



Project

Project Name: HAPPY DRAINS Flat 1 18 Platts Lane NW3 7NS - C1013264
Project Description: CCTV Survey
Project Status: Issued
Project Date: 23/10/2024
Inspection Standard: MSCC5 Sewers & Drainage GB (SRM5 Scoring)





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Project Information

Project Name	Project Number	Project Date
HAPPY DRAINS Flat 1 18 Platts Lane NW3 7NS - C1013264		23/10/2024

Client

Company: Happy Drains
Street: Unit 12B Chalex Industrial Estate
Town or City: Manor Hall Road, Southwick
County: East Sussex
Post Code: BN42 4NH
Phone: 08008498099



Site

Street: Flat 1, 18 Platts Lane
Town or City: Hampstead
County: London
Post Code: NW3 7NS

Contractor

Company: Happy Drains
Street: Unit 12B Chalex Industrial Estate
Town or City: Manor Hall Road, Southwick
County: East Sussex
Post Code: BN42 4NH
Phone: 08008498099



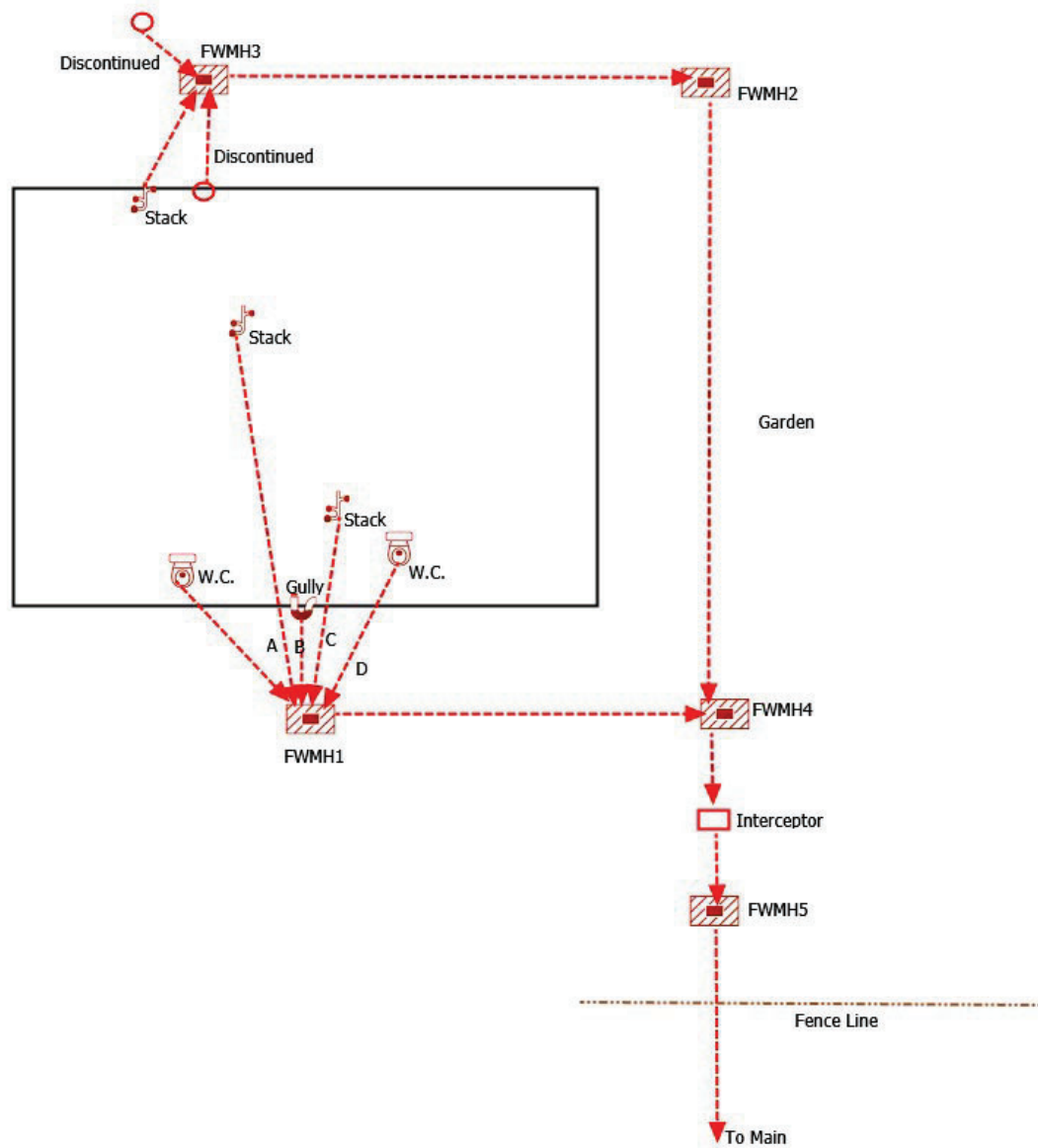


Project Information

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HAPPY DRAINS Flat 1 18 Platts Lane NW3 7NS - C1013264		23/10/2024

Project Drawing, Page 'HAPPY DRAINS Flat 1 18 Platts Lane NW3 7NS -

FLAT 1, PLATTS LANE
HAMPSTEAD
LONDON
NW3 7NS





Section Summary

Project Name	Project Number	Project Date
HAPPY DRAINS Flat 1 18 Platts Lane NW3 7NS - C1013264		23/10/2024

Number of sections	13
Total length of sections	67.69 m
Total length of inspected sections	67.69 m
Total length of not inspected sections	0.00 m
Number of abandoned inspections	0
Number of section inspection photos	43
Number of section inspection videos	13
Number of section inspection scans	0
Number of section inclination measurements	0

PLR:	WCX	Upstream Node:	WC
Inspection Direction:	Upstream	Downstream Node:	FWMH1
Inspected Length:	10.05 m	Dia/Height:	100 mm
Total Length:	10.05 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: FWMH1
2	0.00	WL	Water level, 0% of the vertical dimension
3	8.15	CN	Connection other than junction at 11 o'clock, 100mm dia
4	10.05	OCF	Finish node, other special chamber, reference: WC

PLR:	StackX	Upstream Node:	Stack
Inspection Direction:	Upstream	Downstream Node:	FWMH1
Inspected Length:	11.54 m	Dia/Height:	100 mm
Total Length:	11.54 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: FWMH1
2	0.00	WL	Water level, 0% of the vertical dimension
3	10.41	LR	Line deviates right
4	11.54	OCF	Finish node, other special chamber, reference: Stack

PLR:	GullyX	Upstream Node:	Gully
Inspection Direction:	Upstream	Downstream Node:	FWMH1
Inspected Length:	2.84 m	Dia/Height:	100 mm
Total Length:	2.84 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: FWMH1
2	0.00	WL	Water level, 0% of the vertical dimension
3	2.84	GYF	Finish node, gully, reference: Gully



Section Summary

Project Name HAPPY DRAINS Flat 1 18 Platts Lane NW3 7NS - C1013264	Project Number	Project Date 23/10/2024
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PLR:	StackY	Upstream Node:	Stack
Inspection Direction:	Upstream	Downstream Node:	FWMH1
Inspected Length:	5.26 m	Dia/Height:	100 mm
Total Length:	5.26 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: FWMH1
2	0.00	WL	Water level, 0% of the vertical dimension
3	5.26	OCF	Finish node, other special chamber, reference: Stack

PLR:	WCY	Upstream Node:	WC
Inspection Direction:	Upstream	Downstream Node:	FWMH1
Inspected Length:	2.42 m	Dia/Height:	100 mm
Total Length:	2.42 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: FWMH1
2	0.00	WL	Water level, 0% of the vertical dimension
3	2.42	OCF	Finish node, other special chamber, reference: WC

PLR:	FWMH1X	Upstream Node:	FWMH1
Inspection Direction:	Downstream	Downstream Node:	JN
Inspected Length:	7.11 m	Dia/Height:	100 mm
Total Length:	7.11 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: FWMH1
2	0.00	WL	Water level, 0% of the vertical dimension
3	7.11	LD	Line deviates down
4	7.11	BRF	Finish node, major connection without manhole, reference: JN

PLR:	FWMH2X	Upstream Node:	FWMH2
Inspection Direction:	Upstream	Downstream Node:	Interceptor
Inspected Length:	9.00 m	Dia/Height:	100 mm
Total Length:	9.00 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: Interceptor
2	0.00	WL	Water level, 0% of the vertical dimension
3	9.00	MHF	Finish node, manhole, reference: FWMH2

PLR:	FWMH3X	Upstream Node:	FWMH3
Inspection Direction:	Upstream	Downstream Node:	FWMH2
Inspected Length:	6.36 m	Dia/Height:	100 mm
Total Length:	6.36 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: FWMH2
2	0.00	WL	Water level, 0% of the vertical dimension
3	6.36	MHF	Finish node, manhole, reference: FWMH3



Section Summary

Project Name HAPPY DRAINS Flat 1 18 Platts Lane NW3 7NS - C1013264	Project Number	Project Date 23/10/2024
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PLR:	AX	Upstream Node:	A
Inspection Direction:	Upstream	Downstream Node:	FWMH3
Inspected Length:	1.62 m	Dia/Height:	100 mm
Total Length:	1.62 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: FWMH3
2	0.00	WL	Water level, 0% of the vertical dimension
3	1.20	DES	Settled deposits, fine, 15% cross-sectional area loss
4	1.62	OCF	Finish node, other special chamber, reference: A

PLR:	BX	Upstream Node:	B
Inspection Direction:	Upstream	Downstream Node:	FWMH3
Inspected Length:	0.66 m	Dia/Height:	100 mm
Total Length:	0.66 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: FWMH3
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.66	OCF	Finish node, other special chamber, reference: B

PLR:	CX	Upstream Node:	C
Inspection Direction:	Upstream	Downstream Node:	FWMH3
Inspected Length:	1.28 m	Dia/Height:	100 mm
Total Length:	1.28 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: FWMH3
2	0.00	WL	Water level, 0% of the vertical dimension
3	1.28	OCF	Finish node, other special chamber, reference: C

PLR:	FWMH4X	Upstream Node:	FWMH4
Inspection Direction:	Downstream	Downstream Node:	FWMH5
Inspected Length:	1.60 m	Dia/Height:	225 mm
Total Length:	1.60 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: FWMH4
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.00	DEG	Attached deposits, grease from 12 o'clock to 12 o'clock, 15% cross-sectional area loss, start
4	1.50	DEG	Attached deposits, grease from 12 o'clock to 12 o'clock, 15% cross-sectional area loss, finish
5	1.60	MHF	Finish node, manhole, reference: FWMH5

PLR:	FWMH5X	Upstream Node:	FWMH5
Inspection Direction:	Downstream	Downstream Node:	Main
Inspected Length:	7.95 m	Dia/Height:	225 mm
Total Length:	7.95 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: FWMH5
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.50	RMJ	Roots, mass at joint, 20% cross-sectional area loss
4	0.60	RF	Roots, fine, start



Section Summary

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No.	m+	Code	Observation
5	2.30	RF	Roots, fine, finish
6	6.00	RFJ	Roots, fine at joint
7	7.90	RM	Roots, mass, 90% cross-sectional area loss
8	7.95	OCF	Finish node, other special chamber, reference: End of Survey



Project Summary

Project Name		Project Number	Project Date
HAPPY DRAINS Flat 1 18 Platts Lane NW3 7NS - C1013264			23/10/2024

Pipe Summary

No.	Type	PLR	Upstream Node	Downstream Node	Road	Town	Use	Mat.	Profile	Length
1	SEC	WCX	WC	FWMH1	Platts Lane	London	F	VC	Circular 100mm	10.05 m
2	SEC	StackX	STACK	FWMH1	Platts Lane	London	F	VC	Circular 100mm	11.54 m
3	SEC	GullyX	GULLY	FWMH1	Platts Lane	London	F	VC	Circular 100mm	2.84 m
4	SEC	StackY	STACK	FWMH1	Platts Lane	London	F	VC	Circular 100mm	5.26 m
5	SEC	WCY	WC	FWMH1	Platts Lane	London	F	VC	Circular 100mm	2.42 m
6	SEC	FWMH1X	FWMH1	JN	Platts Lane	London	F	VC	Circular 100mm	7.11 m
7	SEC	FWMH2X	FWMH2	INTERCEPTOR	Platts Lane	London	F	VC	Circular 100mm	9.00 m
8	SEC	FWMH3X	FWMH3	FWMH2	Platts Lane	London	F	VC	Circular 100mm	6.36 m
9	SEC	AX	A	FWMH3	Platts Lane	London	F	VC	Circular 100mm	1.62 m
10	SEC	BX	B	FWMH3	Platts Lane	London	F	VC	Circular 100mm	0.66 m
11	SEC	CX	C	FWMH3	Platts Lane	London	F	VC	Circular 100mm	1.28 m
12	SEC	FWMH4X	FWMH4	FWMH5	Platts Lane	London	F	VC	Circular 225mm	1.60 m
13	SEC	FWMH5X	FWMH5	MAIN	Platts Lane	London	F	VC	Circular 225mm	7.95 m
Total:										67.69 m

Pipe Levels

No.	PLR	Upstream Node	Upstream C.L.	Upstream I.L.	Upstream I.D.	Downstream Node	Downstream C.L.	Downstream I.L.	Downstream I.D.
1	WCX	WC			0.000 m	FWMH1			0.000 m
2	StackX	STACK			0.000 m	FWMH1			0.000 m
3	GullyX	GULLY			0.000 m	FWMH1			0.000 m
4	StackY	STACK			0.000 m	FWMH1			0.000 m
5	WCY	WC			0.000 m	FWMH1			0.000 m
6	FWMH1X	FWMH1			0.000 m	JN			0.000 m
7	FWMH2X	FWMH2			0.000 m	INTERCEPTOR			0.000 m
8	FWMH3X	FWMH3			0.000 m	FWMH2			0.000 m
9	AX	A			0.000 m	FWMH3			0.000 m
10	BX	B			0.000 m	FWMH3			0.000 m



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HAPPY DRAINS Flat 1 18 Platts Lane NW3 7NS - C1013264			23/10/2024

No.	PLR	Upstream Node	Upstream C.L.	Upstream I.L.	Upstream I.D.	Downstream Node	Downstream C.L.	Downstream I.L.	Downstream I.D.
11	CX	C			0.000 m	FWMH3			0.000 m
12	FWMH4X	FWMH4			0.000 m	FWMH5			0.000 m
13	FWMH5X	FWMH5			0.000 m	MAIN			0.000 m

Pipe Summary by Profile

Profile	Total Length	No. Pipes
Circular 100mm	10.05 m	
Circular 100mm	11.54 m	
Circular 100mm	2.84 m	
Circular 100mm	5.26 m	
Circular 100mm	2.42 m	
Circular 100mm	7.11 m	
Circular 100mm	9.00 m	
Circular 100mm	6.36 m	
Circular 100mm	1.62 m	
Circular 100mm	0.66 m	
Circular 100mm	1.28 m	
Circular 100mm	= 58.14 m	11
Circular 225mm	1.60 m	
Circular 225mm	7.95 m	
Circular 225mm	= 9.55 m	2
Total	= 67.69 m	13

Inspection Summary

Pipe No.	Insp. No.	Upstream Node	Downstream Node	Dir.	Operator	Insp. Date	Insp. Time	Str	Ser	Final Observation	Length
1	1	WC	FWMH1	US		23/10/2024	0:00	1	1	OCF, WC Outlet	10.05 m
2	1	STACK	FWMH1	US		23/10/2024	0:00	1	1	OCF, Downpipe	11.54 m
3	1	GULLY	FWMH1	US		23/10/2024	0:00	1	1	GYF	2.84 m
4	1	STACK	FWMH1	US		23/10/2024	0:00	1	1	OCF, Downpipe	5.26 m
5	1	WC	FWMH1	US		23/10/2024	0:00	1	1	OCF, WC outlet	2.42 m
6	1	FWMH1	JN	DS		23/10/2024	0:00	1	1	BRF	7.11 m
7	1	FWMH2	INTERCEPTOR	US		23/10/2024	0:00	1	1	MHF	9.00 m



Happy Drains

Unit 12B Chalex Industrial Estate, Manor Hall Road,
Southwick
Tel. 08008498099

Project Name

HAPPY DRAINS Flat 1 18 Platts Lane NW3 7NS - C1013264

Project Number

Project Date

23/10/2024

Project Summary

Pipe No.	Insp. No.	Upstream Node	Downstream Node	Dir.	Operator	Insp. Date	Insp. Time	Str	Ser	Final Observation	Length
8	1	FWMH3	FWMH2	US		23/10/2024	0:00	1	1	MHF	6.36 m
9	1	A	FWMH3	US		23/10/2024	0:00	1	3	OCF, Downpipe	1.62 m
10	1	B	FWMH3	US		23/10/2024	0:00	1	1	OCF, Downpipe	0.66 m
11	1	C	FWMH3	US		23/10/2024	0:00	1	1	OCF, Downpipe	1.28 m
12	1	FWMH4	FWMH5	DS		23/10/2024	0:00	1	5	MHF	1.60 m
13	1	FWMH5	MAIN	DS		23/10/2024	0:00	1	5	OCF, End of Survey	7.95 m
Total:											67.69 m

Inspection Summary by Profile

Profile	Total Length	No. Inspections
Circular 100mm	10.05 m	
Circular 100mm	11.54 m	
Circular 100mm	2.84 m	
Circular 100mm	5.26 m	
Circular 100mm	2.42 m	
Circular 100mm	7.11 m	
Circular 100mm	9.00 m	
Circular 100mm	6.36 m	
Circular 100mm	1.62 m	
Circular 100mm	0.66 m	
Circular 100mm	1.28 m	
Circular 100mm	= 58.14 m	11
Circular 225mm	1.60 m	
Circular 225mm	7.95 m	
Circular 225mm	= 9.55 m	2
Total	= 67.69 m	13

HAPPY DRAINS Flat 1 18 Platts Lane NW3 7NS - C1013264

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Project Summary

Project Name HAPPY DRAINS Flat 1 18 Platts Lane NW3 7NS - C1013264	Project Number	Project Date 23/10/2024
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Defect Summary

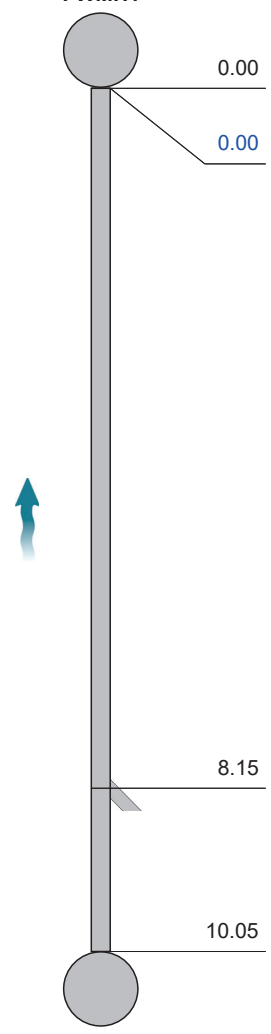
Defect Summary				CCTV Drainage Survey Observation Count																					
Sect. No.	Insp. No.	Upstream Node	Downstream Node	General				Structural Condition										Service Condition						Misc	
				Insp. Length (m)	No. Grade 4/5 Obs.	Survey Abandoned	Camera Under Water	Cracks	Fractures	Broken	Deformed	Collapsed	Holes	Surface Damage	Displaced Joints	Open Joints	Roots	Infiltration	Encrustation	Silt	Grease	Obstruction	Water Level		
1	1	WC	FWMH1	10.1																			1	Line Deviates	
2	1	STACK	FWMH1	11.5																			1	1	
3	1	GULLY	FWMH1	2.8																			1		
4	1	STACK	FWMH1	5.3																			1		
5	1	WC	FWMH1	2.4																			1		
6	1	FWMH1	JN	7.1																			1	1	
7	1	FWMH2	INTERCEPTOR	9.0																			1		
8	1	FWMH3	FWMH2	6.4																			1		
9	1	A	FWMH3	1.6															1				1		
10	1	B	FWMH3	0.7																			1		
11	1	C	FWMH3	1.3																			1		
12	1	FWMH4	FWMH5	1.6																		2	1		
13	1	FWMH5	MAIN	8.0	2													5					1		
Total:				67.7	2													5			1	2		13	2



Section Inspection - 23/10/2024 - WCX

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
1	1	23/10/24	15:33	Not Specified	No Rain Or Snow	Unknown	WCX
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
Not Specified		Not Specified		Push Camera	0.20 m	Category C	Not Specified

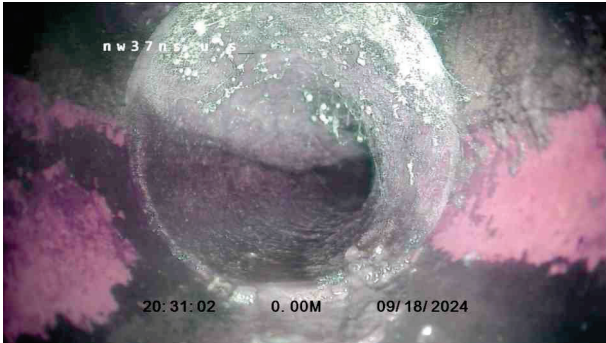
Town or Village:	London	Inspection Direction:	Upstream	Upstream Node:	WC
Road:	Platts Lane	Inspected Length:	10.05 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	10.05 m	Downstream Node:	FWMH1
Surface Type:		Joint Length:	0.70 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		
Comments:	Complete, no defects				
Recommendations:	None				

Scale:	1:88	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m FWMH1							
		0.00	MH	Start node, manhole, reference: FWMH1	00:00:00	WCX_6fc7e5e8-1425-47ef-9898	
		0.00	WL	Water level, 0% of the vertical dimension	00:00:00	WCX_39352e6f-2fab-4614-825	
		8.15	CN	Connection other than junction at 11 o'clock, 100mm dia	00:00:38	1035e34e-b20a-47e5-a1c4-b78	
		10.05	OCF	Finish node, other special chamber, reference: WC: WC Outlet	00:00:51	30e71dd8-0ac1-49ed-8709-9a3	
WC		Depth: m					

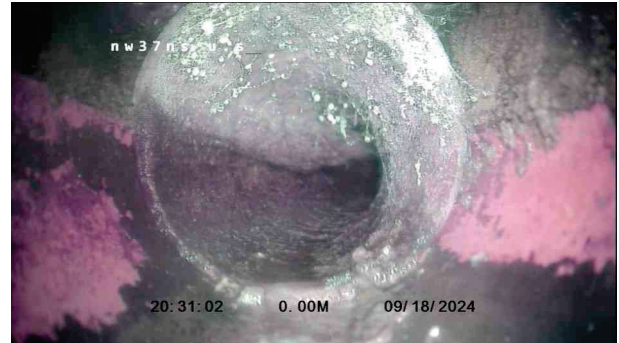
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 23/10/2024 - WCX

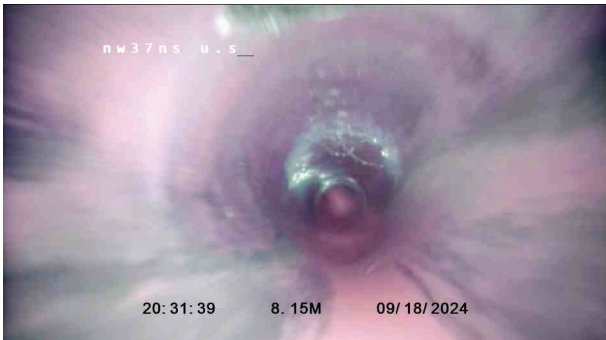
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Upstream	WCX		



WCX_6fc7e5e8-1425-47ef-9898-0138bef9f86b_20240922_124
329_312.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: FWMH1



WCX_39352e6f-2fab-4614-8250-97e7712343d3_20240922_1
24336_317.jpg, 00:00:00, 0.00 m
Water level, 0% of the vertical dimension



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Connection other than junction at 11 o'clock, 100mm dia



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Finish node, other special chamber, reference: WC, WC Outlet

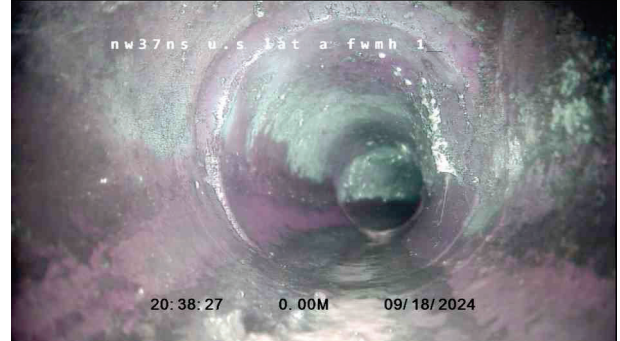


Section Pictures - 23/10/2024 - StackX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Upstream	STACKX		



StackX_8b9c0b4c-9d23-4312-810a-e2578a160066_20240922_124349_381.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: FWMH1



StackX_cd691033-bd49-4663-9acf-ac5623cbe645_20240922_124355_226.jpg, 00:00:00, 0.00 m
Water level, 0% of the vertical dimension



9595a0a6-322a-459c-9cde-2c20bc233e4d.png, 00:01:04, 11.54 m
Finish node, other special chamber, reference: Stack, Downpipe



Section Inspection - 23/10/2024 - GullyX

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
3	1	23/10/24	15:40	Not Specified	No Rain Or Snow	Unknown	GULLYX
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
Not Specified		Not Specified		Push Camera	0.20 m	Category C	Not Specified

Town or Village:	London	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	Platts Lane	Inspected Length:	2.84 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	2.84 m	Downstream Node:	FWMH1
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		
Comments:	Complete, no defects				
Recommendations:	None				

Scale: 1:50 Position [m] Code Observation MPEG Photo Grade

Depth: m
FWMH1



0.00

MH

Start node, manhole, reference: FWMH1

00:00:00

GullyX_2fd
6a9c8-f46
6-420b-a9

0.00

WL

Water level, 0% of the vertical dimension

00:00:00

GullyX_8e
7b33be-ab
ac-4371-b

2.84

GYF

Finish node, gully, reference: Gully

00:00:12

ea6b7b9f-
6510-4b38
-a6e8-01c

Gully
Depth: m

Construction Features

Structural Defects

Miscellaneous Features

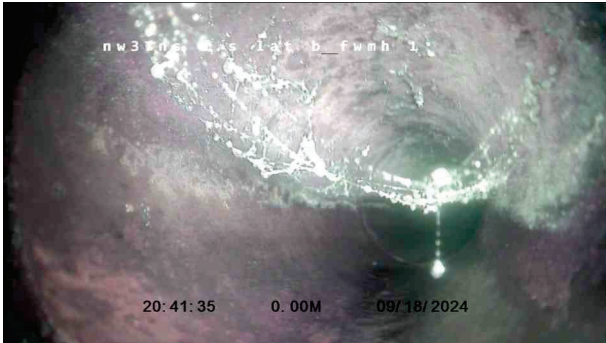
Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

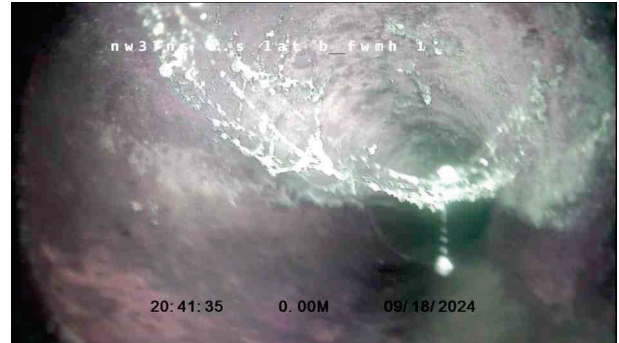


Section Pictures - 23/10/2024 - GullyX

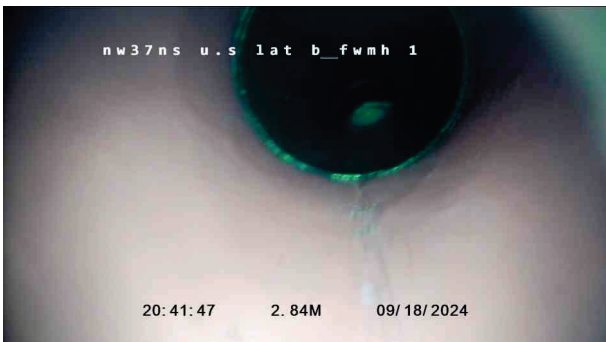
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
3	Upstream	GULLYX		



GullyX_2fd6a9c8-f466-420b-a91e-420624c9f054_20240922_1
24408_623.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: FWMH1



GullyX_8e7b33be-abac-4371-b555-912a57c9bdfd_20240922_124412_143.jpg, 00:00:00, 0.00 m
Water level, 0% of the vertical dimension



ea6b7b9f-6510-4b38-a6e8-01c8136cf193.png, 00:00:12, 2.84 m
Finish node, gully, reference: Gully



Section Inspection - 23/10/2024 - StackY

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
4	1	23/10/24	15:42	Not Specified	No Rain Or Snow	Unknown	STACKY
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
Not Specified		Not Specified		Push Camera	0.20 m	Category C	Not Specified

Town or Village:	London	Inspection Direction:	Upstream	Upstream Node:	STACK
Road:	Platts Lane	Inspected Length:	5.26 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	5.26 m	Downstream Node:	FWMH1
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		
Comments:	Complete, no defects				
Recommendations:	None				

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m FWMH1 0.00 0.00 5.26 Stack Depth: m							

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0



Section Pictures - 23/10/2024 - StackY

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Upstream	STACKY		



StackY_258e7d10-5cd7-4268-8a6d-db3b72df8407_20240922_124424_257.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: FWMH1



StackY_6797472a-554f-4fad-aa6c-5ee8321ffe1b_20240922_124427_948.jpg, 00:00:01, 0.00 m
Water level, 0% of the vertical dimension



84ed1b34-c6c8-427d-a4b3-ca011fc27df4.png, 00:00:22, 5.26 m
Finish node, other special chamber, reference: Stack, Downpipe



Section Inspection - 23/10/2024 - WCY

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
5	1	23/10/24	15:44	Not Specified	No Rain Or Snow	Unknown	WCY
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
Not Specified		Not Specified		Push Camera	0.20 m	Category C	Not Specified

Town or Village:	London	Inspection Direction:	Upstream	Upstream Node:	WC
Road:	Platts Lane	Inspected Length:	2.42 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	2.42 m	Downstream Node:	FWMH1
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		
Comments:	Complete, no defects				
Recommendations:	None				

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
		0.00	MH	Start node, manhole, reference: FWMH1	00:00:00	WCY_1def 0308-151b -4cf7-9529	
		0.00	WL	Water level, 0% of the vertical dimension	00:00:01	WCY_dc5f 5864-2216 -4b03-a2c	
		2.42	OCF	Finish node, other special chamber, reference: WC: WC outlet	00:00:24	def27aae- c442-4bde -a74f-5681	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0



Section Pictures - 23/10/2024 - WCY

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
5	Upstream	WCY		



WCY_1def0308-151b-4cf7-9529-d6fc00c39383_20240922_12
4440_568.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: FWMH1



WCY_dc5f5864-2216-4b03-a2c6-f1647335528a_20240922_12
4445_706.jpg, 00:00:01, 0.00 m
Water level, 0% of the vertical dimension



def27aae-c442-4bde-a74f-5681a032a4e3.png, 00:00:24, 2.42
m
Finish node, other special chamber, reference: WC, WC outlet



Section Inspection - 23/10/2024 - FWMH1X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
6	1	23/10/24	15:45	Not Specified	No Rain Or Snow	Unknown	FWMH1X
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
Not Specified		Not Specified		Push Camera	0.20 m	Category C	Not Specified

Town or Village:	London	Inspection Direction:	Downstream	Upstream Node:	FWMH1
Road:	Platts Lane	Inspected Length:	7.11 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	7.11 m	Downstream Node:	JN
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		
Comments:	Complete, no defects				
Recommendations:	None				

Scale:	1:62	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m FWMH1							
		0.00	MH	Start node, manhole, reference: FWMH1	00:00:00	FWMH1X_5deb5bc2-7c55-4057	
		0.00	WL	Water level, 0% of the vertical dimension	00:00:01	FWMH1X_204676a4-f1ee-4a5b-	
		7.11	LD	Line deviates down	00:00:35	6d2dfc35-97b3-4dc0-83ae-877	
		7.11	BRF	Finish node, major connection without manhole, reference: JN	00:00:53		
JN Depth: m							

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0



Section Pictures - 23/10/2024 - FWMH1X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
6	Downstream	FWMH1X		



FWMH1X_5deb5bc2-7c55-4057-90d4-8b2aef45b3f9_2024092
2_124458_447.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: FWMH1



FWMH1X_204676a4-f1ee-4a5b-8388-85c73dd93639_202409
22_124503_884.jpg, 00:00:01, 0.00 m
Water level, 0% of the vertical dimension



6d2dfc35-97b3-4dc0-83ae-87758a451ba8.png, 00:00:35, 7.11
m
Line deviates down

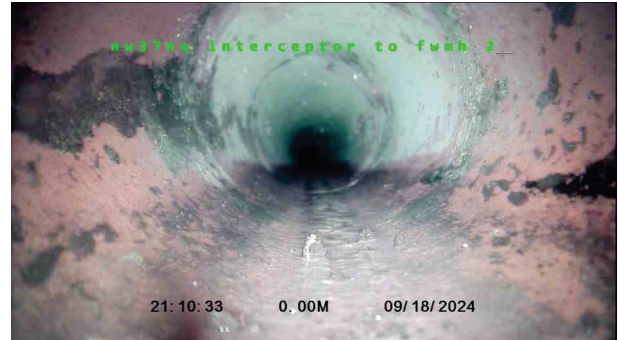


Section Pictures - 23/10/2024 - FWMH2X

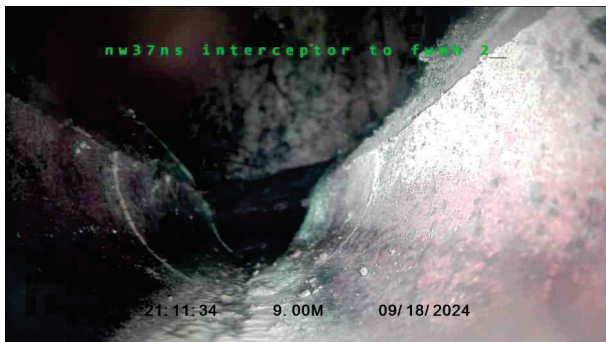
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
7	Upstream	FWMH2X		



FWMH2X_aa963c10-c128-4f11-905d-d98281da8b31_20240922_124517_203.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: Interceptor



FWMH2X_ec042548-a515-4205-bbdd-a3d21bd212fa_20240922_124520_575.jpg, 00:00:01, 0.00 m
Water level, 0% of the vertical dimension



a9ad20ed-5963-477c-ada5-32f789414d7a.png, 00:01:02, 9.00 m
Finish node, manhole, reference: FWMH2



Item No. 8	Insp. No. 1	Date 23/10/24	Time 15:51	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Unknown	PLR FWMH3X
Operator Not Specified		Vehicle Not Specified		Camera Push Camera	Preset Length 0.20 m	Criticality Grade Category C	Alternative ID Not Specified

Town or Village:	London	Inspection Direction:	Upstream	Upstream Node:	FWMH3
Road:	Platts Lane	Inspected Length:	6.36 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	6.36 m	Downstream Node:	FWMH2
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		
Comments:	Complete, no defects				
Recommendations:	None				

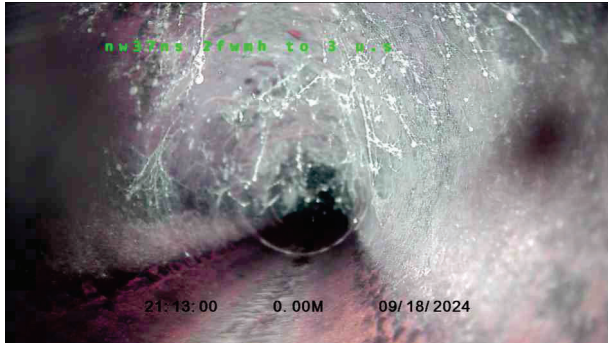
Scale:	1:56	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m FWMH2		0.00	MH	Start node, manhole, reference: FWMH2	00:00:00	FWMH3X_c4bc48de-c0dc-4c9c-	
		0.00	WL	Water level, 0% of the vertical dimension	00:00:02	FWMH3X_328538a0-1892-4cb2	
						</	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

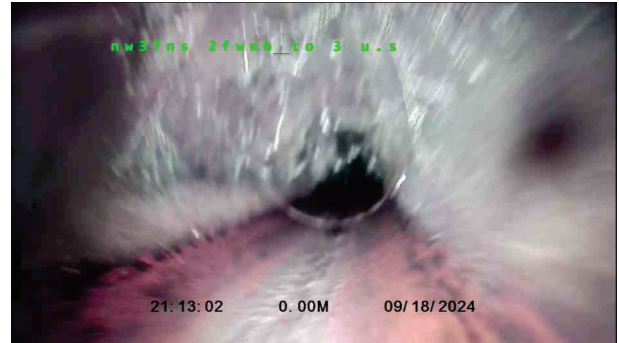


Section Pictures - 23/10/2024 - FWMH3X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Upstream	FWMH3X		



FWMH3X_c4bc48de-c0dc-4c9c-9de3-39b2400c1c88_2024092
2_124532_142.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: FWMH2



FWMH3X_328538a0-1892-4cb2-a994-308f94411719_202409
22_124544_343.jpg, 00:00:02, 0.00 m
Water level, 0% of the vertical dimension



5aedf74f-88a5-4976-afdf-3cda24e694d6.png, 00:02:49, 6.36 m
Finish node, manhole, reference: FWMH3



Section Inspection - 23/10/2024 - AX

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
9	1	23/10/24	15:53	Not Specified	No Rain Or Snow	Unknown	AX
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
Not Specified		Not Specified		Push Camera	0.20 m	Category C	Not Specified

Town or Village:	London	Inspection Direction:	Upstream	Upstream Node:	A
Road:	Platts Lane	Inspected Length:	1.62 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	1.62 m	Downstream Node:	FWMH3
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul		Pipe Shape:	Circular	
Type of Pipe:	Gravity drain/sewer		Dia/Height:	100 mm	
Flow Control:	No flow control		Material:	Vitrified clay	
Year Constructed:	Not Specified		Lining Type:	No Lining	
Inspection Purpose:	Routine inspection		Lining Material:	No Lining	
Comments:	Debris in line				
Recommendations:	Line clean				

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
		0.00	MH	Start node, manhole, reference: FWMH3	00:00:00	AX_ac8cd9ed-97ea-4f14-bfe1-	
		0.00	WL	Water level, 0% of the vertical dimension	00:00:00	AX_bea1b3f1-d0ba-47b6-8eb1-	
		1.20	DES	Settled deposits, fine, 15% cross-sectional area loss	00:00:09	87a894b7-0156-42bd-9139-531	3
		1.62	OCF	Finish node, other special chamber, reference: A: Downpipe	00:00:14	76b5bf84-be92-46c0-b679-635	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	2.0	1.2	2.0	3.0



Section Pictures - 23/10/2024 - AX

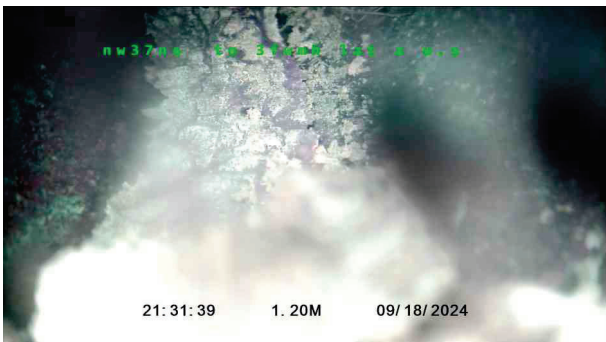
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
9	Upstream	AX		



AX_ac8cd9ed-97ea-4f14-bfe1-7682d8d4aac3_20240922_1248
06_879.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: FWMH3



AX_bea1b3f1-d0ba-47b6-8eb1-630b301e0136_20240922_124
810_536.jpg, 00:00:00, 0.00 m
Water level, 0% of the vertical dimension



87a894b7-0156-42bd-9139-5314e2be234a.png, 00:00:09, 1.20
m
Settled deposits, fine, 15% cross-sectional area loss



76b5bf84-be92-46c0-b679-635ab064f888.png, 00:00:14, 1.62
m
Finish node, other special chamber, reference: A, Downpipe



Section Inspection - 23/10/2024 - BX

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
10	1	23/10/24	15:53	Not Specified	No Rain Or Snow	Unknown	BX
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
Not Specified		Not Specified		Push Camera	Not Specified	Category C	Not Specified

Town or Village:	London	Inspection Direction:	Upstream	Upstream Node:	B
Road:	Platts Lane	Inspected Length:	0.66 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	0.66 m	Downstream Node:	FWMH3
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		
Comments:	Complete, no defects				
Recommendations:	None				

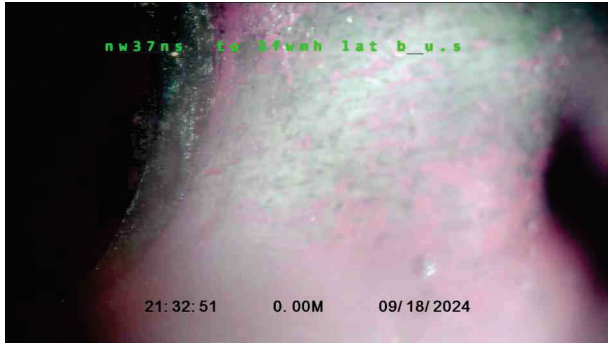
Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
		0.00	MH	Start node, manhole, reference: FWMH3	00:00:00	BX_e3cea ddc-6c6a- 42aa-8a74	
		0.00	WL	Water level, 0% of the vertical dimension	00:00:00	BX_9bd03 41b-d7c1- 42d4-bef4-	
		0.66	OCF	Finish node, other special chamber, reference: B: Downpipe	00:00:07	3209b333- d151-4a5f- 9277-4b51	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

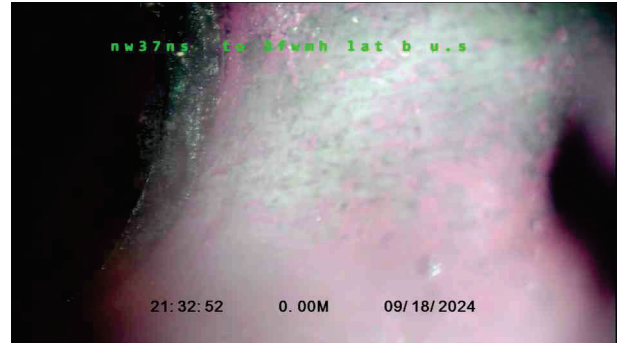


Section Pictures - 23/10/2024 - BX

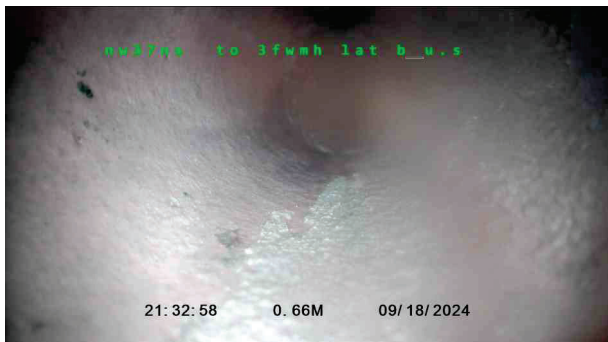
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
10	Upstream	BX		



BX_e3ceaddc-6c6a-42aa-8a74-01ea3157009c_20240922_124
823_491.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: FWMH3



BX_9bd0341b-d7c1-42d4-bef4-95c8c0eed3ce_20240922_124
827_174.jpg, 00:00:00, 0.00 m
Water level, 0% of the vertical dimension



3209b333-d151-4a5f-9277-4b518c39258d.png, 00:00:07, 0.66
m
Finish node, other special chamber, reference: B, Downpipe



Section Inspection - 23/10/2024 - CX

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
11	1	23/10/24	15:53	Not Specified	No Rain Or Snow	Unknown	CX
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
Not Specified		Not Specified		Push Camera	0.20 m	Category C	Not Specified

Town or Village:	London	Inspection Direction:	Upstream	Upstream Node:	C
Road:	Platts Lane	Inspected Length:	1.28 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	1.28 m	Downstream Node:	FWMH3
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		
Comments:	Complete, no defects				
Recommendations:	None				

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
		0.00	MH	Start node, manhole, reference: FWMH3	00:00:00	CX_142534f0-107b-4de2-a719-de2-a719-	
		0.00	WL	Water level, 0% of the vertical dimension	00:00:01	CX_5077d3d9-44c0-4501-b08d	
		1.28	OCF	Finish node, other special chamber, reference: C: Downpipe	00:00:21	77f305b3-29ef-45f8-bfef-f0df4b	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

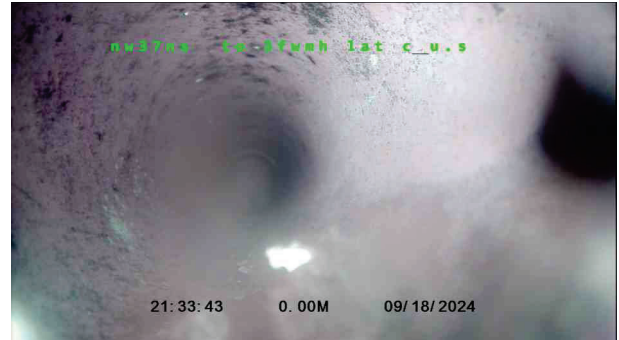


Section Pictures - 23/10/2024 - CX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
11	Upstream	CX		



CX_142534f0-107b-4de2-a719-1bf22820c6d7_20240922_124
839_530.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: FWMH3



CX_5077d3d9-44c0-4501-b08d-78f4bcd68e0f_20240922_124
843_143.jpg, 00:00:01, 0.00 m
Water level, 0% of the vertical dimension



77f305b3-29ef-45f8-bfef-f0df4b8f19d9.png, 00:00:21, 1.28 m
Finish node, other special chamber, reference: C, Downpipe



Section Inspection - 23/10/2024 - FWMH4X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
12	1	23/10/24	23:00	Not Specified	No Rain Or Snow	Unknown	FWMH4X
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
Not Specified		Not Specified		Push Camera	Not Specified	Category C	Not Specified

Town or Village:	London	Inspection Direction:	Downstream	Upstream Node:	FWMH4
Road:	Platts Lane	Inspected Length:	1.60 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	1.60 m	Downstream Node:	FWMH5
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul		Pipe Shape:	Circular	
Type of Pipe:	Gravity drain/sewer		Dia/Height:	225 mm	
Flow Control:	No flow control		Material:	Vitrified clay	
Year Constructed:	Not Specified		Lining Type:	No Lining	
Inspection Purpose:	Routine inspection		Lining Material:	No Lining	
Comments:	Grease Throughout				
Recommendations:	HPWJ to remove Grease				

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
		0.00	MH	Start node, manhole, reference: FWMH4	00:00:00	FWMH4X_c8c40d6b-469b-4a22	
		0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
		0.00	S01	Attached deposits, grease from 12 o'clock to 12 o'clock, 15% cross-sectional area loss, start	00:00:17	FWMH4X_94a2c97c-eaee-4857	
		1.50	F01	Attached deposits, grease from 12 o'clock to 12 o'clock, 15% cross-sectional area loss, finish	00:00:32		3
		1.60	MHF	Finish node, manhole, reference: FWMH5	00:00:32		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	4.0	5.0	8.0	5.0

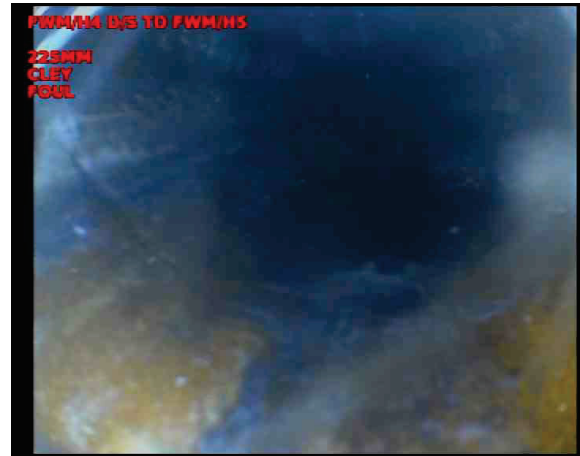


Section Pictures - 23/10/2024 - FWMH4X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
12	Downstream	FWMH4X		



FWMH4X_c8c40d6b-469b-4a22-bcc3-93ee2a049102_20241007_013123_193.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: FWMH4



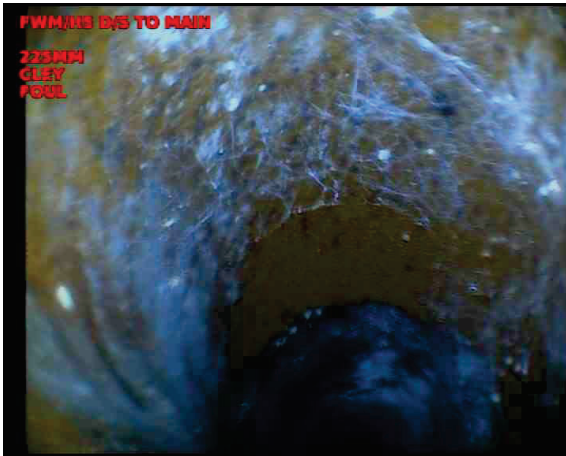
FWMH4X_92b6c406-38bd-46ac-bc18-7620f114b33a_20241007_013144_754.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: FWMH4



FWMH4X_94a2c97c-eaee-4857-9370-c830deef467_20241007_013211_693.jpg, 00:00:17, 0.00 m
Attached deposits, grease from 12 o'clock to 12 o'clock, 15% cross-sectional area loss, start

Section Pictures - 23/10/2024 - FWMH5X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
13	Downstream	FWMH5X		



FWMH5X_50f5f175-83b9-48ed-bd47-e08b24fca8d_20241007_013455_553.jpg, 00:00:00, 0.00 m
Start node, manhole, reference: FWMH5



FWMH5X_4012fe3c-2693-4359-b224-8d47829c168f_20241007_013558_121.jpg, 00:00:11, 0.50 m
Roots, mass at joint, 20% cross-sectional area loss



FWMH5X_b43a86fe-5da2-4c1a-85a0-939ac1816a89_20241007_013630_449.jpg, 00:00:14, 0.60 m
Roots, fine, start



FWMH5X_8aaea2d5-d64c-4bc7-8aee-dac7876d4129_20241007_013734_189.jpg, 00:00:36, 6.00 m
Roots, fine at joint



Section Pictures - 23/10/2024 - FWMH5X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
13	Downstream	FWMH5X		



FWMH5X_da81ad58-43de-48ab-ac0c-af8977441448_20241007_013825_178.jpg, 00:00:53, 7.90 m
Roots, mass, 90% cross-sectional area loss