

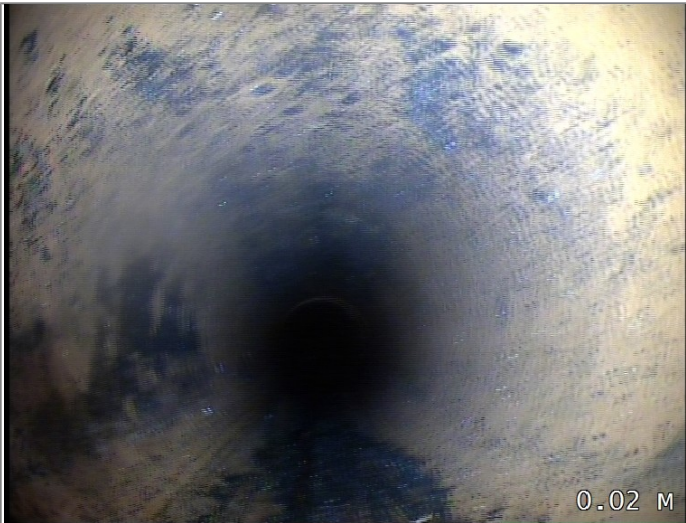


Job Number
000933

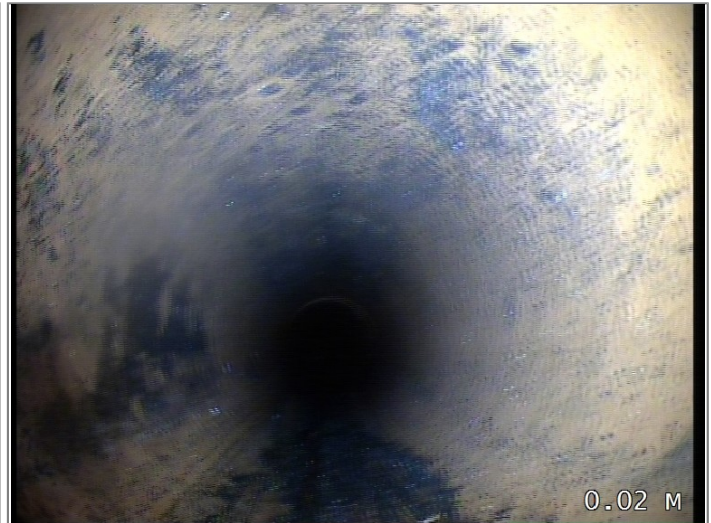
Surveyed by (Operator)
LEE MORTON

Base Unit
ELFEIYII63

Date
13/08/2021



Start node type, manhole, reference MH 03



Water level 5% height/diameter



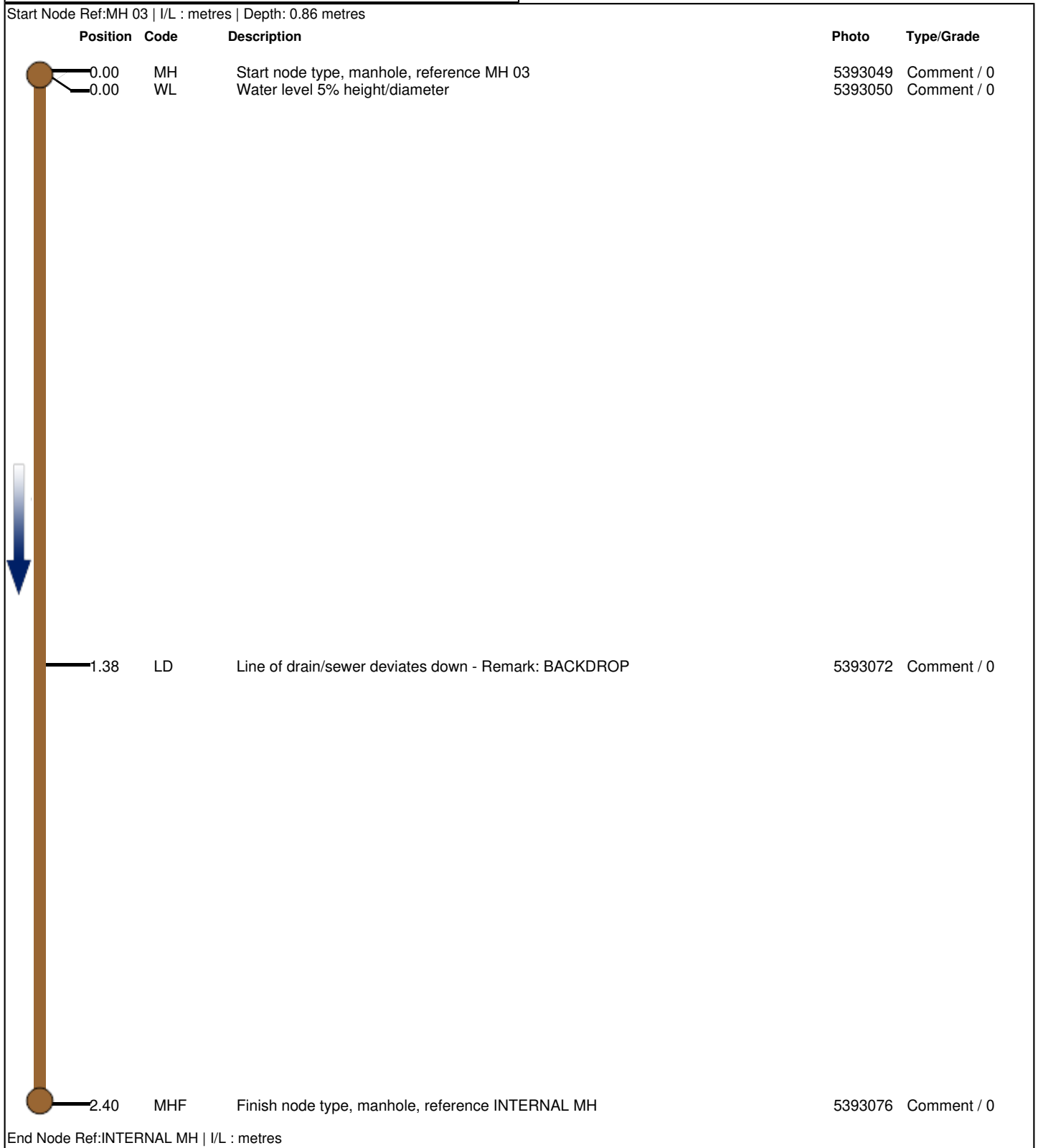
Line of drain/sewer deviates left



Survey abandoned - Remark: DEBRIS - 80%



Surveyed by (Operator) LEE MORTON	Job Number 000933	Pipe Length Reference(PLR) MH 03 X	Date 13/08/2021	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit ELFEIYII63	Section Number 6
Road THE FAIRFIELD Place BACKWELL STREET Location MANCHESTER		Division District Location Details		
Purpose Duty Combined Catchment	Shape/Size 100mm Material Vitrified clay Category	Start Node MH 03 End Node INTERNAL MH Total length 2.4 metres		
Scale 1:0.10 Direction Downstream				





Job Number
000933

Surveyed by (Operator)
LEE MORTON

Base Unit
ELFEI1163

Date
13/08/2021



Start node type, manhole, reference MH 03



Water level 5% height/diameter



Line of drain/sewer deviates down - Remark: BACKDROP



Finish node type, manhole, reference INTERNAL MH



Surveyed by (Operator) LEE MORTON	Job Number 000933	Pipe Length Reference(PLR) GULLY 1 X	Date 13/08/2021	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit ELFEIYII63	Section Number 7
Road THE FAIRFIELD Place BACKWELL STREET Location MANCHESTER		Division District Location Details		
Purpose Duty Combined Catchment	Shape/Size 100mm Material Vitrified clay Category	Start Node GULLY 1 End Node MAIN CARRIER Total length 0.9 metres		
Scale 1:0.00 Direction Downstream				

Start Node Ref:GULLY 1 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	GY	Start node type, gully, reference GULLY 1	5393523	Comment / 0
0.00	WL	Water level 5% height/diameter	5393525	Comment / 0
0.24	LD	Line of drain/sewer deviates down	5393526	Comment / 0
0.74	REM	MAIN CARRIER	5393527	Comment / 0
0.90	BRF	Finish node type, major connection without manhole, reference MAIN CARRIER	5393531	Comment / 0

End Node Ref:MAIN CARRIER | I/L : metres



Job Number
000933

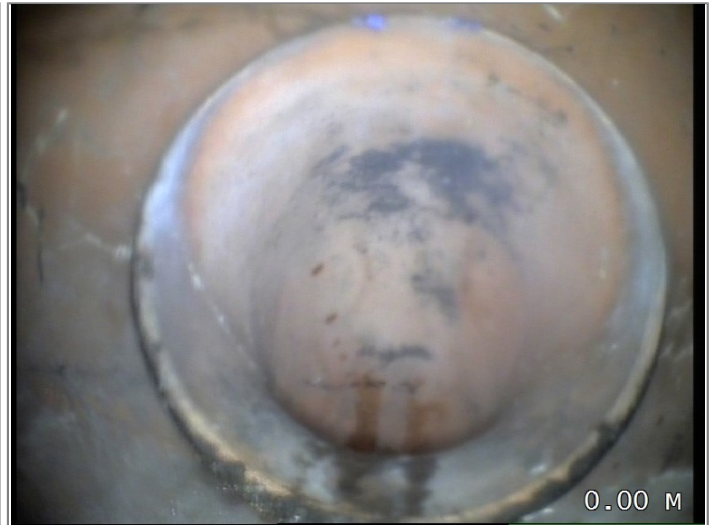
Surveyed by (Operator)
LEE MORTON

Base Unit
ELFEIYII63

Date
13/08/2021



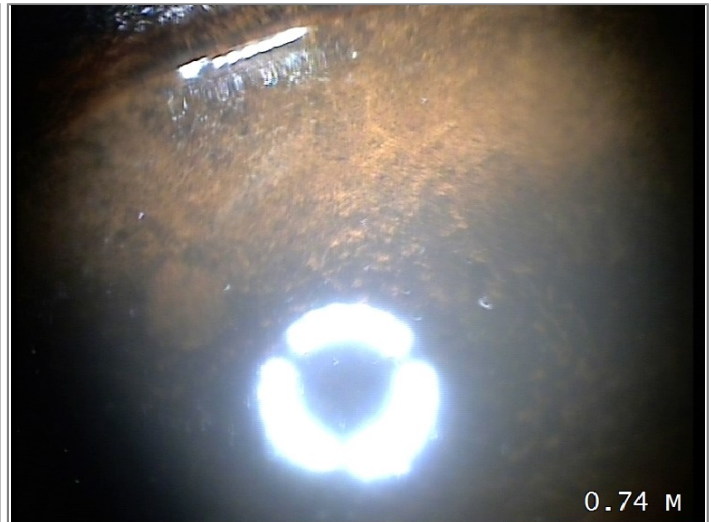
Start node type, gully, reference GULLY 1



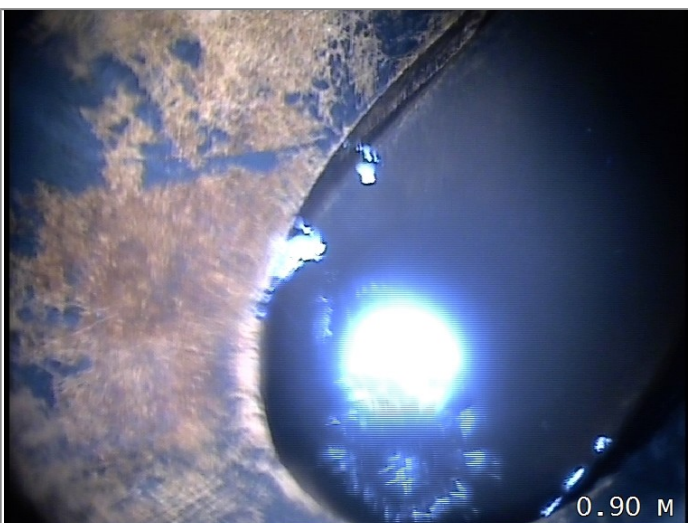
Water level 5% height/diameter



Line of drain/sewer deviates down



MAIN CARRIER



Finish node type, major connection without manhole, reference MAIN CARRIER



Surveyed by (Operator) LEE MORTON	Job Number 000933	Pipe Length Reference(PLR) GULLY 2 X	Date 13/08/2021	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit ELFEIYII63	Section Number 8

Road THE FAIRFIELD Place BACKWELL STREET Location MANCHESTER	Division District Location Details
---	--

Purpose Duty Combined Catchment	Shape/Size 100mm Material Vitrified clay Category	Start Node GULLY 2 End Node MAIN CARRIER Total length 1 metres
--	---	---

Scale 1:0.05 Direction Downstream	
--	--

Start Node Ref:GULLY 2 I/L : metres				Photo	Type/Grade
Position	Code	Description			
0.00	GY	Start node type, gully, reference GULLY 2		5393545	Comment / 0
0.00	WL	Water level 5% height/diameter		5393547	Comment / 0
0.48	LD	Line of drain/sewer deviates down		5393548	Comment / 0
1.00	BRF	Finish node type, major connection without manhole, reference MAIN CARRIER		5393549	Comment / 0
End Node Ref:MAIN CARRIER I/L : metres					



Job Number
000933

Surveyed by (Operator)
LEE MORTON

Base Unit
ELFEIYI163

Date
13/08/2021



Start node type, gully, reference GULLY 2



Water level 5% height/diameter



Line of drain/sewer deviates down



Finish node type, major connection without manhole, reference MAIN CARRIER



Surveyed by (Operator) LEE MORTON	Job Number 000933	Pipe Length Reference(PLR) LAMP HOLE X	Date 13/08/2021	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 3/0	Base Unit ELFEIYII63	Section Number 9
Road THE FAIRFIELD Place BACKWELL STREET Location MANCHESTER		Division District Location Details		
Purpose Duty Combined Catchment	Shape/Size 225mm Material Vitrified clay Category		Start Node LAMP HOLE End Node MAIN CARRIER Total length 30 metres	
Scale 1:1.57 Direction Downstream				

Start Node Ref:LAMP HOLE | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	RE	Start node type, rodding eye, reference LAMP HOLE	5393591	Comment / 0
0.00	WL	Water level 15% height/diameter	5393592	Comment / 0
0.00	DER	Settled deposits coarse 10% cross-sectional area loss	5393593	Service / 3
				
9.10	SA	Survey abandoned - Remark: UNABLE TO PUSH FURTHER	5393623	Comment / 0

End Node Ref:MAIN CARRIER | I/L : metres



Job Number
000933

Surveyed by (Operator)
LEE MORTON

Base Unit
ELFEIYI63

Date
13/08/2021



Start node type, rodding eye, reference LAMP HOLE



Water level 15% height/diameter



Settled deposits coarse 10% cross-sectional area loss



Survey abandoned - Remark: UNABLE TO PUSH FURTHER



LAYER SURVEYS LTD

SEE THE COMPLETE PICTURE

North West Office:

Francis House, Meadowcroft Business Park,
Pope Lane, Preston, PR4 4BA

Midlands Office:

5A Anchor Road,
Aldridge WS9 8PT

Southern Office:

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

T: 01772 611634

M: 07341 953636

darren@layersurveys.co.uk

www.layersurveys.co.uk

[f @layersurveys](https://www.facebook.com/layersurveys)

LinkedIn



Constructionline
Silver Member

Layer Surveys Ltd

Head Office: Francis House, Meadowcroft Business Park, Pope Lane, Preston, PR4 4BA
T: 01772 611634



LAYER SURVEYS LTD
SEE THE COMPLETE PICTURE

Layer Surveys Ltd Manhole Survey Card

Card No	01	Map No	
Catchment		MH No	MH 02
Location	THE FAIRFIELD		
Town	MANCHESTER M11 1NE		

★ PR	Status		Syphon	★ C	Function	★ MH	MH Type	13/08/2021	Date of Survey
---------	--------	--	--------	--------	----------	---------	---------	------------	----------------

COVER DETAILS

☐ Square	☒ Rectangle	☐ Triangle	☐ Dbl Triangle	☐ Circular	☐ Oval	☐ Other	☐ Multiple	☐ Hinged	☐ Lockable
Cover Level		m	H / M / L Cover Duty	★ M	Initials	CL			

PIPE DETAILS

Incoming Pipes

Clockwise from pipe X	Pipe	Depth from Invert (m)	Upstream / Downstream MH Ref	Shape	Size (mm)			Pipe Mat	Lining Mat	Back Drop Dia (mm)	Back Drop Depth (m)
	A	0.97		C	100	X		PF			
	B	0.86		C	100	X		VC			
	C	0.96		C	100	X		VC			
	D	0.96		C	100	X		VC			
	E					X					
	F					X					

Outgoing Pipes

X	0.98		C	100	X		VC			
Y					X					

Cover Opening at narrowest	730 X 590	mm	Chamber Dimension	800 X 900	mm	Evidence of Surcharge	
Shaft at narrowest		mm	Shaft Depth (from CL)		mm	OX / H2S / METH Toxic atmosphere	

MANHOLE CONSTRUCTION DETAILS

☐ Pre Cast Concrete	☐ In Situ Concrete	☒ Brick	☐ GRP	☐ Arch	☐ Corbel	☐ Taper	☐ Side Entry
☒ Reducing Slab	☐ Segments	☐ No. of Landings	☐ No. of Step Irons	☐ No. of Ladders			
☐ No. of Regulating Brick Courses							

CONDITION INFORMATION (specific in remark)

	Cover	Shaft	Irons / Ladders	Chamber	Benching	Channel
OK	☒	☐	☐	☒	☒	☒
Needs attention	☐	☐	☐	☐	☐	☐
Urgent attention	☐	☐	☐	☐	☐	☐
Depth of Flow		mm	Depth of Silt		mm	Height of Surcharge from CL

REMARKS

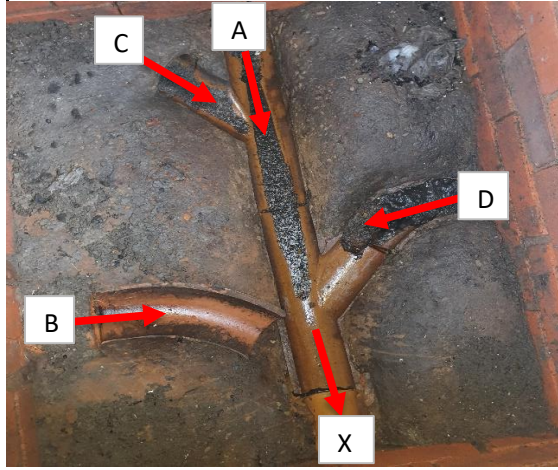
BRANCH C CAPPED
BRANCH D FULL OF SILT - CLEANING REQUIRED

★ See Overleaf for Key

LOCATION SKETCH



PLAN OF MANHOLE



STATUS	PU : Public	PR : Private	WC : Culverted Watercourse	} Applies to main outlet
	24 : Section 24	HD : Highway Drain		
FUNCTION	F : Foul	C : Combined	S : Surface Water	} Applies to main outlet
MANHOLE TYPE	IF : Infall	MH : Manhole	CP : Catchpit	CSO : Consented Sewer Overflow
	LH : Lamphole	RE : Rodding Eye	SO : Storm Overflow	DS : Dual system Manhole
	GU : Gully	OF : Outfall	SA : Soakaway	PS : Pumping Station
COVER DUTY	L : Light Duty	M : Medium Duty	H : Heavy Duty	
SHAPE	C : Circular	E : Egg	R : Rectangular	
	S : Square	T : Trapezoidal	A : Arched	
	B : Barrel	H : Horseshoe (Inverted U)	U : U-shaped with flat top	
	X : Other (state in words)			
PIPE (OR LINING) MATERIAL	AK : Alkathene	AC : Asbestos Cement	BR : Brick	
	CI : Cast Iron	SI : Spun (Grey) Iron	CO : Concrete	
	CSB : Concrete Segments (Bolted)	CSU : Concrete Segments (Unbolted)	CC : Concrete Box Culvert	
	DI : Ductile Iron	GRC : Glass Reinforced Concrete	GRP : Glass Reinforced Plastic	
	PSC : Plastic/Steel Composite	PVC : Polyvinyl Chloride	PE : Polyethylene	
	RPM : Reinforced Plastic Matrix	ST : Steel	VC : Vitrified Clay	
	PP : Polypropylene	PF : Pitch Fibre	MAC : Masonry, Coursed	
	MAF : Masonry, Randon Courses	XXX : Other (State in remarks)		
LINING	BL : Bitumen	RL : Resin	IS : Insituform	
	CL : Cement	PI : Plastic		

Layer Surveys Ltd

Head Office: Francis House, Meadowcroft Business Park, Pope Lane, Preston, PR4 4BA
T: 01772 611634



LAYER SURVEYS LTD

SEE THE COMPLETE PICTURE

Layer Surveys Ltd Manhole Survey Card

Card No	02	Map No	
Catchment		MH No	MH 03
Location	THE FAIRFIELD02		
Town	MANCHESTER M11 1NE		

★ PR	Status		Syphon	★ C	Function	★ MH	MH Type	13/08/2021	Date of Survey
---------	--------	--	--------	--------	----------	---------	---------	------------	----------------

COVER DETAILS

☒ Square
 ☐ Rectangle
 ☐ Triangle
 ☐ Dbl Triangle
 ☐ Circular
 ☐ Oval
 ☐ Other
 ☐ Multiple
 ☐ Hinged
 ☐ Lockable

Cover Level		m	H / M / L Cover Duty	★ M	Initials	CL
-------------	--	---	----------------------	--------	----------	----

PIPE DETAILS

Incoming Pipes

Clockwise from pipe X	Pipe	Depth from Invert (m)	Upstream / Downstream MH Ref	Shape	Size (mm)			Pipe Mat	Lining Mat	Back Drop Dia (mm)	Back Drop Depth (m)
					Height		Width				
	A	0.86		C	100	X		VC			
	B	0.70		C	100	X		VC			
	C	0.70		C	100	X		VC			
	D					X					
	E					X					
F					X						

Outgoing Pipes

X	0.87		C	100	X		VC			
Y					X					

Cover Opening at narrowest	640 X 640	mm	Chamber Dimension	540 X 540	mm	Evidence of Surcharge	
Shaft at narrowest		mm	Shaft Depth (from CL)		mm	OX / H2S / METH Toxic atmosphere	

MANHOLE CONSTRUCTION DETAILS

☐ Pre Cast Concrete
 ☐ In Situ Concrete
 ☒ Brick
 ☐ GRP
 ☐ Arch
 ☐ Corbel
 ☐ Taper
 ☐ Side Entry

☒ Reducing Slab
 ☐ Segments
 ☐ No. of Landings
 ☐ No. of Step Irons
 ☐ No. of Ladders

☐ No. of Regulating Brick Courses

CONDITION INFORMATION (specific in remark)

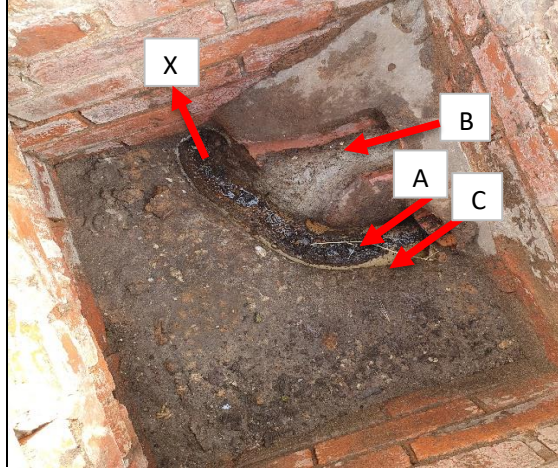
	Cover	Shaft	Irons / Ladders	Chamber	Benching	Channel	
OK	☒	☐	☐	☒	☒	☒	
Needs attention	☐	☐	☐	☐	☐	☐	
Urgent attention	☐	☐	☐	☐	☐	☐	
Depth of Flow		mm	Depth of Silt		mm	Height of Surcharge from CL	

REMARKS

LOCATION SKETCH



PLAN OF MANHOLE



STATUS	PU : Public	PR : Private	WC : Culverted Watercourse	} Applies to main outlet
	24 : Section 24	HD : Highway Drain		
FUNCTION	F : Foul	C : Combined	S : Surface Water	} Applies to main outlet
MANHOLE TYPE	IF : Infall	MH : Manhole	CP : Catchpit	CSO : Consented Sewer Overflow
	LH : Lamphole	RE : Rodding Eye	SO : Storm Overflow	DS : Dual system Manhole
	GU : Gully	OF : Outfall	SA : Soakaway	PS : Pumping Station
COVER DUTY	L : Light Duty	M : Medium Duty	H : Heavy Duty	
SHAPE	C : Circular	E : Egg	R : Rectangular	
	S : Square	T : Trapezoidal	A : Arched	
	B : Barrel	H : Horseshoe (Inverted U)	U : U-shaped with flat top	
	X : Other (state in words)			
PIPE (OR LINING) MATERIAL	AK : Alkathene	AC : Asbestos Cement	BR : Brick	
	CI : Cast Iron	SI : Spun (Grey) Iron	CO : Concrete	
	CSB : Concrete Segments (Bolted)	CSU : Concrete Segments (Unbolted)	CC : Concrete Box Culvert	
	DI : Ductile Iron	GRC : Glass Reinforced Concrete	GRP : Glass Reinforced Plastic	
	PSC : Plastic/Steel Composite	PVC : Polyvinyl Chloride	PE : Polyethylene	
	RPM : Reinforced Plastic Matrix	ST : Steel	VC : Vittrified Clay	
	PP : Polypropylene	PF : Pitch Fibre	MAC : Masonry, Coursed	
	MAF : Masonry, Randon Courses	XXX : Other (State in remarks)		
LINING	BL : Bitumen	RL : Resin	IS : Insituform	
	CL : Cement	PI : Plastic		

Layer Surveys Ltd

Head Office: Francis House, Meadowcroft Business Park, Pope Lane, Preston, PR4 4BA
T: 01772 611634



LAYER SURVEYS LTD
SEE THE COMPLETE PICTURE

Layer Surveys Ltd Manhole Survey Card

Card No	03	Map No	
Catchment		MH No	MH 01
Location	THE FAIRFIELD02		
Town	MANCHESTER M11 1NE		

★ PR	Status		Syphon	★ C	Function	★ MH	MH Type	13/08/2021	Date of Survey
---------	--------	--	--------	--------	----------	---------	---------	------------	----------------

COVER DETAILS

☐ Square	☒ Rectangle	☐ Triangle	☐ Dbl Triangle	☐ Circular	☐ Oval	☐ Other	☐ Multiple	☐ Hinged	☐ Lockable
Cover Level		m	H / M / L Cover Duty	★ M	Initials	CL			

PIPE DETAILS

Incoming Pipes

Clockwise from pipe X	Pipe	Depth from Invert (m)	Upstream / Downstream MH Ref	Shape	Size (mm)		Pipe Mat	Lining Mat	Back Drop Dia (mm)	Back Drop Depth (m)
	A					X				
	B					X				
	C					X				
	D					X				
	E					X				
	F					X				

Outgoing Pipes

X					X				
Y					X				

Cover Opening at narrowest		mm	Chamber Dimension		mm	Evidence of Surcharge	
Shaft at narrowest		mm	Shaft Depth (from CL)		mm	OX / H2S / METH Toxic atmosphere	

MANHOLE CONSTRUCTION DETAILS

☐ Pre Cast Concrete	☐ In Situ Concrete	☒ Brick	☐ GRP	☐ Arch	☐ Corbel	☐ Taper	☐ Side Entry
☒ Reducing Slab	☐ Segments	☐ No. of Landings	☐ No. of Step Irons	☐ No. of Ladders			
☐ No. of Regulating Brick Courses							

CONDITION INFORMATION (specific in remark)

	Cover	Shaft	Irons / Ladders	Chamber	Benching	Channel	
OK	☐	☐	☐	☐	☐	☐	
Needs attention	☐	☐	☐	☐	☐	☐	
Urgent attention	☒	☐	☐	☒	☒	☒	
Depth of Flow		mm	Depth of Silt		mm	Height of Surcharge from CL	

REMARKS

UNABLE TO SEE INCOMING AND OUTGOING PIPES
MANHOLE FULL OF WASTE AND DEBRIS - NO COVER JUST BRICK SLABS

LOCATION SKETCH



PLAN OF MANHOLE



STATUS	PU : Public	PR : Private	WC : Culverted Watercourse	} Applies to main outlet
	24 : Section 24	HD : Highway Drain		
FUNCTION	F : Foul	C : Combined	S : Surface Water	} Applies to main outlet
MANHOLE TYPE	IF : Infall	MH : Manhole	CP : Catchpit	CSO :Consented Sewer Overflow
	LH : Lamphole	RE : Rodding Eye	SO : Storm Overflow	DS :Dual system Manhole
	GU : Gully	OF : Outfall	SA : Soakaway	PS :Pumping Station
COVER DUTY	L : Light Duty	M : Medium Duty	H : Heavy Duty	
SHAPE	C : Circular	E : Egg	R : Rectangular	
	S : Square	T : Trapezoidal	A : Arched	
	B : Barrel	H : Horseshoe (Inverted U)	U : U-shaped with flat top	
	X : Other (state in words)			
PIPE (OR LINING) MATERIAL	AK : Alkathene	AC : Asbestos Cement	BR : Brick	
	CI : Cast Iron	SI : Spun (Grey) Iron	CO : Concrete	
	CSB: Concrete Segments (Bolted)	CSU: Concrete Segments (Unbolted)	CC : Concrete Box Culvert	
	DI : Ductile Iron	GRC: Glass Reinforced Concrete	GRP : Glass Reinforced Plastic	
	PSC: Plastic/Steel Composite	PVC: Polyvinyl Chloride	PE : Polyethylene	
	RPM: Reinforced Plastic Matrix	ST : Steel	VC : Vitrified Clay	
	PP : Polypropylene	PF : Pitch Fibre	MAC : Masonry, Coursed	
	MAF: Masonry, Randon Courses	XXX: Other (State in remarks)		
LINING	BL : Bitumen	RL : Resin	IS : Insituform	
	CL : Cement	PI : Plastic		