

**Project**

**Project Name:** Menzies Wood Farm  
**Project Description:** CCTV Survey, trace & plot  
**Project Status:** Complete  
**Project Date:** 08/07/2024  
**Inspection Standard:** MSCC5 Sewers & Drainage GB (SRM5 Scoring)



# **EYES ON DRAINAGE**

## **CCTV-Trace-Plot-Map-Repair**

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Menzies Wood Farm		08/07/2024

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**Project Information****Project Name**  
Menzies Wood Farm**Project Number****Project Date**  
08/07/2024**Client**

**Company:** CGS Civils  
**Department:** Richard Cobden House  
**Street:** Lion Street  
**Town or City:** Chichester  
**County:** West Sussex  
**Post Code:** PO19 1LW  
**Phone:** 01243 933253

**Site**

**Department:** Menzies Wood Farm  
**Street:** Okehurst Rd  
**Town or City:** Billingshurst  
**County:** W.Sussex  
**Post Code:** RH14 9HR

**Contractor**

**Company:** Eyes On Drainage Services Ltd  
**Contact:** Jay Young  
**Department:** Merrion House  
**Street:** Bines Green  
**Town or City:** Horsham  
**County:** West Sussex  
**Post Code:** RH13 8EH  
**Phone:** 01403 710971  
**Mobile:** 077111 84951  
**Email:** info@eyesondrainage.co.uk



## Project Information

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# Project Drawing, Page 'Menzies Wood Farm'



## Scoring Summary

**Project Name**  
Menzies Wood Farm

**Project Number**

**Project Date**  
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### Structural Defects

Grade 3: Best practice suggests consideration should be given to repairs in the medium term.

Grade 4: Best practice suggests consideration should be given to repairs to avoid a potential collapse.

Grade 5: Best practice suggests that this pipe is at risk of collapse at any time. Urgent consideration should be given to repairs to avoid total failure.

Section	PLR	Grade	Description
9	TPX	3	Fracture, circumferential from 12 o'clock to 12 o'clock
14	SW8X	4	Hole in drain or sewer at 12 o'clock
16	AX	5	Collapsed drain or sewer, 100% cross-sectional area loss
17	AX	5	Hole in drain or sewer from 7 o'clock to 11 o'clock

### Service / Operational Condition

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

Grade 4: Best practice suggests consideration should be given to maintenance activity to avoid potential blockages.

Grade 5: Best practice suggests that this pipe is at a high risk of backing up or causing flooding.

Section	PLR	Grade	Description
1	FP1X	3	Settled deposits, hard or compacted, 15% cross-sectional area loss
4	SW2X	3	Multiple defects
6	BX	5	Settled deposits, coarse, 100% cross-sectional area loss
8	SW3X	5	Multiple defects
10	SW5X	3	Settled deposits, fine, 10% cross-sectional area loss, finish
11	DX	5	Settled deposits, coarse, 90% cross-sectional area loss
14	SW8X	4	Roots, tap
15	SW6X	5	Multiple defects
17	AX	5	Multiple defects

### Abandoned Surveys

Section	PLR	Description
5	AX	Survey abandoned
6	BX	Survey abandoned
7	SW1X	Survey abandoned
8	SW3X	Survey abandoned
11	DX	Survey abandoned
14	SW8X	Survey abandoned
15	SW6X	Survey abandoned
16	AX	Survey abandoned

## Scoring Summary

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Section	PLR	Description
17	AX	Survey abandoned

### Information

These scoring summaries are based on the SRM grading from the WRc.

## Project Pictures

**Project Name**  
Menzies Wood Farm

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FW1



Treatment Plant



SW1 (before cleaning)



SW1 (after cleaning)



SW3



SW4

## Project Pictures

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SW5



SW6



SW8



SW9



RWP1



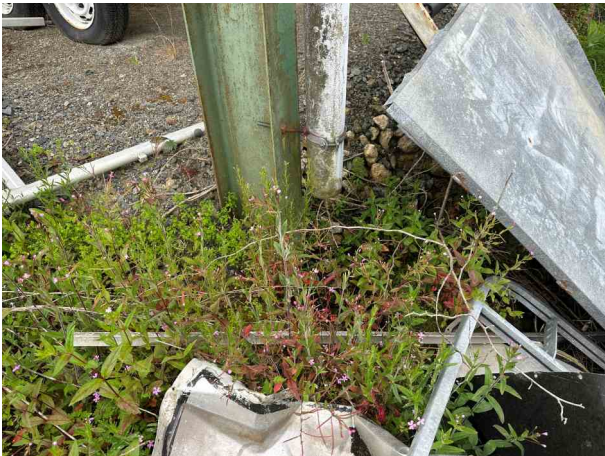
RWP2

## Project Pictures

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RWP3



RWP4



RWP5



RWP6



Grey water discharging to 'D'



Unidentified chamber

## Project Pictures

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Outfall

## Section Profile

**Project Name**  
Menzies Wood Farm

**Project Number**

**Project Date**  
08/07/2024

### Circular, 75 mm

Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
10	SW5	SW4	08/07/2024	Okehurst Road	Unidentified plastic	21.00 m	21.00 m

**Total: 1 Inspection x Circular 75 mm, 0 mm = 21.00 m Total Length and 21.00 m Inspected Length**

### Circular, 100 mm

Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
1	FP1	FW1	08/07/2024	Okehurst Road	Polyvinyl chloride	5.50 m	5.50 m
2	FP2	FW1	08/07/2024	Okehurst Road	Polyvinyl chloride	0.20 m	0.20 m
3	FW1	TP	08/07/2024	Okehurst Road	Polyvinyl chloride	13.80 m	13.80 m
4	SW2	SW1	08/07/2024	Okehurst Road	Vitrified clay	10.60 m	10.60 m
9	TP	SW4	08/07/2024	Okehurst Road	Polyvinyl chloride	7.80 m	7.80 m

**Total: 5 Inspections x Circular 100 mm, 0 mm = 37.90 m Total Length and 37.90 m Inspected Length**

### Circular, 150 mm

Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
12	SW4	SW6	08/07/2024	Okehurst Road	Polyvinyl chloride	6.80 m	6.80 m

**Total: 1 Inspection x Circular 150 mm, 0 mm = 6.80 m Total Length and 6.80 m Inspected Length**

### Circular, 225 mm

Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
13	SW7	SW6	08/07/2024	Okehurst Road	Concrete	2.10 m	2.10 m

**Total: 1 Inspection x Circular 225 mm, 0 mm = 2.10 m Total Length and 2.10 m Inspected Length**

**Total: 8 Inspections = 67.80 m Total Length and 67.80 m Inspected Length**

## Section Summary

<b>Project Name</b> Menzies Wood Farm	<b>Project Number</b>	<b>Project Date</b> 08/07/2024
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Number of sections	17
Total length of sections	223.95 m
Total length of inspected sections	223.90 m
Total length of not inspected sections	0.05 m
Number of abandoned inspections	9
Number of section inspection photos	116
Number of section inspection videos	17
Number of section inspection scans	0
Number of section inclination measurements	0

<b>PLR:</b>	FP1X	<b>Upstream Node:</b>	FP1
<b>Inspection Direction:</b>	Upstream	<b>Downstream Node:</b>	FW1
<b>Inspected Length:</b>	5.50 m	<b>Dia/Height:</b>	100 mm
<b>Total Length:</b>	5.50 m	<b>Material:</b>	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: FW1
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.30	JN	Junction at 3 o'clock, 100mm dia
4	0.50	WL	Water level, 10% of the vertical dimension, Continuous
5	2.00	JN	Junction at 3 o'clock, 100mm dia
6	2.40	DEC	Settled deposits, hard or compacted, 15% cross-sectional area loss
7	2.40	JN	Junction at 3 o'clock, 100mm dia
8	5.30	JN	Junction at 3 o'clock, 100mm dia
9	5.50	MHF	Finish node, manhole, reference: FP1, Small diameter pipe

<b>PLR:</b>	FP2X	<b>Upstream Node:</b>	FP2
<b>Inspection Direction:</b>	Upstream	<b>Downstream Node:</b>	FW1
<b>Inspected Length:</b>	0.20 m	<b>Dia/Height:</b>	100 mm
<b>Total Length:</b>	0.20 m	<b>Material:</b>	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: FW1
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.20	MHF	Finish node, manhole, reference: FP2

<b>PLR:</b>	FW1X	<b>Upstream Node:</b>	FW1
<b>Inspection Direction:</b>	Downstream	<b>Downstream Node:</b>	TP
<b>Inspected Length:</b>	13.80 m	<b>Dia/Height:</b>	100 mm
<b>Total Length:</b>	13.80 m	<b>Material:</b>	Polyvinyl chloride

## Section Summary

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No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: FW1
2	0.00	WL	Water level, 0% of the vertical dimension
3	1.40	LL	Line deviates left, start
4	4.50	LL	Line deviates left, finish
5	13.80	OCF	Finish node, other special chamber, reference: TP, Treatment Plant

<b>PLR:</b>	SW2X	<b>Upstream Node:</b>	SW2
<b>Inspection Direction:</b>	Upstream	<b>Downstream Node:</b>	SW1
<b>Inspected Length:</b>	10.60 m	<b>Dia/Height:</b>	100 mm
<b>Total Length:</b>	10.60 m	<b>Material:</b>	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW1, High level entry
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.20	LL	Line deviates left
4	0.60	DEC	Settled deposits, hard or compacted, 15% cross-sectional area loss, start
5	1.65	OJM	Open joint, medium, open
6	1.80	LL	Line deviates left
7	1.95	JDM	Joint displaced, medium
8	2.55	JDM	Joint displaced, medium
9	5.50	DEC	Settled deposits, hard or compacted, 20% cross-sectional area loss, change
10	8.40	JDM	Joint displaced, medium
11	9.00	DEC	Settled deposits, hard or compacted, 10% cross-sectional area loss, change
12	9.60	JDM	Joint displaced, medium
13	10.60	DEC	Settled deposits, hard or compacted, 10% cross-sectional area loss, finish
14	10.60	CPF	Finish node, catchpit, reference: SW2

<b>PLR:</b>	AX	<b>Upstream Node:</b>	A
<b>Inspection Direction:</b>	Upstream	<b>Downstream Node:</b>	SW1
<b>Inspected Length:</b>	3.90 m	<b>Dia/Height:</b>	100 mm
<b>Total Length:</b>	3.90 m	<b>Material:</b>	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW1
2	0.00	WL	Water level, 40% of the vertical dimension
3	0.00	CUW	Loss of vision, camera under water, start
4	3.90	CUW	Loss of vision, camera under water, finish
5	3.90	SA	Survey abandoned, Unknown obstruction, assumed redundant.

<b>PLR:</b>	BX	<b>Upstream Node:</b>	B
<b>Inspection Direction:</b>	Upstream	<b>Downstream Node:</b>	SW1
<b>Inspected Length:</b>	3.60 m	<b>Dia/Height:</b>	100 mm
<b>Total Length:</b>	3.60 m	<b>Material:</b>	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW1
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.30	DES	Settled deposits, fine, 50% cross-sectional area loss

## Section Summary

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No.	m+	Code	Observation
4	1.00	CUD	Loss of vision, silt, start
5	3.20	CUD	Loss of vision, silt, finish
6	3.60	DER	Settled deposits, coarse, 100% cross-sectional area loss
7	3.60	SA	Survey abandoned, Unable to continue, assumed redundant

<b>PLR:</b>	SW1X	<b>Upstream Node:</b>	SW1
<b>Inspection Direction:</b>	Downstream	<b>Downstream Node:</b>	C
<b>Inspected Length:</b>	9.30 m	<b>Dia/Height:</b>	100 mm
<b>Total Length:</b>	9.30 m	<b>Material:</b>	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW1
2	0.00	WL	Water level, 50% of the vertical dimension
3	0.00	CUW	Loss of vision, camera under water, start
4	9.30	CUW	Loss of vision, camera under water, finish
5	9.30	SA	Survey abandoned, Unable to continue, located under boundary wall

<b>PLR:</b>	SW3X	<b>Upstream Node:</b>	SW3
<b>Inspection Direction:</b>	Downstream	<b>Downstream Node:</b>	A
<b>Inspected Length:</b>	4.30 m	<b>Dia/Height:</b>	150 mm
<b>Total Length:</b>	4.30 m	<b>Material:</b>	Pitch fibre

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW3
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.00	DER	Settled deposits, coarse, 85% cross-sectional area loss, start
4	0.70	DER	Settled deposits, coarse, 45% cross-sectional area loss, change
5	1.70	DER	Settled deposits, coarse, 55% cross-sectional area loss, change
6	2.00	DER	Settled deposits, coarse, 70% cross-sectional area loss, change
7	3.00	DER	Settled deposits, coarse, 60% cross-sectional area loss, change
8	3.90	DER	Settled deposits, coarse, 80% cross-sectional area loss, change
9	4.30	DER	Settled deposits, coarse, 80% cross-sectional area loss, finish
10	4.30	DER	Settled deposits, coarse, 90% cross-sectional area loss
11	4.30	SA	Survey abandoned, Unable to continue

<b>PLR:</b>	TPX	<b>Upstream Node:</b>	TP
<b>Inspection Direction:</b>	Upstream	<b>Downstream Node:</b>	SW4
<b>Inspected Length:</b>	7.80 m	<b>Dia/Height:</b>	100 mm
<b>Total Length:</b>	7.80 m	<b>Material:</b>	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	CP	Start node, catchpit, reference: SW4
2	0.00	WL	Water level, 0% of the vertical dimension
3	1.20	FC	Fracture, circumferential from 12 o'clock to 12 o'clock
4	7.35	LR	Line deviates right
5	7.80	OCF	Finish node, other special chamber, reference: TP, Treatment Plant

## Section Summary

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<b>PLR:</b>	SW5X	<b>Upstream Node:</b>	SW5
<b>Inspection Direction:</b>	Upstream	<b>Downstream Node:</b>	SW4
<b>Inspected Length:</b>	21.00 m	<b>Dia/Height:</b>	75 mm
<b>Total Length:</b>	21.00 m	<b>Material:</b>	Unidentified plastic

No.	m+	Code	Observation
1	0.00	CP	Start node, catchpit, reference: SW4, Perforated land drain
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.20	LR	Line deviates right
4	1.60	LL	Line deviates left
5	4.30	DES	Settled deposits, fine, 10% cross-sectional area loss, start
6	8.50	DES	Settled deposits, fine, 10% cross-sectional area loss, finish
7	21.00	CPF	Finish node, catchpit, reference: SW5

<b>PLR:</b>	DX	<b>Upstream Node:</b>	D
<b>Inspection Direction:</b>	Upstream	<b>Downstream Node:</b>	SW5
<b>Inspected Length:</b>	3.50 m	<b>Dia/Height:</b>	75 mm
<b>Total Length:</b>	3.50 m	<b>Material:</b>	Unidentified plastic

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW4, Perforated land drain
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.30	DES	Settled deposits, fine, 25% cross-sectional area loss
4	2.00	DES	Settled deposits, fine, 15% cross-sectional area loss, start
5	3.20	DES	Settled deposits, fine, 50% cross-sectional area loss, change
6	3.50	DES	Settled deposits, fine, 50% cross-sectional area loss, finish
7	3.50	DER	Settled deposits, coarse, 90% cross-sectional area loss
8	3.50	SA	Survey abandoned, Unable to continue

<b>PLR:</b>	SW4X	<b>Upstream Node:</b>	SW4
<b>Inspection Direction:</b>	Downstream	<b>Downstream Node:</b>	SW6
<b>Inspected Length:</b>	6.80 m	<b>Dia/Height:</b>	150 mm
<b>Total Length:</b>	6.80 m	<b>Material:</b>	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW4
2	0.00	WL	Water level, 0% of the vertical dimension
3	6.80	MHF	Finish node, manhole, reference: SW6

<b>PLR:</b>	SW7X	<b>Upstream Node:</b>	SW7
<b>Inspection Direction:</b>	Upstream	<b>Downstream Node:</b>	SW6
<b>Inspected Length:</b>	2.10 m	<b>Dia/Height:</b>	225 mm
<b>Total Length:</b>	2.10 m	<b>Material:</b>	Concrete

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW6
2	0.00	WL	Water level, 0% of the vertical dimension
3	2.10	MHF	Finish node, manhole, reference: SW7, Buried. Cover collapsed

## Section Summary

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<b>PLR:</b>		SW8X	<b>Upstream Node:</b>	SW8
<b>Inspection Direction:</b>		Upstream	<b>Downstream Node:</b>	SW7
<b>Inspected Length:</b>		65.20 m	<b>Dia/Height:</b>	225 mm
<b>Total Length:</b>		65.20 m	<b>Material:</b>	Concrete
No.	m+	Code	Observation	
1	0.00	MH	Start node, manhole, reference: SW7	
2	0.00	WL	Water level, 0% of the vertical dimension	
3	17.50	WL	Water level, 10% of the vertical dimension	
4	28.20	H	Hole in drain or sewer at 12 o'clock	
5	28.20	RT	Roots, tap	
6	47.70	RPH	Point repair, hole repaired from 11 o'clock to 2 o'clock	
7	62.20	RFJ	Roots, fine at joint	
8	63.00	RFJ	Roots, fine at joint	
9	64.00	RFJ	Roots, fine at joint	
10	65.20	RMJ	Roots, mass at joint, 10% cross-sectional area loss	
11	65.20	SA	Survey abandoned, Unable to continue. Acoustic tested to prove connectivity	
<b>PLR:</b>		SW6X	<b>Upstream Node:</b>	SW6
<b>Inspection Direction:</b>		Downstream	<b>Downstream Node:</b>	JN
<b>Inspected Length:</b>		27.40 m	<b>Dia/Height:</b>	225 mm
<b>Total Length:</b>		27.45 m	<b>Material:</b>	Concrete
No.	m+	Code	Observation	
1	0.00	MH	Start node, manhole, reference: SW6	
2	0.00	WL	Water level, 0% of the vertical dimension	
3	0.60	RFJ	Roots, fine at joint, start	
4	7.30	RFJ	Roots, fine at joint	
5	7.30	RTJ	Roots, tap at joint	
6	17.50	RTJ	Roots, tap at joint	
7	21.00	RMJ	Roots, mass at joint, 20% cross-sectional area loss	
8	21.00	RTJ	Roots, tap at joint	
9	25.40	DES	Settled deposits, fine, 10% cross-sectional area loss	
10	27.15	RM	Roots, mass, 25% cross-sectional area loss	
11	27.40	RFJ	Roots, fine at joint, finish	
12	27.40	RTJ	Roots, tap at joint	
13	27.40	RMJ	Roots, mass at joint, 40% cross-sectional area loss	
14	27.40	SA	Survey abandoned, Unable to continue	
<b>PLR:</b>		AX	<b>Upstream Node:</b>	A
<b>Inspection Direction:</b>		Upstream	<b>Downstream Node:</b>	SW9
<b>Inspected Length:</b>		30.30 m	<b>Dia/Height:</b>	300 mm
<b>Total Length:</b>		30.30 m	<b>Material:</b>	Concrete
No.	m+	Code	Observation	
1	0.00	MH	Start node, manhole, reference: SW7	
2	0.00	WL	Water level, 0% of the vertical dimension	
3	1.00	JN	Junction at 3 o'clock, 300mm dia	
4	1.40	SC	Pipe size changes, new size(s), 225mm high, 225mm wide	

## Section Summary

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No.	m+	Code	Observation
5	2.40	WL	Water level, 20% of the vertical dimension
6	2.90	SC	Pipe size changes, new size(s), 150mm high
7	2.90	LR	Line deviates right
8	12.10	FC	Fracture, circumferential from 12 o'clock to 12 o'clock
9	12.70	RPH	Point repair, hole repaired from 10 o'clock to 2 o'clock
10	12.80	FC	Fracture, circumferential from 3 o'clock to 9 o'clock
11	17.60	DEEJ	Attached deposits, encrustation at joint from 12 o'clock to 12 o'clock, 40% cross-sectional area loss
12	24.80	CX	Connection defective at 3 o'clock, 150mm dia, Assumed to serve neighbouring FW treatment plant
13	24.90	DEC	Settled deposits, hard or compacted, 20% cross-sectional area loss, start
14	26.00	DEC	Settled deposits, hard or compacted, 20% cross-sectional area loss, finish
15	26.60	RFJ	Roots, fine at joint
16	27.60	RFJ	Roots, fine at joint
17	28.80	DER	Settled deposits, coarse, 15% cross-sectional area loss, start
18	29.00	DER	Settled deposits, coarse, 25% cross-sectional area loss, change
19	29.40	FC	Fracture, circumferential from 8 o'clock to 4 o'clock
20	29.40	RF	Roots, fine
21	30.30	DER	Settled deposits, coarse, 25% cross-sectional area loss, finish
22	30.30	XP	Collapsed drain or sewer, 100% cross-sectional area loss
23	30.30	SA	Survey abandoned, Unable to continue

<b>PLR:</b>	AX	<b>Upstream Node:</b>	A
<b>Inspection Direction:</b>	Upstream	<b>Downstream Node:</b>	Outfall
<b>Inspected Length:</b>	8.60 m	<b>Dia/Height:</b>	150 mm
<b>Total Length:</b>	8.60 m	<b>Material:</b>	Concrete

No.	m+	Code	Observation
1	0.00	OF	Start node, outfall, reference: Outfall
2	0.00	WL	Water level, 0% of the vertical dimension
3	1.00	OJL	Open joint, large
4	1.00	LL	Line deviates left
5	3.30	RFJ	Roots, fine at joint
6	4.50	RMJ	Roots, mass at joint, 15% cross-sectional area loss
7	5.50	RMJ	Roots, mass at joint, 25% cross-sectional area loss
8	7.40	LR	Line deviates right
9	7.40	RMJ	Roots, mass at joint, 20% cross-sectional area loss
10	7.40	H	Hole in drain or sewer from 7 o'clock to 11 o'clock
11	8.40	RM	Roots, mass, 20% cross-sectional area loss
12	8.60	RM	Roots, mass, 55% cross-sectional area loss
13	8.60	SA	Survey abandoned, Unable to pass, serving unknown



Item No. 1	Insp. No. 1	Date 08/07/24	Time 9:24	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR FP1X
Operator ML		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

<b>Town or Village:</b>	Billingshurst	<b>Inspection Direction:</b> Upstream		<b>Upstream Node:</b>	FP1
<b>Road:</b>	Okehurst Road	<b>Inspected Length:</b> 5.50 m		<b>Upstream Pipe Depth:</b>	
<b>Location:</b>	Fields, farmland etc	<b>Total Length:</b> 5.50 m		<b>Downstream Node:</b>	FW1
<b>Surface Type:</b>	Various	<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.380 m
<b>Use:</b>	Foul		<b>Pipe Shape:</b>	Circular	
<b>Type of Pipe:</b>	Gravity drain/sewer		<b>Dia/Height:</b>	100 mm	
<b>Flow Control:</b>	No flow control		<b>Material:</b>	Polyvinyl chloride	
<b>Year Constructed:</b>	Not Specified		<b>Lining Type:</b>	No Lining	
<b>Inspection Purpose:</b>	Routine inspection		<b>Lining Material:</b>	No Lining	
<b>Comments:</b>	FW1 Upstream To Svp				
<b>Recommendations:</b>					

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade																																																		
<div><div><div>Depth: 0.38 m</div><div>FW1</div><div>0.00</div><div>0.00</div><div>0.30</div><div>0.50</div><div>2.00</div><div>2.40</div><div>2.40</div><div>5.30</div><div>5.50</div><div>FP1</div><div>Depth: m</div></div><table><tr><th>Code</th><th>Observation</th><th>MPEG</th><th>Photo</th><th>Grade</th></tr><tr><td>MH</td><td>Start node, manhole, reference: FW1</td><td>00:00:00</td><td>1</td><td></td></tr><tr><td>WL</td><td>Water level, 0% of the vertical dimension</td><td>00:00:01</td><td></td><td></td></tr><tr><td>JN</td><td>Junction at 3 o'clock, 100mm dia</td><td>00:00:15</td><td>2</td><td></td></tr><tr><td>WL</td><td>Water level, 10% of the vertical dimension: Continuous</td><td>00:00:22</td><td>3</td><td></td></tr><tr><td>JN</td><td>Junction at 3 o'clock, 100mm dia</td><td>00:00:36</td><td>4</td><td></td></tr><tr><td>DEC</td><td>Settled deposits, hard or compacted, 15% cross-sectional area loss</td><td>00:00:48</td><td>5</td><td>3</td></tr><tr><td>JN</td><td>Junction at 3 o'clock, 100mm dia</td><td>00:00:48</td><td>6</td><td></td></tr><tr><td>JN</td><td>Junction at 3 o'clock, 100mm dia</td><td>00:01:18</td><td>7</td><td></td></tr><tr><td>MHF</td><td>Finish node, manhole, reference: FP1: Small diameter pipe</td><td>00:01:21</td><td>8</td><td></td></tr></table></div>								Code	Observation	MPEG	Photo	Grade	MH	Start node, manhole, reference: FW1	00:00:00	1		WL	Water level, 0% of the vertical dimension	00:00:01			JN	Junction at 3 o'clock, 100mm dia	00:00:15	2		WL	Water level, 10% of the vertical dimension: Continuous	00:00:22	3		JN	Junction at 3 o'clock, 100mm dia	00:00:36	4		DEC	Settled deposits, hard or compacted, 15% cross-sectional area loss	00:00:48	5	3	JN	Junction at 3 o'clock, 100mm dia	00:00:48	6		JN	Junction at 3 o'clock, 100mm dia	00:01:18	7		MHF	Finish node, manhole, reference: FP1: Small diameter pipe	00:01:21	8	
Code	Observation	MPEG	Photo	Grade																																																					
MH	Start node, manhole, reference: FW1	00:00:00	1																																																						
WL	Water level, 0% of the vertical dimension	00:00:01																																																							
JN	Junction at 3 o'clock, 100mm dia	00:00:15	2																																																						
WL	Water level, 10% of the vertical dimension: Continuous	00:00:22	3																																																						
JN	Junction at 3 o'clock, 100mm dia	00:00:36	4																																																						
DEC	Settled deposits, hard or compacted, 15% cross-sectional area loss	00:00:48	5	3																																																					
JN	Junction at 3 o'clock, 100mm dia	00:00:48	6																																																						
JN	Junction at 3 o'clock, 100mm dia	00:01:18	7																																																						
MHF	Finish node, manhole, reference: FP1: Small diameter pipe	00:01:21	8																																																						

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	0.4	2.0	3.0

## Section Pictures - 08/07/2024 - FP1X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Upstream	FP1X		



1, 00:00:00, 0.00 m  
Start node, manhole, reference: FW1



2, 00:00:15, 0.30 m  
Junction at 3 o'clock, 100mm dia



3, 00:00:22, 0.50 m  
Water level, 10% of the vertical dimension, Continuous



4, 00:00:36, 2.00 m  
Junction at 3 o'clock, 100mm dia



5, 00:00:48, 2.40 m  
Settled deposits, hard or compacted, 15% cross-sectional area loss



6, 00:00:48, 2.40 m  
Junction at 3 o'clock, 100mm dia

## Section Pictures - 08/07/2024 - FP1X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Upstream	FP1X		



7, 00:01:18, 5.30 m  
Junction at 3 o'clock, 100mm dia



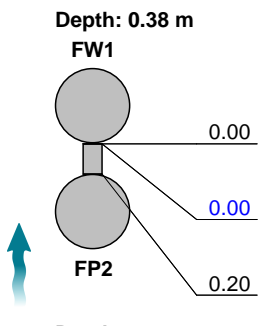
8, 00:01:21, 5.50 m  
Finish node, manhole, reference: FP1, Small diameter pipe

## Section Inspection - 08/07/2024 - FP2X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
2	1	08/07/24	9:27	Not Specified	No Rain Or Snow	No	FP2X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
ML		Not Specified		Not Specified	Not Specified	Private Drain	Not Specified

<b>Town or Village:</b>	Billingshurst	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	FP2
<b>Road:</b>	Okehurst Road	<b>Inspected Length:</b>	0.20 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>	Fields, farmland etc	<b>Total Length:</b>	0.20 m	<b>Downstream Node:</b>	FW1
<b>Surface Type:</b>	Various	<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.380 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyvinyl chloride		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Routine inspection	<b>Lining Material:</b>	No Lining		

**Comments:**  
**Recommendations:**

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
							
		0.00	MH	Start node, manhole, reference: FW1	00:00:20		
		0.00	WL	Water level, 0% of the vertical dimension	00:00:30	1	
		0.20	MHF	Finish node, manhole, reference: FP2	00:00:01	2	

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 - 08/07/2024 - FP2X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Upstream	FP2X		



1, 00:00:30, 0.00 m  
Water level, 0% of the vertical dimension



2, 00:00:01, 0.20 m  
Finish node, manhole, reference: FP2

## Section Inspection - 08/07/2024 - FW1X

<b>Item No.</b> 3	<b>Insp. No.</b> 1	<b>Date</b> 08/07/24	<b>Time</b> 9:30	<b>Client's Job Ref</b> Not Specified	<b>Weather</b> No Rain Or Snow	<b>Pre Cleaned</b> No	<b>PLR</b> FW1X
<b>Operator</b> ML		<b>Vehicle</b> Not Specified		<b>Camera</b> Not Specified	<b>Preset Length</b> Not Specified	<b>Legal Status</b> Private Drain	<b>Alternative ID</b> Not Specified

<b>Town or Village:</b>	Billingshurst	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	FW1
<b>Road:</b>	Okehurst Road	<b>Inspected Length:</b>	13.80 m	<b>Upstream Pipe Depth:</b>	0.380 m
<b>Location:</b>	Fields, farmland etc	<b>Total Length:</b>	13.80 m	<b>Downstream Node:</b>	TP
<b>Surface Type:</b>	Various	<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Foul		<b>Pipe Shape:</b>	Circular	
<b>Type of Pipe:</b>	Gravity drain/sewer		<b>Dia/Height:</b>	100 mm	
<b>Flow Control:</b>	No flow control		<b>Material:</b>	Polyvinyl chloride	
<b>Year Constructed:</b>	Not Specified		<b>Lining Type:</b>	No Lining	
<b>Inspection Purpose:</b>	Routine inspection		<b>Lining Material:</b>	No Lining	

Comments:

**Recommendations:**

Scale:	1:120	Position [m]	Code	Observation	MPEG	Photo	Grade																						
<div><div><div>Depth: 0.38 m</div><div>FW1</div><div>0.00</div><div>0.00</div><div>1.40</div><div>4.50</div><div>13.80</div><div>TP</div><div>Depth: m</div></div><table><tr><td>MH</td><td>Start node, manhole, reference: FW1</td><td>00:00:00</td><td>1</td></tr><tr><td>WL</td><td>Water level, 0% of the vertical dimension</td><td>00:00:10</td><td></td></tr><tr><td>S01</td><td>LL</td><td>Line deviates left, start</td><td>00:00:10</td><td>2</td></tr><tr><td>F01</td><td>LL</td><td>Line deviates left, finish</td><td>00:00:23</td><td>3</td></tr><tr><td>OCF</td><td>Finish node, other special chamber, reference: TP: Treatment Plant</td><td>00:01:18</td><td>4</td></tr></table></div>								MH	Start node, manhole, reference: FW1	00:00:00	1	WL	Water level, 0% of the vertical dimension	00:00:10		S01	LL	Line deviates left, start	00:00:10	2	F01	LL	Line deviates left, finish	00:00:23	3	OCF	Finish node, other special chamber, reference: TP: Treatment Plant	00:01:18	4
MH	Start node, manhole, reference: FW1	00:00:00	1																										
WL	Water level, 0% of the vertical dimension	00:00:10																											
S01	LL	Line deviates left, start	00:00:10	2																									
F01	LL	Line deviates left, finish	00:00:23	3																									
OCF	Finish node, other special chamber, reference: TP: Treatment Plant	00:01:18	4																										

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 - 08/07/2024 - FW1X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
3	Downstream	FW1X		



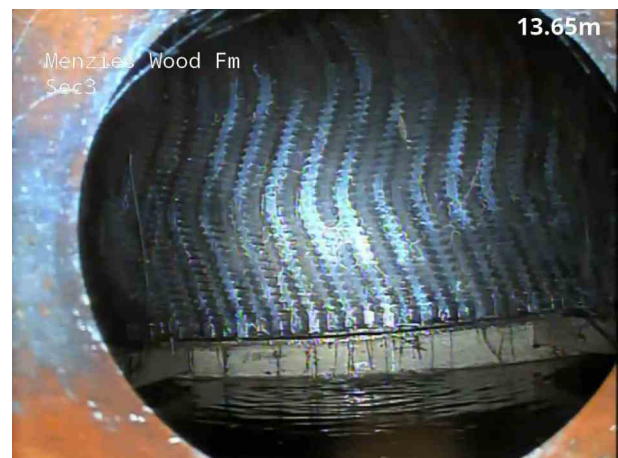
1, 00:00:00, 0.00 m  
Start node, manhole, reference: FW1



2, 00:00:10, 1.40 m  
Line deviates left, start



3, 00:00:23, 4.50 m  
Line deviates left, finish



4, 00:01:18, 13.80 m  
Finish node, other special chamber, reference: TP, Treatment Plant

## Section Inspection - 08/07/2024 - SW2X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
4	1	08/07/24	9:47	Not Specified	No Rain Or Snow	No	SW2X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
ML		Not Specified		Not Specified	Not Specified	Private Drain	Not Specified

<b>Town or Village:</b>	Billingshurst	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	SW2
<b>Road:</b>	Okehurst Road	<b>Inspected Length:</b>	10.60 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>	Fields, farmland etc	<b>Total Length:</b>	10.60 m	<b>Downstream Node:</b>	SW1
<b>Surface Type:</b>	Various	<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.740 m
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Vitrified clay		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Routine inspection	<b>Lining Material:</b>	No Lining		

**Comments:**
**Recommendations:**

Scale:	1:92	Position [m]	Code	Observation	MPEG	Photo	Grade
<div> <div> <div>Depth: 0.74 m</div> <div>SW1</div> </div> </div>							
		0.00	MH	Start node, manhole, reference: SW1: High level entry	00:00:00	1	
		0.00	WL	Water level, 0% of the vertical dimension	00:02:24	2	
		0.20	LL	Line deviates left	00:00:05		
		0.60	S01 DEC	Settled deposits, hard or compacted, 15% cross-sectional area loss, start	00:00:31	3	
		1.65	OJM	Open joint, medium: open	00:00:39	4	1
		1.80	LL	Line deviates left	00:00:39	5	
		1.95	JDM	Joint displaced, medium	00:00:46	6	1 / 3
		2.55	JDM	Joint displaced, medium	00:01:02	7	1 / 3
		5.50	C01 DEC	Settled deposits, hard or compacted, 20% cross-sectional area loss, change	00:01:30	8	
		8.40	JDM	Joint displaced, medium	00:01:56	9	1 / 3
		9.00	C01 DEC	Settled deposits, hard or compacted, 10% cross-sectional area loss, change	00:02:03	10	
		9.60	JDM	Joint displaced, medium	00:02:07	11	1 / 3
		10.60	F01 DEC	Settled deposits, hard or compacted, 10% cross-sectional area loss, finish			3
		10.60	CPF	Finish node, catchpit, reference: SW2		12	
		SW2					
		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
5	1.0	0.5	5.0	1.0	5	4.0	2.6	28.0	4.0

## Section Pictures - 08/07/2024 - SW2X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Upstream	SW2X		



1, 00:00:00, 0.00 m  
Start node, manhole, reference: SW1, High level entry



2, 00:02:24, 0.00 m  
Water level, 0% of the vertical dimension



3, 00:00:31, 0.60 m  
Settled deposits, hard or compacted, 15% cross-sectional area loss, start



4, 00:00:39, 1.65 m  
Open joint, medium, open



5, 00:00:39, 1.80 m  
Line deviates left



6, 00:00:46, 1.95 m  
Joint displaced, medium

## Section Pictures - 08/07/2024 - SW2X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Upstream	SW2X		



7, 00:01:02, 2.55 m  
Joint displaced, medium



8, 00:01:30, 5.50 m  
Settled deposits, hard or compacted, 20% cross-sectional area loss, change



9, 00:01:56, 8.40 m  
Joint displaced, medium



10, 00:02:03, 9.00 m  
Settled deposits, hard or compacted, 10% cross-sectional area loss, change



11, 00:02:07, 9.60 m  
Joint displaced, medium



12, 10.60 m  
Finish node, catchpit, reference: SW2

## Section Inspection - 08/07/2024 - AX

Item No. 5	Insp. No. 1	Date 08/07/24	Time 9:54	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR AX
Operator ML		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

<b>Town or Village:</b>	Billingshurst	<b>Inspection Direction:</b> Upstream		<b>Upstream Node:</b>	A
<b>Road:</b>	Okehurst Road	<b>Inspected Length:</b> 3.90 m		<b>Upstream Pipe Depth:</b>	
<b>Location:</b>	Fields, farmland etc	<b>Total Length:</b> 3.90 m		<b>Downstream Node:</b>	SW1
<b>Surface Type:</b>	Various	<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.740 m
<b>Use:</b>	Surface water			<b>Pipe Shape:</b>	Circular
<b>Type of Pipe:</b>	Gravity drain/sewer			<b>Dia/Height:</b>	100 mm
<b>Flow Control:</b>	No flow control			<b>Material:</b>	Vitrified clay
<b>Year Constructed:</b>	Not Specified			<b>Lining Type:</b>	No Lining
<b>Inspection Purpose:</b>	Routine inspection			<b>Lining Material:</b>	No Lining
<b>Comments:</b>	Located Within Property				
<b>Recommendations:</b>					

Scale: 1:50

Position [m]

Code

Observation

MPEG

Photo

Grade

Depth: 0.74 m

SW1



0.00	MH		Start node, manhole, reference: SW1	00:00:00		
0.00	WL		Water level, 40% of the vertical dimension	00:00:11	1	
0.00	S01	CUW	Loss of vision, camera under water, start	00:00:12		
3.90	F01	CUW	Loss of vision, camera under water, finish	00:00:11		
3.90	SA		Survey abandoned: Unknown obstruction, assumed redundant.	00:00:11		

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 - 08/07/2024 - AX

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



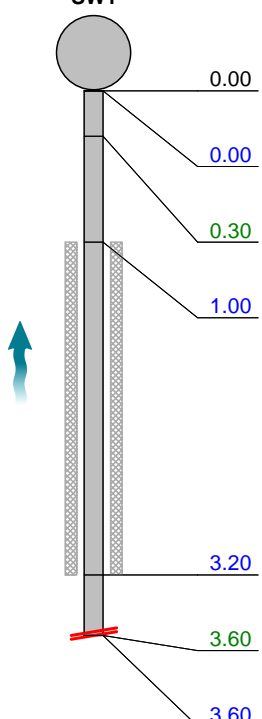
1, 00:00:11, 0.00 m  
Water level, 40% of the vertical dimension

## Section Inspection - 08/07/2024 - BX

Item No. 6	Insp. No. 1	Date 08/07/24	Time 10:02	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR BX
Operator ML		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

<b>Town or Village:</b>	Billingshurst	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	B
<b>Road:</b>	Okehurst Road	<b>Inspected Length:</b>	3.60 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>	Fields, farmland etc	<b>Total Length:</b>	3.60 m	<b>Downstream Node:</b>	SW1
<b>Surface Type:</b>	Various	<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.740 m
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Vitrified clay		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Routine inspection	<b>Lining Material:</b>	No Lining		

**Comments:**  
**Recommendations:**

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade																																												
<div><div><div>Depth: 0.74 m SW1</div></div><table><tr><td>0.00</td><td>MH</td><td>Start node, manhole, reference: SW1</td><td>00:00:00</td><td></td><td></td></tr><tr><td>0.00</td><td>WL</td><td>Water level, 0% of the vertical dimension</td><td>00:01:12</td><td>1</td><td></td></tr><tr><td>0.30</td><td>DES</td><td>Settled deposits, fine, 50% cross-sectional area loss</td><td>00:00:06</td><td>2</td><td>4</td></tr><tr><td>1.00</td><td>S01</td><td>CUD</td><td>Loss of vision, silt, start</td><td>00:00:26</td><td>3</td><td></td></tr><tr><td>3.20</td><td>F01</td><td>CUD</td><td>Loss of vision, silt, finish</td><td>00:00:51</td><td>4</td><td></td></tr><tr><td>3.60</td><td>DER</td><td>Settled deposits, coarse, 100% cross-sectional area loss</td><td>00:00:51</td><td>5</td><td>5</td></tr><tr><td>3.60</td><td>SA</td><td>Survey abandoned: Unable to continue, assumed redundant</td><td>00:00:51</td><td>6</td><td></td></tr></table></div>								0.00	MH	Start node, manhole, reference: SW1	00:00:00			0.00	WL	Water level, 0% of the vertical dimension	00:01:12	1		0.30	DES	Settled deposits, fine, 50% cross-sectional area loss	00:00:06	2	4	1.00	S01	CUD	Loss of vision, silt, start	00:00:26	3		3.20	F01	CUD	Loss of vision, silt, finish	00:00:51	4		3.60	DER	Settled deposits, coarse, 100% cross-sectional area loss	00:00:51	5	5	3.60	SA	Survey abandoned: Unable to continue, assumed redundant	00:00:51	6	
0.00	MH	Start node, manhole, reference: SW1	00:00:00																																																
0.00	WL	Water level, 0% of the vertical dimension	00:01:12	1																																															
0.30	DES	Settled deposits, fine, 50% cross-sectional area loss	00:00:06	2	4																																														
1.00	S01	CUD	Loss of vision, silt, start	00:00:26	3																																														
3.20	F01	CUD	Loss of vision, silt, finish	00:00:51	4																																														
3.60	DER	Settled deposits, coarse, 100% cross-sectional area loss	00:00:51	5	5																																														
3.60	SA	Survey abandoned: Unable to continue, assumed redundant	00:00:51	6																																															

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	2	10.0	5.0	18.0	5.0

## Section Pictures - 08/07/2024 - BX

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



1, 00:01:12, 0.00 m  
Water level, 0% of the vertical dimension



2, 00:00:06, 0.30 m  
Settled deposits, fine, 50% cross-sectional area loss



3, 00:00:26, 1.00 m  
Loss of vision, silt, start



4, 00:00:51, 3.20 m  
Loss of vision, silt, finish



5, 00:00:51, 3.60 m  
Settled deposits, coarse, 100% cross-sectional area loss



6, 00:00:51, 3.60 m  
Survey abandoned, Unable to continue, assumed redundant



### Section Inspection - 08/07/2024 - SW1X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
7	1	08/07/24	10:07	Not Specified	No Rain Or Snow	No	SW1X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
ML		Not Specified		Not Specified	Not Specified	Private Drain	Not Specified

<b>Town or Village:</b>	Billingshurst	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	SW1
<b>Road:</b>	Okehurst Road	<b>Inspected Length:</b>	9.30 m	<b>Upstream Pipe Depth:</b>	0.740 m
<b>Location:</b>	Fields, farmland etc	<b>Total Length:</b>	9.30 m	<b>Downstream Node:</b>	C
<b>Surface Type:</b>	Various	<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Vitrified clay		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Routine inspection	<b>Lining Material:</b>	No Lining		

**Comments:**

**Recommendations:**

Scale:	1:81	Position [m]	Code	Observation	MPEG	Photo	Grade
<div> <p>Depth: 0.74 m</p> <p>SW1</p> </div>							
		0.00	MH	Start node, manhole, reference: SW1	00:00:00		
		0.00	WL	Water level, 50% of the vertical dimension	00:00:00	1	
		0.00	S01 CUW	Loss of vision, camera under water, start	00:01:05	2	
		9.30	F01 CUW	Loss of vision, camera under water, finish	00:01:05		
		9.30	SA	Survey abandoned: Unable to continue, located under boundary wall	00:01:05		

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 - 08/07/2024 - SW1X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
7	Downstream	SW1X		



1, 00:00:00, 0.00 m  
Water level, 50% of the vertical dimension



2, 00:01:05, 0.00 m  
Loss of vision, camera under water, start

## Section Inspection - 08/07/2024 - SW3X

Item No. 8	Insp. No. 1	Date 08/07/24	Time 10:19	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR SW3X
Operator ML		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Billingshurst	Inspection Direction:	Downstream	Upstream Node:	SW3
Road:	Okehurst Road	Inspected Length:	4.30 m	Upstream Pipe Depth:	0.330 m
Location:	Fields, farmland etc	Total Length:	4.30 m	Downstream Node:	A
Surface Type:	Various	Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Material:	Pitch fibre		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

**Comments:**  
**Recommendations:**

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
<div> <p>Depth: 0.33 m SW3</p>  </div>							
	0.00	MH		Start node, manhole, reference: SW3	00:00:00	1	
	0.00	WL		Water level, 0% of the vertical dimension	00:00:04		
	0.00	S02	DER	Settled deposits, coarse, 85% cross-sectional area loss, start	00:00:04	2	
	0.70	C02	DER	Settled deposits, coarse, 45% cross-sectional area loss, change	00:00:23	3	
	1.70	C02	DER	Settled deposits, coarse, 55% cross-sectional area loss, change	00:00:33	4	
	2.00	C02	DER	Settled deposits, coarse, 70% cross-sectional area loss, change	00:00:44	5	
	3.00	C02	DER	Settled deposits, coarse, 60% cross-sectional area loss, change	00:01:10	6	
	3.90	C02	DER	Settled deposits, coarse, 80% cross-sectional area loss, change	00:01:21	7	
	4.30	F02	DER	Settled deposits, coarse, 80% cross-sectional area loss, finish	00:01:29		5
	4.30		DER	Settled deposits, coarse, 90% cross-sectional area loss	00:01:29	8	5
	4.30	SA		Survey abandoned: Unable to continue	00:01:29	9	

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	2	20.0	14.0	60.0	5.0

## Section Pictures - 08/07/2024 - SW3X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Downstream	SW3X		



1, 00:00:00, 0.00 m  
Start node, manhole, reference: SW3



2, 00:00:04, 0.00 m  
Settled deposits, coarse, 85% cross-sectional area loss, start



3, 00:00:23, 0.70 m  
Settled deposits, coarse, 45% cross-sectional area loss, change



4, 00:00:33, 1.70 m  
Settled deposits, coarse, 55% cross-sectional area loss, change



5, 00:00:44, 2.00 m  
Settled deposits, coarse, 70% cross-sectional area loss, change



6, 00:01:10, 3.00 m  
Settled deposits, coarse, 60% cross-sectional area loss, change

## Section Pictures - 08/07/2024 - SW3X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Downstream	SW3X		



7, 00:01:21, 3.90 m  
Settled deposits, coarse, 80% cross-sectional area loss, change



8, 00:01:29, 4.30 m  
Settled deposits, coarse, 90% cross-sectional area loss



9, 00:01:29, 4.30 m  
Survey abandoned, Unable to continue



## Section Inspection - 08/07/2024 - TPX

Item No. 9	Insp. No. 1	Date 08/07/24	Time 10:29	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR TPX
Operator ML		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Billingshurst	Inspection Direction:	Upstream	Upstream Node:	TP
Road:	Okehurst Road	Inspected Length:	7.80 m	Upstream Pipe Depth:	
Location:	Fields, farmland etc	Total Length:	7.80 m	Downstream Node:	SW4
Surface Type:	Various	Joint Length:		Downstream Pipe Depth:	0.680 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

## Comments:

## Recommendations:

Scale:	1:68	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.68 m SW4							
	0.00	CP	Start node, catchpit, reference: SW4		00:00:00	1	
	0.00	WL	Water level, 0% of the vertical dimension		00:00:51		
	1.20	FC	Fracture, circumferential from 12 o'clock to 12 o'clock		00:00:14	2	3 / 2
	7.35	LR	Line deviates right		00:00:45	3	
	7.80	OCF	Finish node, other special chamber, reference: TP: Treatment Plant		00:00:51	4	
TP Depth: m							

## Construction Features

## Miscellaneous Features

## Structural Defects

## Service &amp; Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	40.0	5.1	40.0	3.0	1	1.0	0.1	1.0	2.0

## Section Pictures - 08/07/2024 - TPX

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



1, 00:00:00, 0.00 m  
Start node, catchpit, reference: SW4



2, 00:00:14, 1.20 m  
Fracture, circumferential from 12 o'clock to 12 o'clock



3, 00:00:45, 7.35 m  
Line deviates right



4, 00:00:51, 7.80 m  
Finish node, other special chamber, reference: TP, Treatment Plant



## Section Inspection - 08/07/2024 - SW5X

Item No. 10	Insp. No. 1	Date 08/07/24	Time 10:38	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR SW5X
Operator ML		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Billingshurst	Inspection Direction:	Upstream	Upstream Node:	SW5
Road:	Okehurst Road	Inspected Length:	21.00 m	Upstream Pipe Depth:	0.180 m
Location:	Fields, farmland etc	Total Length:	21.00 m	Downstream Node:	SW4
Surface Type:	Various	Joint Length:		Downstream Pipe Depth:	0.330 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	75 mm		
Flow Control:	No flow control	Material:	Unidentified plastic		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

## Comments:

## Recommendations:

Scale: 1:182	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.33 m SW4						
0.00	CP	Start node, catchpit, reference: SW4: Perforated land drain	00:00:00	1		
0.00	WL	Water level, 0% of the vertical dimension	00:00:15	2		
0.20	LR	Line deviates right	00:00:14	3		
1.60	LL	Line deviates left	00:00:29	4		
4.30	S01 DES	Settled deposits, fine, 10% cross-sectional area loss, start	00:00:52	5		
8.50	F01 DES	Settled deposits, fine, 10% cross-sectional area loss, finish	00:01:19	6		3
21.00	CPF	Finish node, catchpit, reference: SW5	00:02:24	7		
SW5 Depth: 0.18 m						

## Construction Features

## Miscellaneous Features

## Structural Defects

## Service &amp; 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	0.5	10.0	3.0

## Section Pictures - 08/07/2024 - SW5X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
10	Upstream	SW5X		



1, 00:00:00, 0.00 m  
Start node, catchpit, reference: SW4, Perforated land drain



2, 00:00:15, 0.00 m  
Water level, 0% of the vertical dimension



3, 00:00:14, 0.20 m  
Line deviates right



4, 00:00:29, 1.60 m  
Line deviates left



5, 00:00:52, 4.30 m  
Settled deposits, fine, 10% cross-sectional area loss, start



6, 00:01:19, 8.50 m  
Settled deposits, fine, 10% cross-sectional area loss, finish

## Section Pictures - 08/07/2024 - SW5X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
10	Upstream	SW5X		



7, 00:02:24, 21.00 m  
Finish node, catchpit, reference: SW5

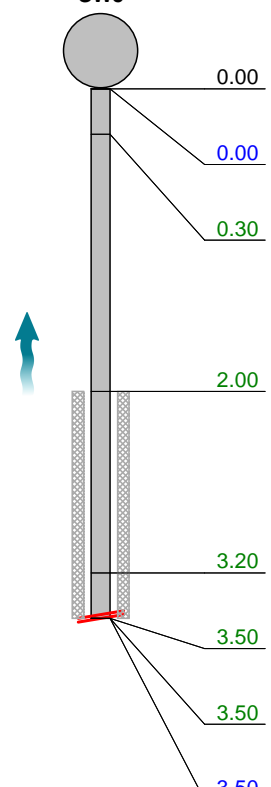
## Section Inspection - 08/07/2024 - DX

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
11	1	08/07/24	10:42	Not Specified	No Rain Or Snow	No	DX
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
ML		Not Specified		Not Specified	Not Specified	Private Drain	Not Specified

<b>Town or Village:</b>	Billingshurst	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	D
<b>Road:</b>	Okehurst Road	<b>Inspected Length:</b>	3.50 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>	Fields, farmland etc	<b>Total Length:</b>	3.50 m	<b>Downstream Node:</b>	SW5
<b>Surface Type:</b>	Various	<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.180 m
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	75 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Unidentified plastic		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Routine inspection	<b>Lining Material:</b>	No Lining		

**Comments:**

**Recommendations:**

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
<div> <p>Depth: 0.18 m SW5</p>  </div>							
	0.00	MH		Start node, manhole, reference: SW4: Perforated land drain	00:00:00	1	
	0.00	WL		Water level, 0% of the vertical dimension	00:01:23		
	0.30	DES		Settled deposits, fine, 25% cross-sectional area loss	00:00:09	2	4
	2.00	S01	DES	Settled deposits, fine, 15% cross-sectional area loss, start	00:00:28	3	
	3.20	C01	DES	Settled deposits, fine, 50% cross-sectional area loss, change	00:00:50	4	
	3.50	F01	DES	Settled deposits, fine, 50% cross-sectional area loss, finish	00:01:24		3
	3.50	DER		Settled deposits, coarse, 90% cross-sectional area loss	00:01:24	5	5
	3.50	SA		Survey abandoned: Unable to continue	00:01:25	6	

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	3	12.0	5.4	19.0	5.0

## Section Pictures - 08/07/2024 - DX

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



1, 00:00:00, 0.00 m  
Start node, manhole, reference: SW4, Perforated land drain



2, 00:00:09, 0.30 m  
Settled deposits, fine, 25% cross-sectional area loss



3, 00:00:28, 2.00 m  
Settled deposits, fine, 15% cross-sectional area loss, start



4, 00:00:50, 3.20 m  
Settled deposits, fine, 50% cross-sectional area loss, change



5, 00:01:24, 3.50 m  
Settled deposits, coarse, 90% cross-sectional area loss



6, 00:01:25, 3.50 m  
Survey abandoned, Unable to continue



## Section Inspection - 08/07/2024 - SW4X

Item No. 12	Insp. No. 1	Date 08/07/24	Time 10:52	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR SW4X
Operator ML		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Billingshurst	Inspection Direction:	Downstream	Upstream Node:	SW4
Road:	Okehurst Road	Inspected Length:	6.80 m	Upstream Pipe Depth:	0.680 m
Location:	Fields, farmland etc	Total Length:	6.80 m	Downstream Node:	SW6
Surface Type:	Various	Joint Length:		Downstream Pipe Depth:	1.100 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

## Comments:

## Recommendations:

Scale:	1:59	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.68 m SW4							
	0.00	MH	Start node, manhole, reference: SW4		00:00:00	1	
	0.00	WL	Water level, 0% of the vertical dimension		00:00:10		
	6.80	MHF	Finish node, manhole, reference: SW6		00:00:43	2	
SW6 Depth: 1.10 m							

## Construction Features

## Miscellaneous Features

## Structural Defects

## Service &amp; 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 - 08/07/2024 - SW4X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
12	Downstream	SW4X		



1, 00:00:00, 0.00 m  
Start node, manhole, reference: SW4

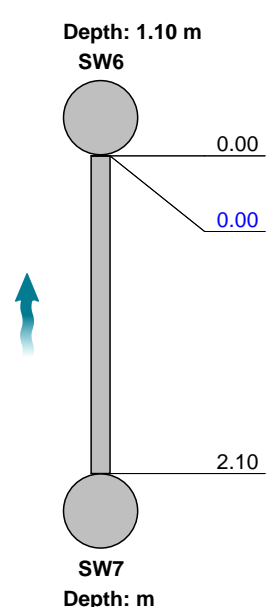


2, 00:00:43, 6.80 m  
Finish node, manhole, reference: SW6

## Section Inspection - 08/07/2024 - SW7X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
13	1	08/07/24	11:16	Not Specified	No Rain Or Snow	No	SW7X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
ML		Not Specified		Not Specified	Not Specified	Private Drain	Not Specified

<b>Town or Village:</b>	Billingshurst	<b>Inspection Direction:</b> Upstream		<b>Upstream Node:</b>	SW7
<b>Road:</b>	Okehurst Road	<b>Inspected Length:</b> 2.10 m		<b>Upstream Pipe Depth:</b>	
<b>Location:</b>	Fields, farmland etc	<b>Total Length:</b> 2.10 m		<b>Downstream Node:</b>	SW6
<b>Surface Type:</b>	Various	<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	1.100 m
<b>Use:</b>	Surface water			<b>Pipe Shape:</b>	Circular
<b>Type of Pipe:</b>	Gravity drain/sewer			<b>Dia/Height:</b>	225 mm
<b>Flow Control:</b>	No flow control			<b>Material:</b>	Concrete
<b>Year Constructed:</b>	Not Specified			<b>Lining Type:</b>	No Lining
<b>Inspection Purpose:</b>	Routine inspection			<b>Lining Material:</b>	No Lining
<b>Comments:</b>	Buried Manhole (SW6)				
<b>Recommendations:</b>					

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
							
		0.00	MH	Start node, manhole, reference: SW6	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension	00:00:02	1	
		2.10	MHF	Finish node, manhole, reference: SW7: Buried. Cover collapsed	00:00:21	2, 3	

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 - 08/07/2024 - SW7X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
13	Upstream	SW7X		



1, 00:00:02, 0.00 m  
Water level, 0% of the vertical dimension



2, 00:00:21, 2.10 m  
Finish node, manhole, reference: SW7, Buried. Cover collapsed



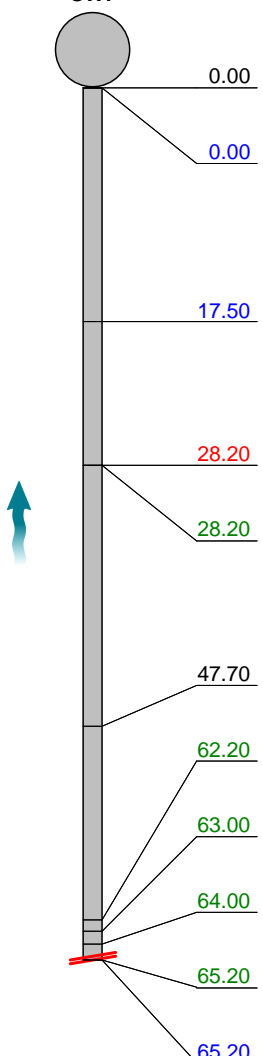
3, 00:00:21, 2.10 m  
Finish node, manhole, reference: SW7, Buried. Cover collapsed

## Section Inspection - 08/07/2024 - SW8X

Item No. 14	Insp. No. 1	Date 08/07/24	Time 11:34	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR SW8X
Operator ML		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Billingshurst	Inspection Direction:	Upstream	Upstream Node:	SW8
Road:	Okehurst Road	Inspected Length:	65.20 m	Upstream Pipe Depth:	
Location:	Fields, farmland etc	Total Length:	65.20 m	Downstream Node:	SW7
Surface Type:	Various	Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Material:	Concrete		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

**Comments:**
**Recommendations:**

Scale: 1:565	Position [m]	Code	Observation	MPEG	Photo	Grade
<div> <div>Depth: m</div> <div>SW7</div>  </div>						
	0.00	MH	Start node, manhole, reference: SW7	00:00:00	1	
	0.00	WL	Water level, 0% of the vertical dimension	00:00:01	2	
	17.50	WL	Water level, 10% of the vertical dimension	00:00:50	3	
	28.20	H	Hole in drain or sewer at 12 o'clock	00:02:02	4	4
	28.20	RT	Roots, tap	00:02:02		4
	47.70	RPH	Point repair, hole repaired from 11 o'clock to 2 o'clock	00:02:53	5	
	62.20	RFJ	Roots, fine at joint	00:03:23	6	2
	63.00	RFJ	Roots, fine at joint	00:03:28	7	2
	64.00	RFJ	Roots, fine at joint	00:03:39	8	2
	65.20	RMJ	Roots, mass at joint, 10% cross-sectional area loss	00:03:55	9	3
	65.20	SA	Survey abandoned: Unable to continue. Acoustic tested to prove connectivity	00:03:59	10	

**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
1	80.0	1.2	80.0	4.0	5	5.0	0.2	12.0	4.0

## Section Pictures - 08/07/2024 - SW8X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
14	Upstream	SW8X		



1, 00:00:00, 0.00 m  
Start node, manhole, reference: SW7



2, 00:00:01, 0.00 m  
Water level, 0% of the vertical dimension



3, 00:00:50, 17.50 m  
Water level, 10% of the vertical dimension



4, 00:02:02, 28.20 m  
Hole in drain or sewer at 12 o'clock



5, 00:02:53, 47.70 m  
Point repair, hole repaired from 11 o'clock to 2 o'clock



6, 00:03:23, 62.20 m  
Roots, fine at joint

## Section Pictures - 08/07/2024 - SW8X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
14	Upstream	SW8X		



7, 00:03:28, 63.00 m  
Roots, fine at joint



8, 00:03:39, 64.00 m  
Roots, fine at joint



9, 00:03:55, 65.20 m  
Roots, mass at joint, 10% cross-sectional area loss



10, 00:03:59, 65.20 m  
Survey abandoned, Unable to continue. Acoustic tested to prove connectivity

## Section Inspection - 08/07/2024 - SW6X

Item No. 15	Insp. No. 1	Date 08/07/24	Time 12:07	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR SW6X
Operator ML		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Billingshurst	Inspection Direction:	Downstream	Upstream Node:	SW6
Road:	Okehurst Road	Inspected Length:	27.40 m	Upstream Pipe Depth:	1.100 m
Location:	Fields, farmland etc	Total Length:	27.45 m	Downstream Node:	JN
Surface Type:	Various	Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Material:	Concrete		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

**Comments:**
**Recommendations:**

Scale: 1:238	Position [m]	Code	Observation	MPEG	Photo	Grade
<div> <div>Depth: 1.10 m</div> <div>SW6</div> <div>0.00</div> <div>0.00</div> <div>0.60</div> <div>7.30</div> <div>7.30</div> <div>17.50</div> <div>21.00</div> <div>21.00</div> <div>25.40</div> <div>27.15</div> <div>27.40</div> <div>27.40</div> <div>27.40</div> <div>27.40</div> <div>JN</div> <div>Depth: m</div> </div>						
	0.00	MH	Start node, manhole, reference: SW6	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension	00:04:08	1	
	0.60	S01	RFJ	00:00:07	2	
	7.30	RFJ	Roots, fine at joint	00:00:56		2
	7.30	RTJ	Roots, tap at joint	00:00:56	3	4
	17.50	RTJ	Roots, tap at joint	00:02:20	4	4
	21.00	RMJ	Roots, mass at joint, 20% cross-sectional area loss	00:03:03		5
	21.00	RTJ	Roots, tap at joint	00:03:03	5	4
	25.40	DES	Settled deposits, fine, 10% cross-sectional area loss	00:03:31	6	3
	27.15	RM	Roots, mass, 25% cross-sectional area loss	00:04:00	7	5
	27.40	F01	RFJ	00:03:00		2
	27.40	RTJ	Roots, tap at joint	00:03:55		4
	27.40	RMJ	Roots, mass at joint, 40% cross-sectional area loss	00:03:55	8	5
	27.40	SA	Survey abandoned: Unable to continue	00:04:08	9	
	27.45		End of pipe			

**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	10	15.0	2.9	80.0	5.0

## Section Pictures - 08/07/2024 - SW6X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
15	Downstream	SW6X		



1, 00:04:08, 0.00 m  
Water level, 0% of the vertical dimension



2, 00:00:07, 0.60 m  
Roots, fine at joint, start



3, 00:00:56, 7.30 m  
Roots, tap at joint



4, 00:02:20, 17.50 m  
Roots, tap at joint



5, 00:03:03, 21.00 m  
Roots, tap at joint



6, 00:03:31, 25.40 m  
Settled deposits, fine, 10% cross-sectional area loss

## Section Pictures - 08/07/2024 - SW6X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
15	Downstream	SW6X		



7, 00:04:00, 27.15 m  
Roots, mass, 25% cross-sectional area loss



8, 00:03:55, 27.40 m  
Roots, mass at joint, 40% cross-sectional area loss



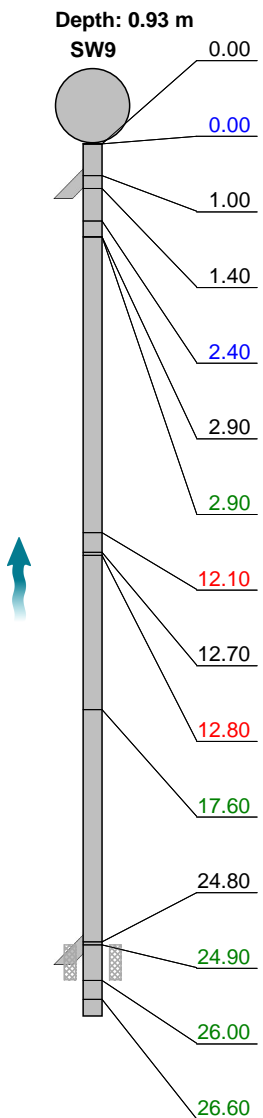
9, 00:04:08, 27.40 m  
Survey abandoned, Unable to continue

## Section Inspection - 08/07/2024 - AX

Item No. 16	Insp. No. 1	Date 08/07/24	Time 12:21	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR AX
Operator ML		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

<b>Town or Village:</b>	Billingshurst	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	A
<b>Road:</b>	Okehurst Road	<b>Inspected Length:</b>	30.30 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>	Fields, farmland etc	<b>Total Length:</b>	30.30 m	<b>Downstream Node:</b>	SW9
<b>Surface Type:</b>	Various	<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.930 m
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	300 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Concrete		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Routine inspection	<b>Lining Material:</b>	No Lining		

**Comments:**  
**Recommendations:**

Scale: 1:235	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.93 m SW9 						
	0.00	MH	Start node, manhole, reference: SW7	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension	00:03:09	1	
	1.00	JN	Junction at 3 o'clock, 300mm dia	00:00:13	2	
	1.40	SC	Pipe size changes, new size(s), 225mm high, 225mm wide	00:00:18	3	
	2.40	WL	Water level, 20% of the vertical dimension	00:00:35	4	
	2.90	SC	Pipe size changes, new size(s), 150mm high	00:00:35	5	
	2.90	LR	Line deviates right	00:00:49	6	
	12.10	FC	Fracture, circumferential from 12 o'clock to 12 o'clock	00:01:19	7	3 / 2
	12.70	RPH	Point repair, hole repaired from 10 o'clock to 2 o'clock	00:01:26	8, 9	
	12.80	FC	Fracture, circumferential from 3 o'clock to 9 o'clock	00:01:33	10	3 / 2
	17.60	DEEJ	Attached deposits, encrustation at joint from 12 o'clock to 12 o'clock, 40% cross-sectional area loss	00:01:55	11	4
	24.80	CX	Connection defective at 3 o'clock, 150mm dia: Assumed to serve neighbouring FW treatment plant	00:02:23	12	
	24.90	S01 DEC	Settled deposits, hard or compacted, 20% cross-sectional area loss, start	00:02:26	13	
	26.00	F01 DEC	Settled deposits, hard or compacted, 20% cross-sectional area loss, finish	00:02:42		4
	26.60	RFJ	Roots, fine at joint	00:02:42	14	2

## Section Inspection - 08/07/2024 - AX

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
16	1	08/07/24	12:21	Not Specified	No Rain Or Snow	No	AX
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
ML		Not Specified		Not Specified	Not Specified	Private Drain	Not Specified

Scale:	1:235	Position [m]	Code	Observation	MPEG	Photo	Grade
		<u>27.60</u>	RFJ	Roots, fine at joint	00:02:48	15	2
		<u>28.80</u>	S02	DER	Settled deposits, coarse, 15% cross-sectional area loss, start	00:02:55	16
		<u>29.00</u>	C02	DER	Settled deposits, coarse, 25% cross-sectional area loss, change	00:03:04	17
		<u>29.40</u>	FC	Fracture, circumferential from 8 o'clock to 4 o'clock	00:03:08	18	3 / 2
		<u>29.40</u>	RF	Roots, fine	00:03:14		2
		<u>30.30</u>	F02	DER	Settled deposits, coarse, 25% cross-sectional area loss, finish	00:03:26	3
		<u>30.30</u>	XP	Collapsed drain or sewer, 100% cross-sectional area loss	00:03:26	19, 20	5
		<u>30.30</u>	SA	Survey abandoned: Unable to continue	00:03:30	21	

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
4	165.0	9.4	285.0	5.0	9	5.0	0.8	25.0	4.0

## Section Pictures - 08/07/2024 - AX

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



1, 00:03:09, 0.00 m  
Water level, 0% of the vertical dimension



2, 00:00:13, 1.00 m  
Junction at 3 o'clock, 300mm dia



3, 00:00:18, 1.40 m  
Pipe size changes, new size(s), 225mm high, 225mm wide



4, 00:00:35, 2.40 m  
Water level, 20% of the vertical dimension



5, 00:00:35, 2.90 m  
Pipe size changes, new size(s), 150mm high



6, 00:00:49, 2.90 m  
Line deviates right

## Section Pictures - 08/07/2024 - AX

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



7, 00:01:19, 12.10 m  
Fracture, circumferential from 12 o'clock to 12 o'clock



8, 00:01:26, 12.70 m  
Point repair, hole repaired from 10 o'clock to 2 o'clock



9, 00:01:26, 12.70 m  
Point repair, hole repaired from 10 o'clock to 2 o'clock



10, 00:01:33, 12.80 m  
Fracture, circumferential from 3 o'clock to 9 o'clock



11, 00:01:55, 17.60 m  
Attached deposits, encrustation at joint from 12 o'clock to 12 o'clock, 40% cross-sectional area loss



12, 00:02:23, 24.80 m  
Connection defective at 3 o'clock, 150mm dia, Assumed to serve neighbouring FW treatment plant

## Section Pictures - 08/07/2024 - AX

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



13, 00:02:26, 24.90 m  
Settled deposits, hard or compacted, 20% cross-sectional area loss, start



14, 00:02:42, 26.60 m  
Roots, fine at joint



15, 00:02:48, 27.60 m  
Roots, fine at joint



16, 00:02:55, 28.80 m  
Settled deposits, coarse, 15% cross-sectional area loss, start



17, 00:03:04, 29.00 m  
Settled deposits, coarse, 25% cross-sectional area loss, change



18, 00:03:08, 29.40 m  
Fracture, circumferential from 8 o'clock to 4 o'clock

## Section Pictures - 08/07/2024 - AX

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



19, 00:03:26, 30.30 m  
Collapsed drain or sewer, 100% cross-sectional area loss



20, 00:03:26, 30.30 m  
Collapsed drain or sewer, 100% cross-sectional area loss



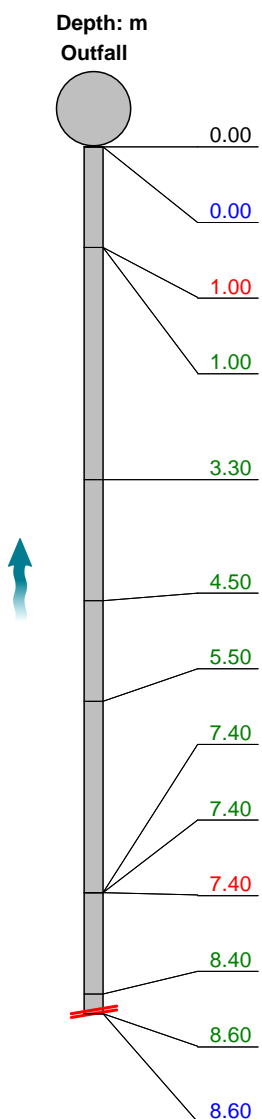
21, 00:03:30, 30.30 m  
Survey abandoned, Unable to continue

## Section Inspection - 08/07/2024 - AX

Item No. 17	Insp. No. 1	Date 08/07/24	Time 12:23	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR AX
Operator ML		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Billingshurst	Inspection Direction:	Upstream	Upstream Node:	A
Road:	Okehurst Road	Inspected Length:	8.60 m	Upstream Pipe Depth:	
Location:	Fields, farmland etc	Total Length:	8.60 m	Downstream Node:	OUTFALL
Surface Type:	Various	Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Material:	Concrete		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

**Comments:**
**Recommendations:**

Scale:	1:75	Position [m]	Code	Observation	MPEG	Photo	Grade
<div><div><div>Depth: m</div><div>Outfall</div></div></div>							
	0.00	OF	Start node, outfall, reference: Outfall	00:00:00			
	0.00	WL	Water level, 0% of the vertical dimension	00:00:01	1		
	1.00	OJL	Open joint, large	00:00:09	2		1
	1.00	LL	Line deviates left	00:00:14			
	3.30	RFJ	Roots, fine at joint	00:00:20	3		2
	4.50	RMJ	Roots, mass at joint, 15% cross-sectional area loss	00:00:31	4		3
	5.50	RMJ	Roots, mass at joint, 25% cross-sectional area loss	00:00:44	5		5
	7.40	LR	Line deviates right	00:00:56	6		
	7.40	RMJ	Roots, mass at joint, 20% cross-sectional area loss	00:00:56	7		5
	7.40	H	Hole in drain or sewer from 7 o'clock to 11 o'clock	00:00:56			5
	8.40	RM	Roots, mass, 20% cross-sectional area loss	00:01:05	8		5
	8.60	RM	Roots, mass, 55% cross-sectional area loss	00:01:15	9		5
	8.60	SA	Survey abandoned: Unable to pass, serving unknown	00:01:25	10		

**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
2	165.0	19.4	167.0	5.0	6	15.0	5.8	50.0	5.0

## Section Pictures - 08/07/2024 - AX

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



1, 00:00:01, 0.00 m  
Water level, 0% of the vertical dimension



2, 00:00:09, 1.00 m  
Open joint, large



3, 00:00:20, 3.30 m  
Roots, fine at joint



4, 00:00:31, 4.50 m  
Roots, mass at joint, 15% cross-sectional area loss



5, 00:00:44, 5.50 m  
Roots, mass at joint, 25% cross-sectional area loss



6, 00:00:56, 7.40 m  
Line deviates right

## Section Pictures - 08/07/2024 - AX

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



7, 00:00:56, 7.40 m  
Roots, mass at joint, 20% cross-sectional area loss



8, 00:01:05, 8.40 m  
Roots, mass, 20% cross-sectional area loss



9, 00:01:15, 8.60 m  
Roots, mass, 55% cross-sectional area loss



10, 00:01:25, 8.60 m  
Survey abandoned, Unable to pass, serving unknown

## **Disclaimer**

Although every effort has been made to produce a thorough and precise report, Eyes On Drainage Services Ltd cannot be held liable for any discrepancies or omissions.

Furthermore Eyes On Drainage Services Ltd cannot be held responsible for any actions taken based on the information supplied within this report.