



LAYER SURVEYS LTD

SEE THE COMPLETE PICTURE



Job Number
LS5871

Surveyed by (Operator)
SAM/DECLAN

Base Unit
S10E5CSLD1

Date
21/03/2025

Client Details:

Onward Homes
3rd/4th Floor
Watson Building
4 Renshaw Street,
Liverpool,
L1 2SA

Client Contact Name: Richard O Neill
Client Contact Tel: 03005 550600

Site Details:

Pennington Street,
Levenshulme,
Manchester,
M12 4QJ

Site Contact Name: Toby Crayden
Site Contact Tel: 07736 058 013

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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Job Information

Total Distance Surveyed: **160.42 meters**
Engineer: **SAM/DECLAN**
Number of Surveys: **4**
Number of Surveys grade 4 or above: **0**

Section 1 Overview (21/03/2025)

Manholes: **UCMH01 to UCMH02**
Pipe Length: **89.04 metres**
Structural Grade: **0**
Service Grade: **5**
Material: **Brick**
Pipe Size: **675mm**
Use: **Surface water**

Section 2 Overview (21/03/2025)

Manholes: **UCMH02 to US.A**
Pipe Length: **30.87 metres**
Structural Grade: **0**
Service Grade: **3**
Material: **Brick**
Pipe Size: **675mm**
Use: **Surface water**

Section 3 Overview (21/03/2025)

Manholes: **UCMH03 to US.A**
Pipe Length: **33.88 metres**
Structural Grade: **0**
Service Grade: **5**
Material: **Brick**
Pipe Size: **675mm**
Use: **Surface water**

Section 4 Overview (25/03/2025)

Manholes: **UCMH01 to 9602**
Pipe Length: **6.63 metres**
Structural Grade: **0**
Service Grade: **5**
Material: **Brick**
Pipe Size: **675mm**
Use: **Surface water**



Surveyed by (Operator) SAM/DECLAN	Job Number LS5871	Pipe Length Reference(PLR) UCMH02 X	Date 21/03/2025	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 5/0	Base Unit S1OE5CSLD1	Section Number 1

Road Pennington Street, Place Levenshulme, Location Manchester,	Division District Location Details
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Purpose Duty Surface water Catchment	Shape/Size 675mm Material Brick Category	Start Node UCMH01 End Node UCMH02 Total length 89.04 metres
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Scale 1:4.67 Direction Upstream
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Start Node Ref:UCMH01 I/L :1.43 metres Depth: 1.43 metres				Photo	Type/Grade
Position	Code	Description			
0.00	MH	Start node type, manhole, reference UCMH01		11835462	Comment / 0
0.00	WL	Water level 10% height/diameter		11835469	Comment / 0
0.00	RM (S01)	Roots mass 15% cross-sectional area loss, Start		11904803	Service / 3
2.48	RM (C01)	Roots mass 30% cross-sectional area loss, Changed		11904805	Service / 5
2.60	REM	- Settled deposits fine 10% cross-sectional area loss, Changed		11904807	Service / 3
12.50	REM	- Junction at 11 o'clock, diameter 150mm, Changed		11904808	Comment / 0
16.94	RM (F01)	Roots mass 30% cross-sectional area loss, Finished		11904810	Service / 5
71.24	REM	- Roots mass 5% cross-sectional area loss, Changed		11904812	Service / 3
73.97	REM	- Roots mass 10% cross-sectional area loss, Changed		11904813	Service / 3
89.04	MHF	Finish node type, manhole, reference UCMH02		11836942	Comment / 0
End Node Ref:UCMH02 I/L : metres					



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Start node type, manhole, reference UCMH01



Water level 10% height/diameter



Roots mass 15% cross-sectional area loss, Start



Roots mass 30% cross-sectional area loss, Changed



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



- Junction at 11 o'clock, diameter 150mm, Changed



Job Number LS5871	Surveyed by (Operator) SAM/DECLAN	Base Unit S10E5CSLD1	Date 21/03/2025
From: UCMH01 / To: 3602 Size: 675mm  16.94m Roots mass 30% cross-sectional area loss, Finished			
From: UCMH01 / To: 3602 Size: 675mm  71.24m - Roots mass 5% cross-sectional area loss, Changed			
From: UCMH01 / To: 3602 Size: 675mm  73.97m - Roots mass 10% cross-sectional area loss, Changed			
From: UCMH01 / To: 3602 Size: 675mm  89.04m Finish node type, manhole, reference UCMH02			



Surveyed by (Operator) SAM/DECLAN	Job Number LS5871	Pipe Length Reference(PLR) US.A X	Date 21/03/2025	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 3/0	Base Unit S1OE5CSLD1	Section Number 2

Road Pennington Street, Place Levenshulme, Location Manchester,	Division District Location Details
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Purpose Duty Surface water Catchment	Shape/Size 675mm Material Brick Category	Start Node UCMH02 End Node US.A Total length 30.87 metres
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Scale 1:1.62 Direction Upstream
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Start Node Ref:UCMH02 I/L : metres				Photo	Type/Grade
Position	Code	Description			
0.00	MH	Start node type, manhole, reference UCMH02		11836978	Comment / 0
0.00	WL	Water level 5% height/diameter		11836980	Comment / 0
16.07	REM	- Settled deposits fine 10% cross-sectional area loss, Changed		11904816	Service / 3
30.87	MHF	Finish node type, manhole, reference UCMH03		11837144	Comment / 0
End Node Ref:US.A I/L : metres					

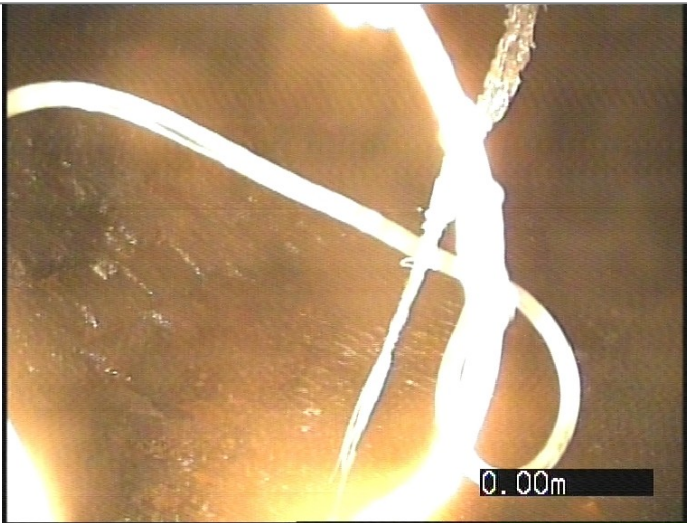


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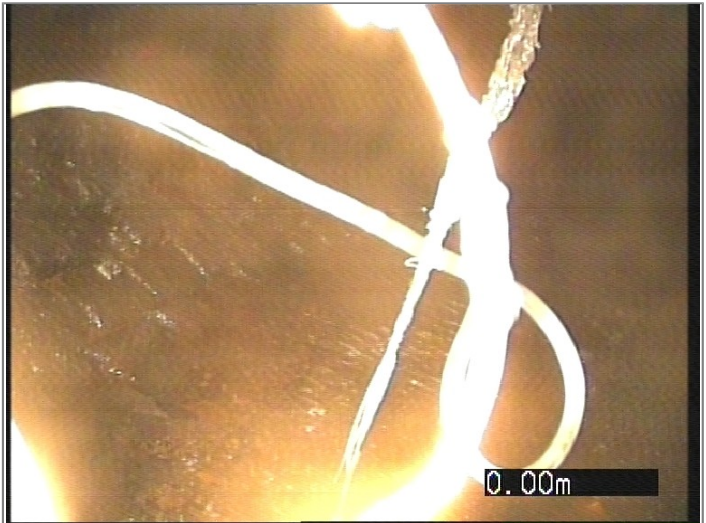
Surveyed by (Operator)
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Start node type, manhole, reference UCMH02



Water level 5% height/diameter



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



Finish node type, manhole, reference UCMH03



Surveyed by (Operator) SAM/DECLAN	Job Number LS5871	Pipe Length Reference(PLR) US.A X	Date 21/03/2025	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 5/0	Base Unit S1OE5CSLD1	Section Number 3

Road Pennington Street, Place Levenshulme, Location Manchester,	Division District Location Details
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Purpose Duty Surface water Catchment	Shape/Size 675mm Material Brick Category	Start Node UCMH03 End Node US.A Total length 33.88 metres
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Scale 1:1.78 Direction Upstream
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Start Node Ref:UCMH03 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference UCMH03	11837165	Comment / 0
0.00	WL	Water level 5% height/diameter	11837166	Comment / 0
0.00	REM	- Settled deposits fine 15% cross-sectional area loss, Changed	11904817	Service / 3
13.32	REM	- Roots mass 10% cross-sectional area loss, Changed	11904818	Service / 3
16.51	REM	- Roots mass 25% cross-sectional area loss, Changed	11904819	Service / 5
21.73	REM	- Connection intruding at 3 o'clock, diameter 150mm, intrusion 15%, Changed	11904820	Service / 3
33.88	REM	- Finish node type, manhole, reference US.A, Changed	11904822	Comment / 0

End Node Ref:US.A | I/L : metres



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Start node type, manhole, reference UCMH03



Water level 5% height/diameter



- Settled deposits fine 15% cross-sectional area loss, Changed



- Roots mass 10% cross-sectional area loss, Changed



- Roots mass 25% cross-sectional area loss, Changed



- Connection intruding at 3 o'clock, diameter 150mm, intrusion 15%, Changed



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- Finish node type, manhole, reference US.A, Changed



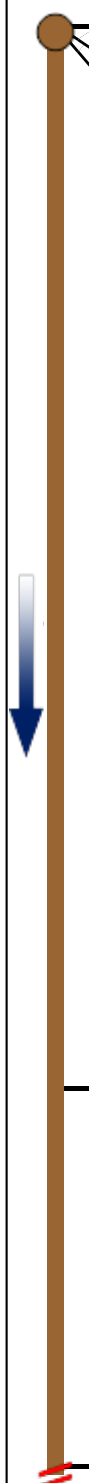
Surveyed by (Operator) SAM/DECLAN	Job Number LS5871	Pipe Length Reference(PLR) UCMH01 X	Date 25/03/2025	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 5/0	Base Unit S1OE5CSLD1	Section Number 4

Road Pennington Street, Place Levenshulme, Location Manchester,	Division District Location Details
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Purpose Duty Surface water Catchment	Shape/Size 675mm Material Brick Category	Start Node UCMH01 End Node 9602 Total length 6.63 metres
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Scale 1:0.35 Direction Downstream
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Start Node Ref:UCMH01 | I/L : metres | Depth: 1.43 metres

Position	Code	Description	Photo	Type/Grade
	0.00 0.00 0.00	MH WL REM		
		Start node type, manhole, reference UCMH01 Water level 10% height/diameter - Roots mass 30% cross-sectional area loss, Changed	11860559 11860562 11904824	Comment / 0 Comment / 0 Service / 5
	4.89	REM		- Roots mass 50% cross-sectional area loss, Changed 11904825 Service / 5
	6.63	SA		Survey abandoned - Remark: UNABLE TO PASS 11860610 Comment / 0

End Node Ref:9602 | I/L : metres



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Start node type, manhole, reference UCMH01



Water level 10% height/diameter



- Roots mass 30% cross-sectional area loss, Changed



- Roots mass 50% cross-sectional area loss, Changed



Survey abandoned - Remark: UNABLE TO PASS

OFFICES NATIONWIDE



North West Office

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



Midlands Office

Unit 2, 262 Walsall Road, Cannock, WS11 0JL



Southern Office

Grove Park Business Estate Waltham Rd,
White Waltham, Maidenhead SL6 3LW



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