

LAYER SURVEYS LTD

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Project Information

Layer Surveys Ltd
Office 1-2, The Gatehouse
Lancashire Business Park
Leyland
PR26 6TY

Job Number	Surveyed by (Operator)	Base Unit	Date
LS6139	**CHRIS LUCOCK**	**ELFEIYII63**	**08/10/2025**

Client Details:

SUTCLIFFE
18-20 HARRINGTON STREET
LIVERPOOL
L2 9QA

Site Details:

Apollo Pub,
Oldham Road,
Miles Platting,
M40 8DR,

Contractor Details:

Layer Surveys Ltd
Office 1-2, The Gatehouse
Lancashire Business Park
Leyland
PR26 6TY

Office Contact Number: 01772 611634

Purpose of Survey:

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Report Summary

Layer Surveys Ltd
Office 1-2, The Gatehouse
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Job Number	Surveyed by (Operator)	Base Unit	Date
LS6139	**CHRIS LUCOCK**	**ELFEIYII63**	**08/10/2025**

Job Information

Total Distance Surveyed: **177.72 meters**
Engineer: **CHRIS LUCOCK**
Number of Surveys: **7**
Number of Surveys grade 4 or above: **3**

Section 1 Overview (08/10/2025)

Manholes: **UU7517 to UU7500**
Pipe Length: **35.97 metres**
Structural Grade: **0**
Service Grade: **3**
Material: **Concrete**
Pipe Size: **750mm**
Use: **Surface water**

Section 2 Overview (08/10/2025)

Manholes: **UU7500 to UU7606**
Pipe Length: **33.43 metres**
Structural Grade: **0**
Service Grade: **3**
Material: **Concrete**
Pipe Size: **750mm**
Use: **Surface water**

Section 3 Overview (08/10/2025)

Manholes: **UU7506 to UU7604**
Pipe Length: **10.34 metres**
Structural Grade: **4**
Service Grade: **4**
Material: **Vitrified clay**
Pipe Size: **225mm**
Use: **Foul**

Section 4 Overview (08/10/2025)

Manholes: **UU7506 to D/S.X MAIN CARRIER**
Pipe Length: **78.88 metres**
Structural Grade: **4**
Service Grade: **3**
Material: **Vitrified clay**
Pipe Size: **300mm**
Use: **Foul**

Section 5 Overview (08/10/2025)

Manholes: **UU7506 to U/S.B**
Pipe Length: **0.1 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Vitrified clay**
Pipe Size: **225mm**
Use: **Foul**

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Report Summary

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Job Number	Surveyed by (Operator)	Base Unit	Date
LS6139	**CHRIS LUCOCK**	**ELFEIYII63**	**08/10/2025**

Section 6 Overview (08/10/2025)

Manholes: **UU7506 to U/S.A**
Pipe Length: **4.42 metres**
Structural Grade: **3**
Service Grade: **3**
Material: **Vitrified clay**
Pipe Size: **225mm**
Use: **Foul**

Section 7 Overview (08/10/2025)

Manholes: **MH08 to UU7506**
Pipe Length: **14.58 metres**
Structural Grade: **4**
Service Grade: **3**
Material: **Vitrified clay**
Pipe Size: **225mm**
Use: **Foul**

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
CHRIS LUCOCK	**LS6139**	**UU7500 X**	**08/10/2025**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**3/0**	**ELFEIYII63**	**1**

Road **Apollo Pub,**
Place **Oldham Road,**
Location **Miles Platting,**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **750mm**
Material **Concrete**
Category

Start Node **UU7517**
End Node **UU7500**
Total length **35.97 metres**

Scale **1:1.89**
Direction **Upstream**

Start Node Ref:UU7517 | I/L :mm

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference UU7517	13279066	Comment / 0
0.00	WL	Water level 5% height/diameter	13279067	Comment / 0
0.00	DER (S01)	Settled deposits coarse 10% cross-sectional area loss, Start	13279241	Service / 3
1.78	DER (F01)	Settled deposits coarse 10% cross-sectional area loss, Finished	13279243	Service / 3
3.50	CXI	Connection intruding at 9 o'clock, diameter 225mm, intrusion 5%	13279244	Service / 3
3.50	DER	Settled deposits coarse 5% cross-sectional area loss	13279246	Service / 2
35.97	MHF	Finish node type, manhole, reference UU7500	13279068	Comment / 0

End Node Ref:UU7500 | I/L :mm

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Job Number	Surveyed by (Operator)	Base Unit	Date
LS6139	**CHRIS LUCOCK**	**ELFEIYII63**	**08/10/2025**



Start node type, manhole, reference UU7517



Water level 5% height/diameter



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



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



Connection intruding at 9 o'clock, diameter 225mm, intrusion 5%



Settled deposits coarse 5% cross-sectional area loss

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Job Number	Surveyed by (Operator)	Base Unit	Date
LS6139	**CHRIS LUCOCK**	**ELFEIYII63**	**08/10/2025**



Finish node type, manhole, reference UU7500

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
CHRIS LUCOCK	**LS6139**	**UU7606 X**	**08/10/2025**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**3/0**	**ELFEIYII63**	**2**

Road **Apollo Pub,**
Place **Oldham Road,**
Location **Miles Platting,**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **750mm**
Material **Concrete**
Category

Start Node **UU7500**
End Node **UU7606**
Total length **33.43 metres**

Scale **1:1.75**
Direction **Upstream**

Start Node Ref:UU7500 | I/L :mm

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference UU7500	13279070	Comment / 0
0.00	WL	Water level 5% height/diameter	13279073	Comment / 0
0.28	CN	Connection other than junction at 1 o'clock, diameter 100mm	13279252	Comment / 0
0.45	CN	Connection other than junction at 11 o'clock, diameter 100mm	13279253	Comment / 0
9.51	DER (S01)	Settled deposits coarse 5% cross-sectional area loss, Start	13279258	Service / 2
18.03	DER (F01)	Settled deposits coarse 5% cross-sectional area loss, Finished	13279261	Service / 2
18.03	DER (S02)	Settled deposits coarse 15% cross-sectional area loss, Start	13279264	Service / 3
32.42	DER (F02)	Settled deposits coarse 15% cross-sectional area loss, Finished	13279270	Service / 3
33.43	MHF	Finish node type, manhole, reference UU7606	13279078	Comment / 0

End Node Ref:UU7606 | I/L :mm

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Job Number	Surveyed by (Operator)	Base Unit	Date
LS6139	**CHRIS LUCOCK**	**ELFEIYII63**	**08/10/2025**



Start node type, manhole, reference UU7500



Water level 5% height/diameter



Connection other than junction at 1 o'clock, diameter 100mm



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



Settled deposits coarse 5% cross-sectional area loss, Start



Settled deposits coarse 5% cross-sectional area loss, Finished

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Job Number	Surveyed by (Operator)	Base Unit	Date
LS6139	**CHRIS LUCOCK**	**ELFEIYII63**	**08/10/2025**



Settled deposits coarse 15% cross-sectional area loss, Start



Settled deposits coarse 15% cross-sectional area loss, Finished



Finish node type, manhole, reference UU7606

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
CHRIS LUCOCK	**LS6139**	**UU7604 X**	**08/10/2025**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**4/4**	**ELFEIYII63**	**3**

Road **Apollo Pub,**
Place **Oldham Road,**
Location **Miles Platting,**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Vitrified clay**
Category

Start Node **UU7506**
End Node **UU7604**
Total length **10.34 metres**

Scale **1:0.54**
Direction **Upstream**

Start Node Ref:UU7506 | I/L :mm

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference UU7506	13279087	Comment / 0
0.00	WL	Water level 5% height/diameter	13279090	Comment / 0
0.00	B	Broken pipe from 7 to 10 o'clock	13279281	Structural / 4
0.00	LR	Line of drain/sewer deviates right	13279283	Comment / 0
0.00	DER (S01)	Settled deposits coarse 10% cross-sectional area loss, Start	13279288	Service / 3
0.56	DER (F01)	Settled deposits coarse 10% cross-sectional area loss, Finished	13279292	Service / 3
8.27	FL (S02)	Fracture longitudinal at 7 o'clock, Start	13279564	Structural / 3
8.27	FC	Fracture circumferential from 2 to 7 o'clock	13279566	Structural / 3
8.82	FL (F02)	Fracture longitudinal at 7 o'clock, Finished	13279567	Structural / 3
9.86	DER	Settled deposits coarse 30% cross-sectional area loss	13279580	Service / 4
10.34	SA	Survey abandoned - Remark: OBSTRUCTION - UNABLE TO PASS - DUE TO BRICK IN CHANNEL	13279094	Comment / 0

End Node Ref:UU7604 | I/L :mm

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Job Number	Surveyed by (Operator)	Base Unit	Date
LS6139	**CHRIS LUCOCK**	**ELFEIYII63**	**08/10/2025**



Start node type, manhole, reference UU7506



Water level 5% height/diameter



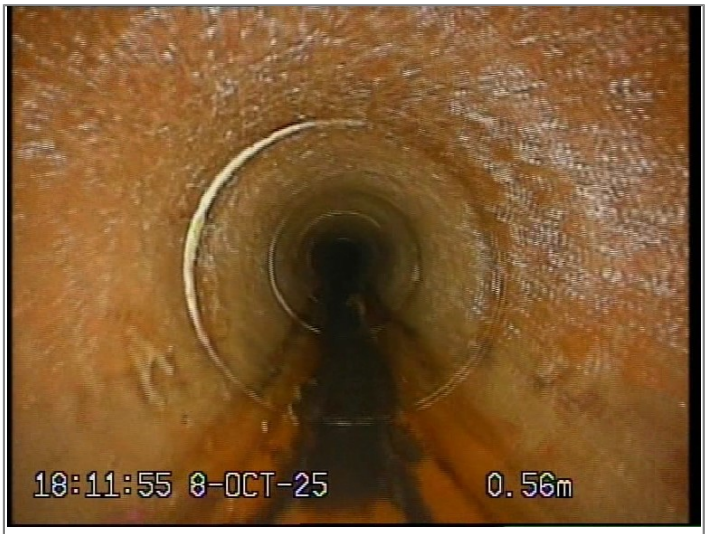
Broken pipe from 7 to 10 o'clock



Line of drain/sewer deviates right



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



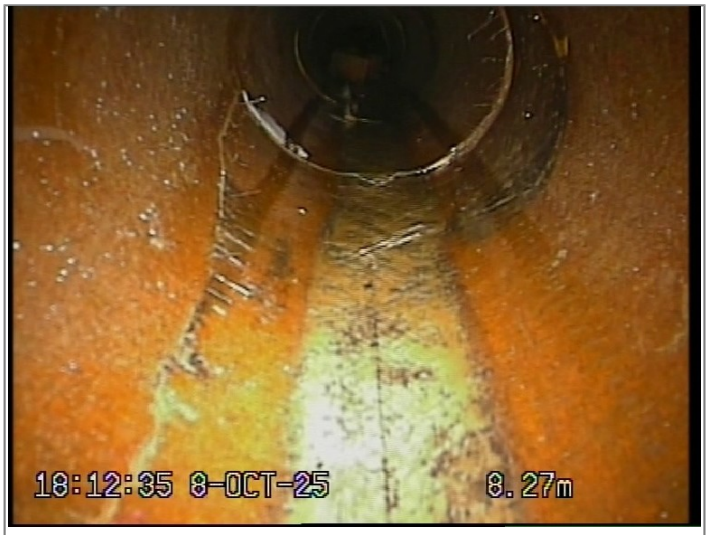
Settled deposits coarse 10% cross-sectional area loss, Finished

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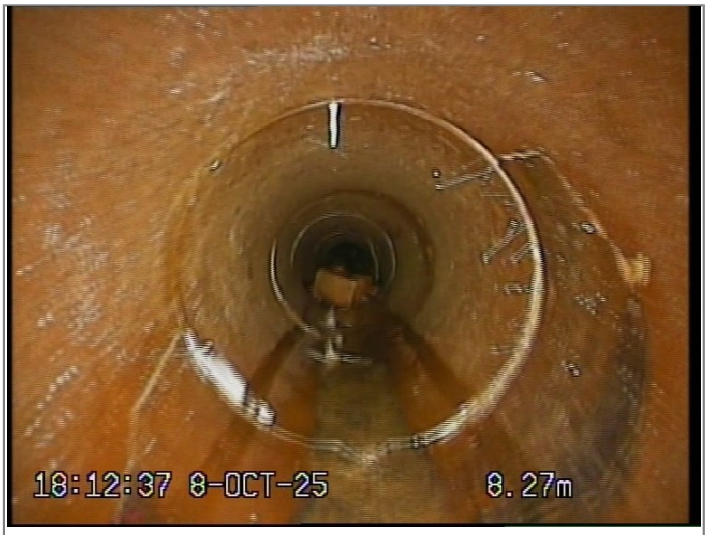
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LS6139	**CHRIS LUCOCK**	**ELFEIYII63**	**08/10/2025**



Fracture longitudinal at 7 o'clock, Start



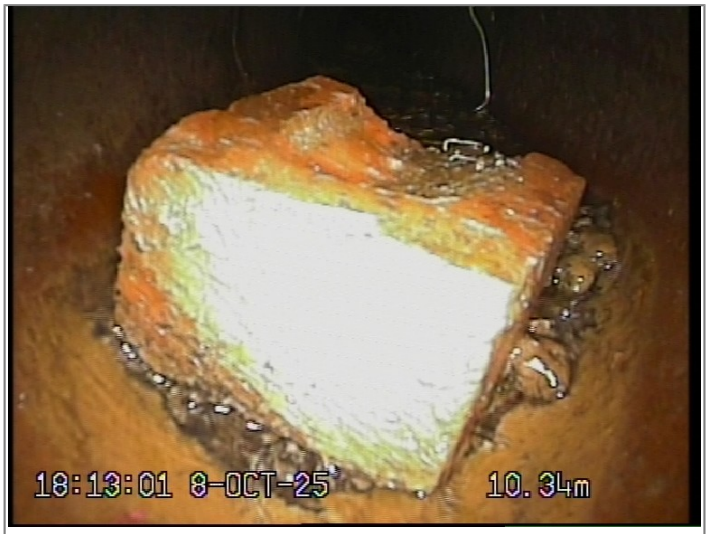
Fracture circumferential from 2 to 7 o'clock



Fracture longitudinal at 7 o'clock, Finished



Settled deposits coarse 30% cross-sectional area loss



Survey abandoned - Remark: OBSTRUCTION - UNABLE TO PASS - DUE TO BRICK IN CHANNEL

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
CHRIS LUCOCK	**LS6139**	**UU7506 X**	**08/10/2025**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**3/4**	**ELFEIYII63**	**4**

Road **Apollo Pub,**
Place **Oldham Road,**
Location **Miles Platting,**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **300mm**
Material **Vitrified clay**
Category

Start Node **UU7506**
End Node **D/S.X MAIN CARRIER**
Total length **78.88 metres**

Scale **1:4.14**
Direction **Downstream**

Start Node Ref:UU7506 | I/L :mm

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference UU7506	13279099	Comment / 0
0.00	WL	Water level 5% height/diameter	13279101	Comment / 0
0.00	DES (S01)	Settled deposits fine 10% cross-sectional area loss, Start	13279642	Service / 3
1.38	DES (F01)	Settled deposits fine 10% cross-sectional area loss, Finished	13279666	Service / 3
12.33	FM (S02)	Fracture multiple from 12 to 12 o'clock, Start	13279731	Structural / 4
14.52	FM (F02)	Fracture multiple from 12 to 12 o'clock, Finished	13279732	Structural / 4
21.91	FM (S03)	Fracture multiple from 12 to 12 o'clock, Start	13279774	Structural / 4
23.18	FM (F03)	Fracture multiple from 12 to 12 o'clock, Finished	13279776	Structural / 4
25.59	CC	Crack circumferential from 11 to 1 o'clock	13279792	Structural / 2
27.86	LR	Line of drain/sewer deviates right	13279793	Comment / 0
28.66	CM (S04)	Cracks multiple from 8 to 3 o'clock, Start	13279800	Structural / 3
30.09	CM (F04)	Cracks multiple from 8 to 3 o'clock, Finished	13279803	Structural / 3
64.17	FM (S05)	Fracture multiple from 9 to 5 o'clock, Start	13279900	Structural / 4
65.92	FM (F05)	Fracture multiple from 9 to 5 o'clock, Finished	13279916	Structural / 4
66.23	CC	Crack circumferential from 10 to 2 o'clock	13279917	Structural / 2
68.02	FS (S06)	Fracture spiral from 5 to 8 o'clock, Start	13279927	Structural / 4
69.73	FS (F06)	Fracture spiral from 5 to 8 o'clock, Finished	13279932	Structural / 4
74.13	FM (S07)	Fracture multiple from 3 to 3 o'clock, Start	13279959	Structural / 4
76.75	FM (F07)	Fracture multiple from 3 to 3 o'clock, Finished	13279961	Structural / 4
77.81	CM (S08)	Cracks multiple from 12 to 12 o'clock, Start	13279988	Structural / 3
77.82	LR	Line of drain/sewer deviates right	13279966	Comment / 0
78.74	CM (F08)	Cracks multiple from 12 to 12 o'clock, Finished	13280016	Structural / 3

End Node Ref:D/S.X MAIN CARRIER | I/L :mm

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Job Number	Surveyed by (Operator)	Base Unit	Date
LS6139	**CHRIS LUCOCK**	**ELFEIYII63**	**08/10/2025**



Start node type, manhole, reference UU7506



Water level 5% height/diameter



Settled deposits fine 10% cross-sectional area loss, Start



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



Fracture multiple from 12 to 12 o'clock, Start



Fracture multiple from 12 to 12 o'clock, Finished

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LS6139	**CHRIS LUCOCK**	**ELFEIYII63**	**08/10/2025**



Fracture multiple from 12 to 12 o'clock, Start



Fracture multiple from 12 to 12 o'clock, Finished



Crack circumferential from 11 to 1 o'clock



Line of drain/sewer deviates right



Cracks multiple from 8 to 3 o'clock, Start



Cracks multiple from 8 to 3 o'clock, Finished

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Job Number	Surveyed by (Operator)	Base Unit	Date
LS6139	**CHRIS LUCOCK**	**ELFEIYII63**	**08/10/2025**



Fracture multiple from 9 to 5 o'clock, Start



Fracture multiple from 9 to 5 o'clock, Finished



Crack circumferential from 10 to 2 o'clock



Fracture spiral from 5 to 8 o'clock, Start



Fracture spiral from 5 to 8 o'clock, Finished



Fracture multiple from 3 to 3 o'clock, Start

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Job Number	Surveyed by (Operator)	Base Unit	Date
LS6139	**CHRIS LUCOCK**	**ELFEIYII63**	**08/10/2025**



Fracture multiple from 3 to 3 o'clock, Finished



Cracks multiple from 12 to 12 o'clock, Start



Line of drain/sewer deviates right



Cracks multiple from 12 to 12 o'clock, Finished

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CCTV Inspection Report

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
CHRIS LUCOCK	**LS6139**	**U/S.B X**	**08/10/2025**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**ELFEIYII63**	**5**

Road **Apollo Pub,**
Place **Oldham Road,**
Location **Miles Platting,**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Vitrified clay**
Category

Start Node **UU7506**
End Node **U/S.B**
Total length **0.1 metres**

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

Start Node Ref:UU7506 | I/L :mm

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference UU7506	13279105	Comment / 0
0.00	WL	Water level 5% height/diameter	13279107	Comment / 0
0.00	LU	Line of drain/sewer deviates up	13282902	Comment / 0



0.10	REM	INTERNAL BACK DROP	13282981	Comment / 0
0.10	SA	Survey abandoned - Remark: UNABLE TO PASS - DUE TO INTERNAL BACK DROP	13279108	Comment / 0

End Node Ref:U/S.B | I/L :mm

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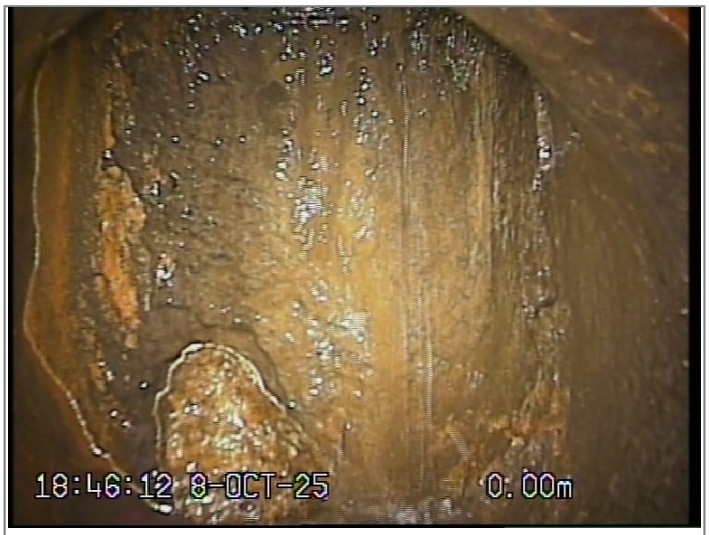
Job Number	Surveyed by (Operator)	Base Unit	Date
LS6139	**CHRIS LUCOCK**	**ELFEIYII63**	**08/10/2025**



Start node type, manhole, reference UU7506



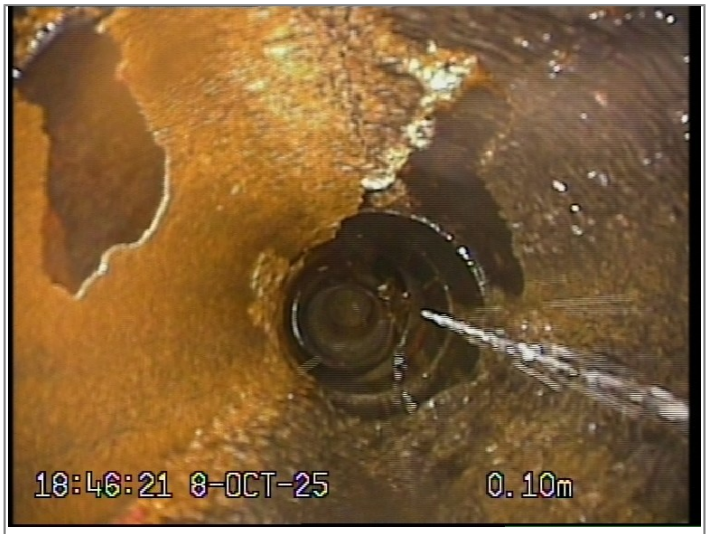
Water level 5% height/diameter



Line of drain/sewer deviates up



INTERNAL BACK DROP



Survey abandoned - Remark: UNABLE TO PASS - DUE TO INTERNAL BACK DROP

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
CHRIS LUCOCK	**LS6139**	**U/S.A X**	**08/10/2025**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**3/3**	**ELFEIYII63**	**6**

Road **Apollo Pub,**
Place **Oldham Road,**
Location **Miles Platting,**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Vitrified clay**
Category

Start Node **UU7506**
End Node **U/S.A**
Total length **4.42 metres**

Scale **1:0.23**
Direction **Upstream**

Start Node Ref:UU7506 | I/L :mm

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference UU7506	13279109	Comment / 0
0.00	WL	Water level 5% height/diameter	13279110	Comment / 0
0.00	LR	Line of drain/sewer deviates right	13284340	Comment / 0
2.68	CM (S01)	Cracks multiple from 12 to 12 o'clock, Start	13284436	Structural / 3
3.75	CM (F01)	Cracks multiple from 12 to 12 o'clock, Finished	13284438	Structural / 3
4.05	DEX	Other settled deposits 10% cross-sectional area loss - Remark: DEBRIS	13284350	Service / 3
4.41	LU	Line of drain/sewer deviates up	13284434	Comment / 0
4.42	SA	Survey abandoned - Remark: UNABLE TO PASS - DUE TO INTERNAL BACK DROP	13279112	Comment / 0

End Node Ref:U/S.A | I/L :mm

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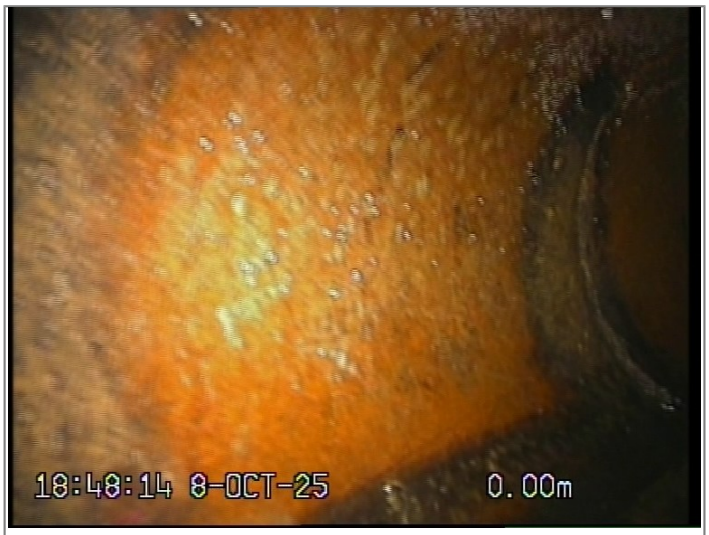
Job Number	Surveyed by (Operator)	Base Unit	Date
LS6139	**CHRIS LUCOCK**	**ELFEIYII63**	**08/10/2025**



Start node type, manhole, reference UU7506



Water level 5% height/diameter



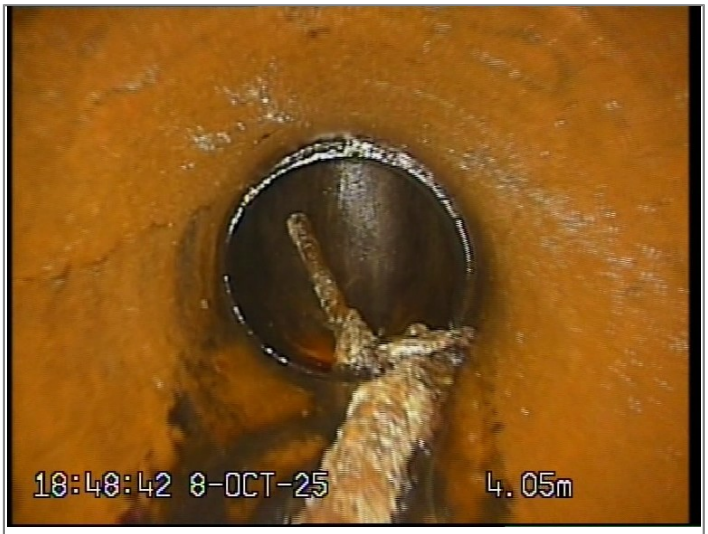
Line of drain/sewer deviates right



Cracks multiple from 12 to 12 o'clock, Start



Cracks multiple from 12 to 12 o'clock, Finished



Other settled deposits 10% cross-sectional area loss - Remark: DEBRIS

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CCTV Inspection Photos

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Lancashire Business Park
Leyland
PR26 6TY

Job Number	Surveyed by (Operator)	Base Unit	Date
LS6139	**CHRIS LUCOCK**	**ELFEIYII63**	**08/10/2025**



Line of drain/sewer deviates up



Survey abandoned - Remark: UNABLE TO PASS - DUE TO INTERNAL BACK DROP

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CCTV Inspection Report

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
CHRIS LUCOCK	**LS6139**	**MH08 X**	**08/10/2025**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**3/4**	**ELFEIYII63**	**7**

Road **Apollo Pub,**
Place **Oldham Road,**
Location **Miles Platting,**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Vitrified clay**
Category

Start Node **MH08**
End Node **UU7506**
Total length **14.58 metres**

Scale **1:0.77**
Direction **Downstream**

Start Node Ref:MH08 | I/L :mm



Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MH08	13279115	Comment / 0
0.00	WL	Water level 5% height/diameter	13279117	Comment / 0
0.00	FL	Fracture longitudinal at 9 o'clock	13284441	Structural / 3
0.22	DEX	Other settled deposits 10% cross-sectional area loss - Remark: DEBRIS	13284442	Service / 3
0.70	FM (S01)	Fracture multiple from 12 to 12 o'clock, Start	13284444	Structural / 4
5.47	FM (F01)	Fracture multiple from 12 to 12 o'clock, Finished	13284445	Structural / 4
13.12	JDL	Joint displaced large	13284446	Structural / 1
13.12	B	Broken pipe from 4 to 8 o'clock	13284447	Structural / 4
14.58	LD	Line of drain/sewer deviates down - Remark: INTERNAL BACK DROP	13284449	Comment / 0
14.58	OCF	Finish node type, other special chamber, reference UU7506	13279118	Comment / 0

End Node Ref:UU7506 | I/L :mm

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Job Number	Surveyed by (Operator)	Base Unit	Date
LS6139	**CHRIS LUCOCK**	**ELFEIYII63**	**08/10/2025**



Start node type, manhole, reference MH08



Water level 5% height/diameter



Fracture longitudinal at 9 o'clock



Other settled deposits 10% cross-sectional area loss - Remark: DEBRIS



Fracture multiple from 12 to 12 o'clock, Start



Fracture multiple from 12 to 12 o'clock, Finished

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Job Number	Surveyed by (Operator)	Base Unit	Date
LS6139	**CHRIS LUCOCK**	**ELFEIYII63**	**08/10/2025**



Joint displaced large



Broken pipe from 4 to 8 o'clock



Line of drain/sewer deviates down - Remark: INTERNAL BACK DROP



Finish node type, other special chamber, reference UU7506

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