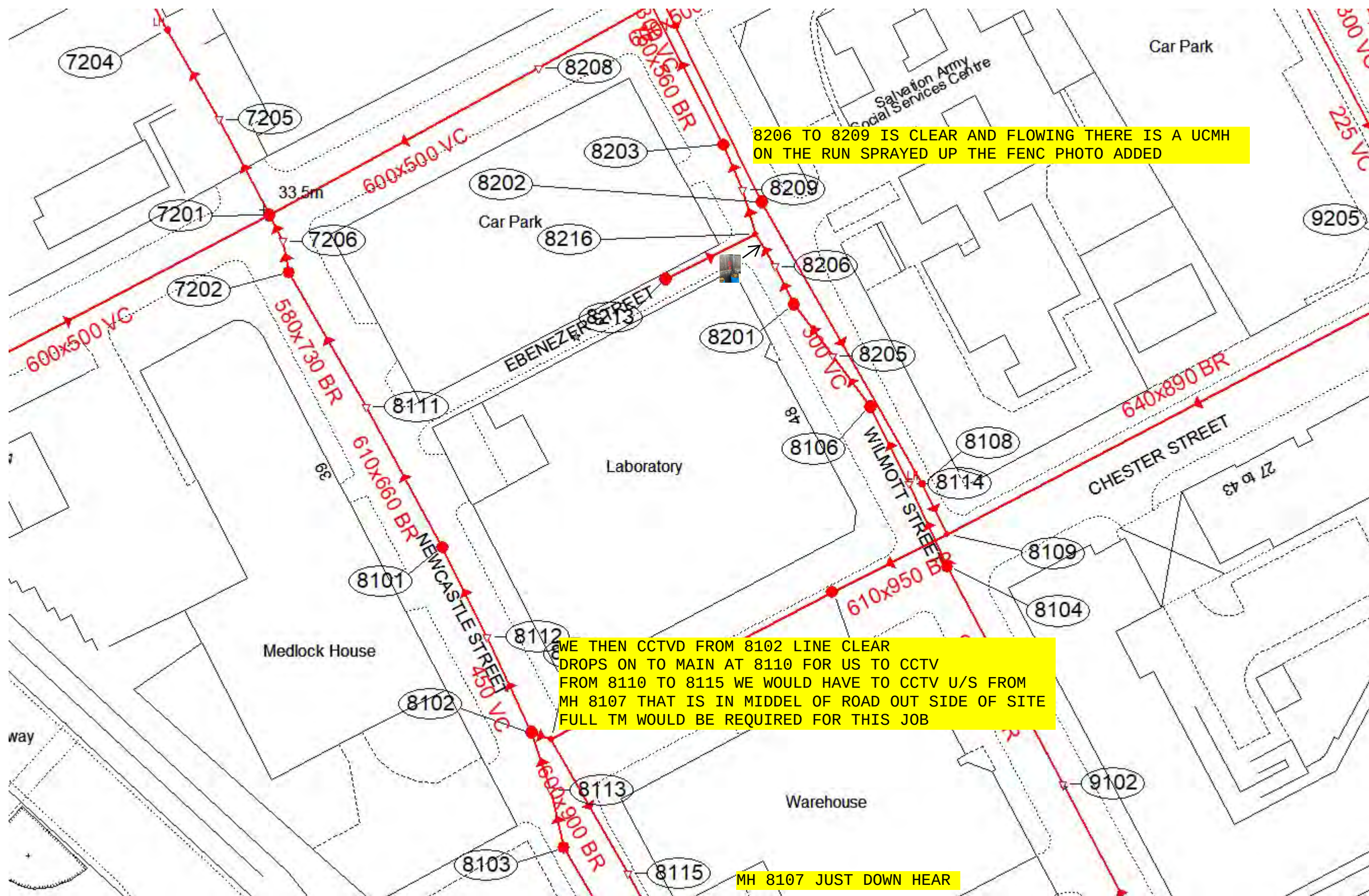




8206 TO 8209 IS CLEAR AND FLOWING THERE IS A UCMH ON THE RUN SPRAYED UP THE FENC PHOTO ADDED

WE THEN CCTVD FROM 8102 LINE CLEAR DROPS ON TO MAIN AT 8110 FOR US TO CCTV FROM 8110 TO 8115 WE WOULD HAVE TO CCTV U/S FROM MH 8107 THAT IS IN MIDDLE OF ROAD OUT SIDE OF SITE FULL TM WOULD BE REQUIRED FOR THIS JOB

MH 8107 JUST DOWN HEAR



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SEE THE COMPLETE PICTURE

DRAINAGE SURVEY

Job Number
LAYERSERV0001147Surveyed by (Operator)
JoeBase Unit
DJVV56JNNHDate
04/02/2022

Client Details:

MPB Structures
14 Crucible Road,
Corby,
Northamptonshire
NN17 5TSClient Contact Name: Chris Killoran
Client Contact Tel: 07879 647791

Site Details:

First Street,
Manchester,
M15 4GUSite Contact Name: Chris Turner
Site Contact Tel: 07833258238

Contractor Details:

Layer Surveys Ltd
Francis House
Meadowcroft Business Park
Pope Lane
Preston
Lancashire
PR4 4BA

Office Contact Number: 01772 611634

Purpose of Survey:

Job Number LAYERSERV0001147	Surveyed by (Operator) Joe	Base Unit DJVV56JNNH	Date 04/02/2022
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Report Contents

Page 1	Cover Page
Page 2	Job Overview
Page 3	Contents Page
Page 4	Survey Run Sheet(Survey 1 - SJ83978102 to SJ83978110)
Page 7	Survey Run Sheet(Survey 2 - SJ83978206 to SJ83978209)
Page 9	Final Page



Surveyed by (Operator) Joe	Job Number LAYERSERV0001147	Pipe Length Reference(PLR) SJ83978102X	Date 04/02/2022	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 3/0	Base Unit DJVV56JNNH	Section Number 1

Road First Street, Place Manchester, Location M15 4GU	Division District Location Details
--	--

Purpose Duty Combined Catchment	Shape/Size 450mm Material Vitrified clay Category	Start Node SJ83978102 End Node SJ83978110 Total length 15.19 metres
--	---	--

Scale 1:0.79 Direction Downstream
--

Start Node Ref: SJ83978102 | I/L : metres | Depth: 6.75 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference SJ83978102	6006238	Comment / 0
0.00	WL	Water level 5% height/diameter	6006239	Comment / 0
3.83	DEE	Attached deposits, encrustation from 7 to 11 o'clock 10% cross-sectional area loss	6006253	Service / 3
5.39	LD	Line of drain/sewer deviates down	6006254	Comment / 0
12.61	LL	Line of drain/sewer deviates left	6006296	Comment / 0
13.62	LL	Line of drain/sewer deviates left	6006298	Comment / 0
15.19	OCF	Finish node type, other special chamber, reference SJ83978110 CONNECTION NODE	6006328	Comment / 0

End Node Ref: SJ83978110 | I/L : metres | Depth: 0 metres



Job Number LAYERSERV0001147	Surveyed by (Operator) Joe	Base Unit DJVV56JNNH	Date 04/02/2022
 10:04:30 4-FEB-22 0.01m Start node type, manhole, reference SJ83978102			
 10:04:30 4-FEB-22 0.01m Water level 5% height/diameter			
 From: SJ83978102 / To: SJ83978115 Size: 450mm 10:04:55 4-FEB-22 3.71m Attached deposits, encrustation from 7 to 11 o'clock 10% cross-sectional area loss			
 From: SJ83978102 / To: SJ83978115 Size: 450mm 10:05:47 4-FEB-22 5.36m Line of drain/sewer deviates down			
 From: SJ83978102 / To: SJ83978115 Size: 450mm 10:08:01 4-FEB-22 12.58m Line of drain/sewer deviates left			
 From: SJ83978102 / To: SJ83978115 Size: 450mm 10:08:32 4-FEB-22 13.43m Line of drain/sewer deviates left			



Job Number LAYERSERV0001147	Surveyed by (Operator) Joe	Base Unit DJVV56JNNH	Date 04/02/2022
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Finish node type, other special chamber, reference SJ83978110
CONNECTION NODE

Surveyed by (Operator) Joe	Job Number LAYERSERV0001147	Pipe Length Reference(PLR) SJ83978206X	Date 04/02/2022	Pre Cleaned Not Cleaned
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit DJVV56JNNH	Section Number 2

Road First Street, Place Manchester, Location M15 4GU	Division District Location Details
--	--

Purpose Duty Combined Catchment	Shape/Size 550mm Material Brick Category	Start Node SJ83978206 End Node SJ83978209 Total length 17.5 metres
--	--	---

 Scale **1:0.89**
 Direction **Downstream**

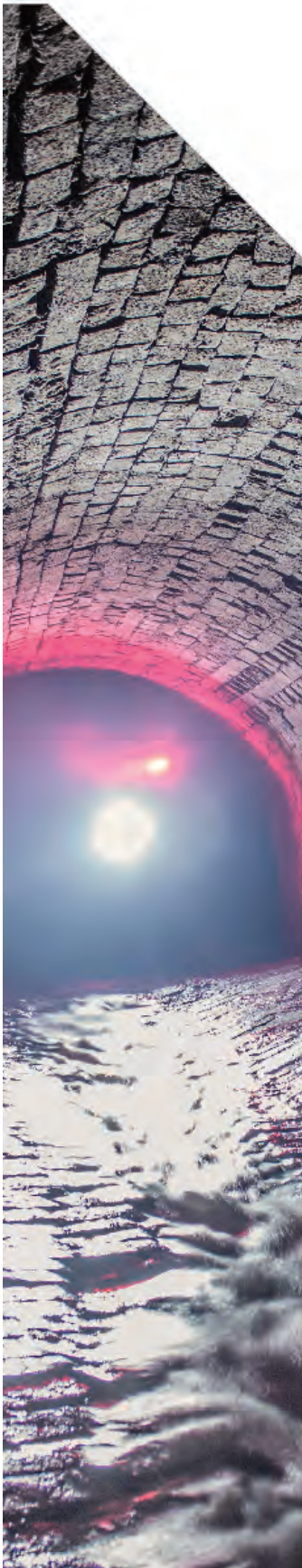
Start Node Ref: SJ83978206 | I/L : metres | Depth: 3.7 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference SJ83978216	6006872	Comment / 0
0.00	WL	Water level 5% height/diameter	6006873	Comment / 0
9.29	JN	Junction at 9 o'clock, diameter 550mm x 900mm	6006966	Comment / 0
10.40	CN	Connection other than junction at 3 o'clock, diameter 225mm	6006977	Comment / 0
17.50	MHF	Finish node type, manhole, reference SJ83978203 OK	6006992	Comment / 0

End Node Ref: SJ83978209 | I/L : metres | Depth: 0 metres



Job Number LAYERSERV0001147	Surveyed by (Operator) Joe	Base Unit DJVV56JNNH	Date 04/02/2022
			
Start node type, manhole, reference SJ83978216			
			
Water level 5% height/diameter			
			
Junction at 9 o'clock, diameter 550mm x 900mm			
			
Connection other than junction at 3 o'clock, diameter 225mm			
			
Finish node type, manhole, reference SJ83978203 OK			



LAYER SURVEYS LTD

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North West Office:

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

Midlands Office:

5A Anchor Road,
Aldridge WS9 8PT

Southern Office:

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[LinkedIn](#)



Layer Surveys Ltd Manhole Survey Card

Card No	1	Map No	
Catchment		MH No	MHJ8102
Location			
Town	FIRST STREET MANCHESTER		

★ PU	Status	★ C	Function	★ MH	MH Type	Date of Survey
---------	--------	--------	----------	---------	---------	----------------

COVER DETAILS

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

Cover Level m
 H / M / L Cover Duty ★
H

Initials

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	X	Width				
	A	6.70		C	450	X		VC			
	B	6.30		C	150	X		VC			
	C	6.30		C	150	X		VC			
	D	6		C	150	X		VC			
	E					X					
	F					X					

Outgoing Pipes

X	6.75		C	450	X		VC			
Y					X					

Cover Opening at narrowest	460 X 460	mm	Chamber Dimension	1.2 X 900	mm	Evidence of Surge	
Shaft at narrowest	900.00	mm	Shaft Depth (from CL)	4	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	1 No. of Landings	16 No. of Step Irons	0 No. of Ladders			
☐ No. of Regulating Brick Courses							

CONDITION INFORMATION (specific in remark)

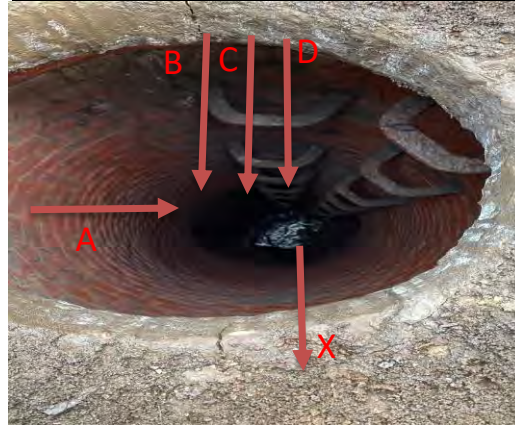
	Cover	Shaft	Irons / Ladders	Chamber	Benching	Channel
OK	☒	☒	☒	☒	☒	☒
Needs attention	☐	☐	☐	☐	☐	☐
Urgent attention	☐	☐	☐	☐	☐	☐
Depth of Flow			Depth of Silt			Height of Surge from CL
	mm			mm		mm

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 : Vitrified Clay	
	PP : Polypropylene	PF : Pitch Fibre	MAC : Masonry, Coursed	
	MAF : Masonry, Random 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



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Layer Surveys Ltd Manhole Survey Card

Card No	2	Map No	
Catchment		MH No	MH8206
Location			
Town	FIRST STREET MANCHESTER		

★	PU	Status		Syphon	★	C	Function	★	MH	MH Type		Date of Survey
---	---------------------------------	--------	----------------------	--------	---	--------------------------------	----------	---	---------------------------------	---------	----------------------	----------------

COVER DETAILS

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

Cover Level m
 H / M / L Cover Duty ☒ H
 Initials

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	3.50		C	550	X	B			
	B	3.35		C	225	X	VC			
	C					X				
	D					X				
	E					X				
	F					X				

Outgoing Pipes

X	3.57		C	550	X		B			
Y					X					

Cover Opening at narrowest	470 X 470 mm	Chamber Dimension	650 X 600 mm	Evidence of Surcharge	
Shaft at narrowest	X mm	Shaft Depth (from CL)	X 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	0 No. of Landings	7 No. of Step Irons	0 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		Depth of Silt		Height of Surcharge from CL		

REMARKS

★ See Overleaf for Key

LOCATION SKETCH



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