPE	7972795	Service / 3
2.88	JDM	Joint displaced medium	7972798	Structural / 1
3.52	REM	BURIED MANHOLE	7972801	Comment / 0
4.48	RM	Roots mass 25% cross-sectional area loss	7972802	Service / 5
5.74	JN	Junction at 1 o'clock, diameter 100mm	7972803	Comment / 0
5.81	RM	Roots mass 75% cross-sectional area loss	7972804	Service / 5
5.81	SA	Survey abandoned - Remark: DUE TO ROOTS	7972805	Comment / 0

End Node Ref:A/MH4 | I/L : metres

Job Number 01/06/23-EG	Surveyed by (Operator) EG	Base Unit AMIXY75J2U	Date 01/06/2023
 <p>0.00 M</p> <p>Start node type, manhole, reference MH4</p>		 <p>0.00 M</p> <p>Water level 0% height/diameter</p>	
<p>From: MH4 / To: A/MH4 Size: 100mm</p>  <p>0.00 M</p> <p>Settled deposits fine 5% cross-sectional area loss</p>		<p>From: MH4 / To: A/MH4 Size: 100mm</p>  <p>0.62 M</p> <p>Other settled deposits 20% cross-sectional area loss - Remark: PIECE OF PVC PIPE</p>	
<p>From: MH4 / To: A/MH4 Size: 100mm</p>  <p>2.88 M</p> <p>Joint displaced medium</p>		<p>From: MH4 / To: A/MH4 Size: 100mm</p>  <p>3.52 M</p> <p>BURIED MANHOLE</p>	

Job Number 01/06/23-EG	Surveyed by (Operator) EG	Base Unit AMIXY75J2U	Date 01/06/2023
<div> <div> From: MH4 / To: A/MH4 Size: 100mm </div>  <div>4.48 M</div> <div>Roots mass 25% cross-sectional area loss</div> </div>			
<div> <div> From: MH4 / To: A/MH4 Size: 100mm </div>  <div>5.74 M</div> <div>Junction at 1 o'clock, diameter 100mm</div> </div>			
<div> <div> From: MH4 / To: A/MH4 Size: 100mm </div>  <div>5.81 M</div> <div>Roots mass 75% cross-sectional area loss</div> </div>			
<div> <div> From: MH4 / To: A/MH4 Size: 100mm </div>  <div>5.81 M</div> <div>Survey abandoned - Remark: DUE TO ROOTS</div> </div>			






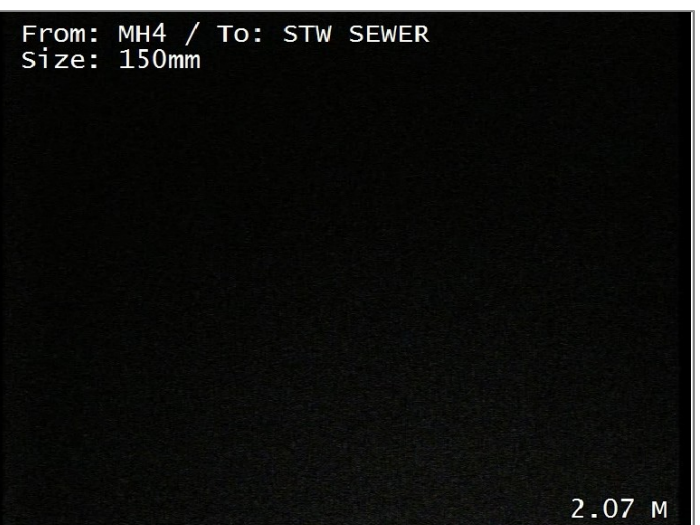
CCTV Inspection Report

Surveyed by (Operator) EG	Job Number 01/06/23-EG	Pipe Length Reference(PLR) MH4 X	Date 01/06/2023	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 4/0	Base Unit AMIXY75J2U	Section Number 8
Road WILLINGTON PARISH COUNCIL, Place TWYFORD ROAD, Location WILLINGTON.		Division District Location Details		
Purpose Duty Combined Catchment	Shape/Size 150mm Material Vitrified clay Category		Start Node MH4 End Node STW SEWER Total length 7 metres	
Scale 1:0.37 Direction Downstream		View via iTouch Live  Download 		

Start Node Ref:MH4 | I/L : metres | Depth: 1.26 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MH4	7972806	Comment / 0
0.00	WL	Water level 5% height/diameter	7972807	Comment / 0
0.00	RF	Roots fine	7972810	Service / 2
0.26	DES	Settled deposits fine 50% cross-sectional area loss	7972811	Service / 4
0.71	CUD	Loss of vision, silt	7972812	Comment / 0
2.07	SA	Survey abandoned - Remark: DUE TO SILT	7972813	Comment / 0

End Node Ref:STW SEWER | I/L : metres

Job Number 01/06/23-EG	Surveyed by (Operator) EG	Base Unit AMIXY75J2U	Date 01/06/2023
 <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: STW SEWER Size: 150mm</p>  <p>0.00 M</p> <p>Roots fine</p>			
<p>From: MH4 / To: STW SEWER Size: 150mm</p>  <p>0.26 M</p> <p>Settled deposits fine 50% cross-sectional area loss</p>			
<p>From: MH4 / To: STW SEWER Size: 150mm</p>  <p>0.71 M</p> <p>Loss of vision, silt</p>			
<p>From: MH4 / To: STW SEWER Size: 150mm</p>  <p>2.07 M</p> <p>Survey abandoned - Remark: DUE TO SILT</p>			

Structural Defects (SRM 4)

Job Number 01/06/23-EG				Surveyed by (Operator) EG		Base Unit AMIXY75J2U			Date 01/06/2023				
No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
1	A/MH1 X	U	C	100	01/06/2023	Vitrified clay	4.57 metres	4.57		10	2	2.19	10
2	B/MH1 X	U	C	100	01/06/2023	Vitrified clay	4.31 metres	4.31		0	1	0	0
3	MH1 X	D	C	100	01/06/2023	Vitrified clay	5.12 metres	5.12		0	1	0	0
4	MH2 X	D	C	100	01/06/2023	Vitrified clay	2.29 metres	2.29		10	2	5.24	12
5	MH2 X	D	C	150	01/06/2023	Vitrified clay	28 metres	25.4		40	3	3.94	100
6	MH3 X	U	C	150	01/06/2023	Vitrified clay	9.14 metres	9.12		0	1	0	0
7	A/MH4 X	U	C	100	01/06/2023	Vitrified clay	6 metres	5.81		1	1	0.17	1
8	MH4 X	D	C	150	01/06/2023	Vitrified clay	7 metres	2.07		0	1	0	0

Service Defects (SRM 4)

Job Number 01/06/23-EG				Surveyed by (Operator) EG		Base Unit AMIXY75J2U			Date 01/06/2023				
No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
1	A/MH1 X	U	C	100	01/06/2023	Vitrified clay	4.57 metres	4.57		0	1	0	0
2	B/MH1 X	U	C	100	01/06/2023	Vitrified clay	4.31 metres	4.31		2	3	0.46	2
3	MH1 X	D	C	100	01/06/2023	Vitrified clay	5.12 metres	5.12		0	1	0	0
4	MH2 X	D	C	100	01/06/2023	Vitrified clay	2.29 metres	2.29		0	1	0	0
5	MH2 X	D	C	150	01/06/2023	Vitrified clay	28 metres	25.4		2	3	0.39	10
6	MH3 X	U	C	150	01/06/2023	Vitrified clay	9.14 metres	9.12		2	3	0.55	5
7	A/MH4 X	U	C	100	01/06/2023	Vitrified clay	6 metres	5.81		15	5	4.82	28
8	MH4 X	D	C	150	01/06/2023	Vitrified clay	7 metres	2.07		5	4	2.90	6

Defect Grade Descriptions

Job Number 01/06/23-EG	Surveyed by (Operator) EG	Base Unit AMIXY75J2U	Date 01/06/2023
<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. untorched intakes, cracks, minor drainage obstructions such as calcite build ups, protruding laterals, minor damages to pipe wall, individual root penetrations, corroded pipe walls etc.</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>			