



SURVEY & ENGINEERING PROJECTS

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s Botanical Grounds,
iversity of Manchester

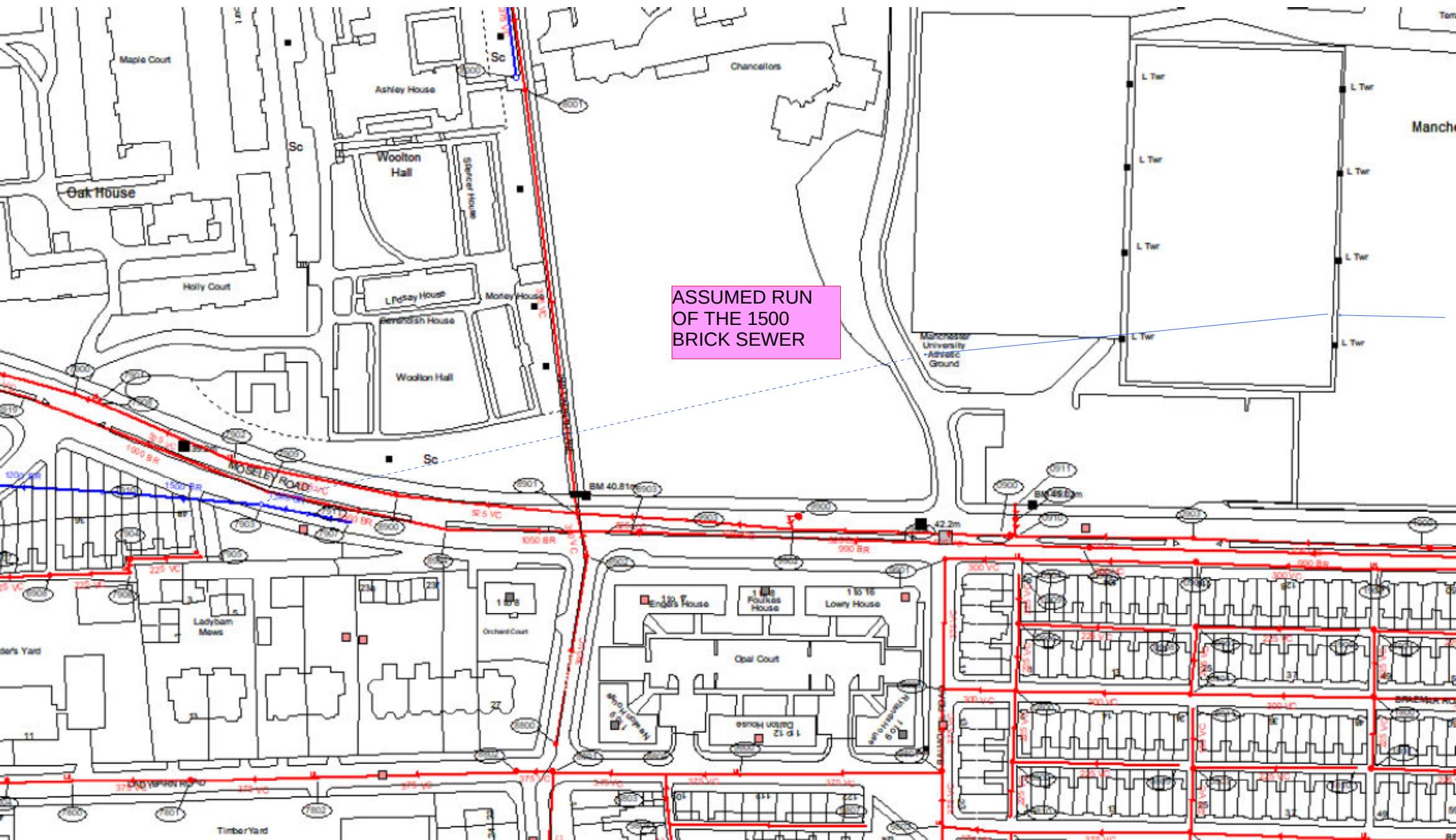
The Armitage Sports
Centre - University of

Diversity driving
school Julie Toner

Hawthorn Medic
/ Urgent Care

OUT OF CABLE RANGE
MARKED





ASSUMED RUN
OF THE 1500
BRICK SEWER



Survey and Engineering Projects Ltd Manhole Survey Card

Card No	3	Map No	
Catchment		MH No	MH1
Location	HAWTHORN FALLOWFIELD		
Town	MANCHESTER		

★ PU Status	Syphon	★ S Function	★ MH MH Type	29/05/2025 Date of Survey
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COVER DETAILS

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

Cover Level m H / M / L Cover Duty 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	2.22	MH1A	C	1200	X	PVC			
	B					X				
	C					X				
	D					X				
	E					X				
	F					X				

Outgoing Pipes

X	2.24	MH2B	C	950	X	PVC			
Y	2.24	MH2C	C	950	X	PVC			

Cover Opening at narrowest	680X680 mm	Chamber Dimension	2.25X1.14 mm	Evidence of Surcharge	
Shaft at narrowest	680X680 mm	Shaft Depth (from CL)	500 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			
3 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

N



PLAN OF MANHOLE

N

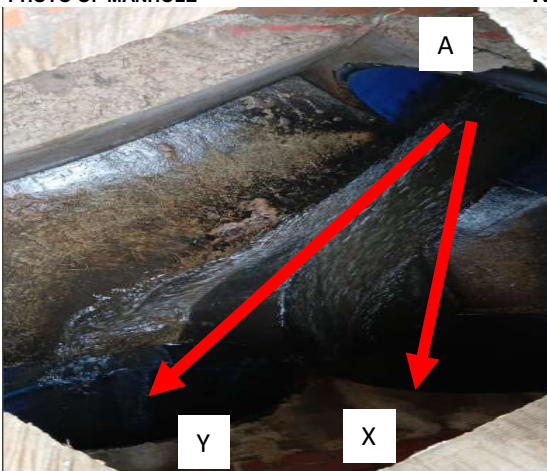


LOCATION PHOTO



PHOTO OF MANHOLE

N



STATUS

PU : Public
24 : Section 24

PR : Private
HD : Highway Drain

WC : Culverted Watercourse

} Applies to main outlet

FUNCTION

F : Foul

C : Combined

S : Surface Water

} Applies to main outlet

MANHOLE TYPE

IF : Infall
LH : Lamphole
GU : Gully

MH : Manhole
RE : Rodding Eye
OF : Outfall

CP : Catchpit
SO : Storm Overflow
SA : Soakaway

CSO :Consented Sewer Overflow
DS :Dual system Manhole
PS :Pumping Station

COVER DUTY

L : Light Duty

M : Medium Duty

H : Heavy Duty

SHAPE

C : Circular
S : Square
B : Barrel
X : Other (state in words)

E : Egg
T : Trapezoidal
H : Horseshoe (Inverted U)

R : Rectangular
A : Arched
U : U-shaped with flat top

PIPE (OR LINING)
MATERIAL

AK : Alkathene
CI : Cast Iron
CSB : Concrete Segments (Bolted)
DI : Ductile Iron
PSC : Plastic/Steel Composite
RPM : Reinforced Plastic Matrix
PP : Polypropylene
MAF : Masonry, Random Courses

AC : Asbestos Cement
SI : Spun (Grey) Iron
CSU : Concrete Segments (Unbolted)
GRC : Glass Reinforced Concrete
PVC : Polyvinyl Chloride
ST : Steel
PF : Pitch Fibre
XXX : Other (State in remarks)

BR : Brick
CO : Concrete
CC : Concrete Box Culvert
GRP : Glass Reinforced Plastic
PE : Polyethylene
VC : Vitrified Clay
MAC : Masonry, Coursed

LINING

BL : Bitumen
CL : Cement

RL : Resin
PI : Plastic

IS : Insituform



Survey and Engineering Projects Ltd Manhole Survey Card

Card No	4	Map No	
Catchment		MH No	MH1A
Location	HAWTHORN FALLOWFIELD		
Town	MANCHESTER		

★	PU	Status		Syphon	★	S	Function	★	MH	MH Type	29/05/2025	Date of Survey
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COVER DETAILS

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

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

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	2.03	MH1B	C	1200	X	CO			
	B					X				
	C					X				
	D					X				
	E					X				
	F					X				

Outgoing Pipes

X	2.04	MH1	C	1200	X	PVC				
Y					X					

Cover Opening at narrowest	680X680	mm	Chamber Dimension	1.30X1.50	mm	Evidence of Surcharge	
Shaft at narrowest	680X680	mm	Shaft Depth (from CL)	600	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			
☒ 4 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	mm	

REMARKS

★ See Overleaf for Key

LOCATION SKETCH

N



PLAN OF MANHOLE

N

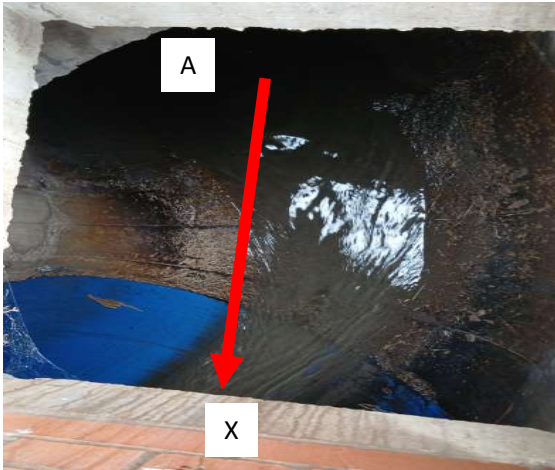


LOCATION PHOTO



PHOTO OF MANHOLE

N



STATUS

PU : Public
24 : Section 24

PR : Private
HD : Highway Drain

WC : Culverted Watercourse

} Applies to main outlet

FUNCTION

F : Foul

C : Combined

S : Surface Water

} Applies to main outlet

MANHOLE TYPE

IF : Infall
LH : Lamphole
GU : Gully

MH : Manhole
RE : Rodding Eye
OF : Outfall

CP : Catchpit
SO : Storm Overflow
SA : Soakaway

CSO : Consented Sewer Overflow
DS : Dual system Manhole
PS : Pumping Station

COVER DUTY

L : Light Duty

M : Medium Duty

H : Heavy Duty

SHAPE

C : Circular
S : Square
B : Barrel
X : Other (state in words)

E : Egg
T : Trapezoidal
H : Horseshoe (Inverted U)

R : Rectangular
A : Arched
U : U-shaped with flat top

PIPE (OR LINING)
MATERIAL

AK : Alkathene
CI : Cast Iron
CSB : Concrete Segments (Bolted)
DI : Ductile Iron
PSC : Plastic/Steel Composite
RPM : Reinforced Plastic Matrix
PP : Polypropylene
MAF : Masonry, Random Courses

AC : Asbestos Cement
SI : Spun (Grey) Iron
CSU : Concrete Segments (Unbolted)
GRC : Glass Reinforced Concrete
PVC : Polyvinyl Chloride
ST : Steel
PF : Pitch Fibre
XXX : Other (State in remarks)

BR : Brick
CO : Concrete
CC : Concrete Box Culvert
GRP : Glass Reinforced Plastic
PE : Polyethylene
VC : Vitrified Clay
MAC : Masonry, Coursed

LINING

BL : Bitumen
CL : Cement

RL : Resin
PI : Plastic

IS : Insituform



Survey and Engineering Projects Ltd Manhole Survey Card

Card No	5	Map No	
Catchment		MH No	MH1B
Location	HAWTHORN FALLOWFIELD		
Town	MANCHESTER		

★ PU Status	Syphon	★ S Function	★ MH MH Type	29/05/2025 Date of Survey
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COVER DETAILS

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

Cover Level m H / M / L Cover Duty 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	2.05		C	1200	X	CO			
	B					X				
	C					X				
	D					X				
	E					X				
	F					X				

Outgoing Pipes

X	2.06	MH1A	C	1200	X	CO			
Y					X				

Cover Opening at narrowest	620X900 mm	Chamber Dimension	1600X800 mm	Evidence of Surcharge	
Shaft at narrowest	590X840 mm	Shaft Depth (from CL)	600 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			
4 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

N



PLAN OF MANHOLE

N

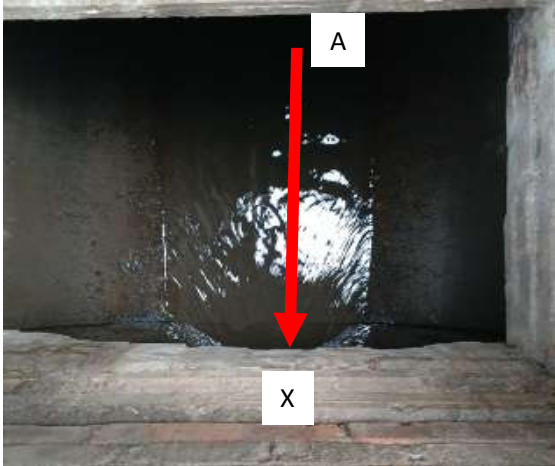


LOCATION PHOTO



PHOTO OF MANHOLE

N



STATUS

PU : Public
24 : Section 24

PR : Private
HD : Highway Drain

WC : Culverted Watercourse

} Applies to main outlet

FUNCTION

F : Foul

C : Combined

S : Surface Water

} Applies to main outlet

MANHOLE TYPE

IF : Infall
LH : Lamphole
GU : Gully

MH : Manhole
RE : Rodding Eye
OF : Outfall

CP : Catchpit
SO : Storm Overflow
SA : Soakaway

CSO : Consented Sewer Overflow
DS : Dual system Manhole
PS : Pumping Station

COVER DUTY

L : Light Duty

M : Medium Duty

H : Heavy Duty

SHAPE

C : Circular
S : Square
B : Barrel
X : Other (state in words)

E : Egg
T : Trapezoidal
H : Horseshoe (Inverted U)

R : Rectangular
A : Arched
U : U-shaped with flat top

PIPE (OR LINING)
MATERIAL

AK : Alkathene
CI : Cast Iron
CSB : Concrete Segments (Bolted)
DI : Ductile Iron
PSC : Plastic/Steel Composite
RPM : Reinforced Plastic Matrix
PP : Polypropylene
MAF : Masonry, Random Courses

AC : Asbestos Cement
SI : Spun (Grey) Iron
CSU : Concrete Segments (Unbolted)
GRC : Glass Reinforced Concrete
PVC : Polyvinyl Chloride
ST : Steel
PF : Pitch Fibre
XXX : Other (State in remarks)

BR : Brick
CO : Concrete
CC : Concrete Box Culvert
GRP : Glass Reinforced Plastic
PE : Polyethylene
VC : Vittrified Clay
MAC : Masonry, Coursed

LINING

BL : Bitumen
CL : Cement

RL : Resin
PI : Plastic

IS : Insituform



Survey and Engineering Projects Ltd Manhole Survey Card

Card No	6	Map No	
Catchment		MH No	MH2
Location	HAWTHORN FALLOWFIELD		
Town	MANCHESTER		

★	PU	Status		Syphon	★	S	Function	★	MH	MH Type	29/05/2025	Date of Survey
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COVER DETAILS

☒ Square	☐ Rectangle	☐ Triangle	☐ Dbl Triangle	☐ Circular	☐ Oval	☐ Other	☐ Multiple	☐ Hinged	☐ Lockable
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Cover Level	42.98	m	H / M / L Cover Duty	★	H	Initials	DP
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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	2.74	MH2A	C	1500	X	BR			
	B					X				
	C					X				
	D					X				
	E					X				
	F					X				

Outgoing Pipes

X	2.75	OSA	C	1500	X		BR			
Y					X					

Cover Opening at narrowest	690X690	mm	Chamber Dimension	1600X1600	mm	Evidence of Surcharge	
Shaft at narrowest	700X700	mm	Shaft Depth (from CL)	570	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			
☐ 3	No. of Regulating Brick Courses						

CONDITION INFORMATION (specific in remark)

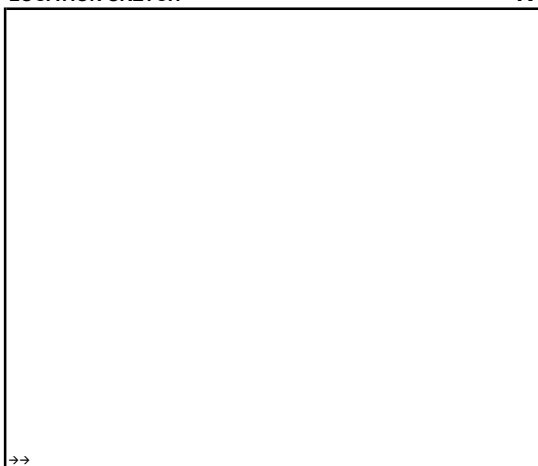
	Cover	Shaft	Irons / Ladders	Chamber	Benching	Channel		
OK	☒	☒	☒	☒	☒	☒		
Needs attention	☐	☐	☐	☐	☐	☐		
Urgent attention	☐	☐	☐	☐	☐	☐		
Depth of Flow		mm	Depth of Silt		mm	Height of Surcharge from CL		mm

REMARKS

★ See Overleaf for Key

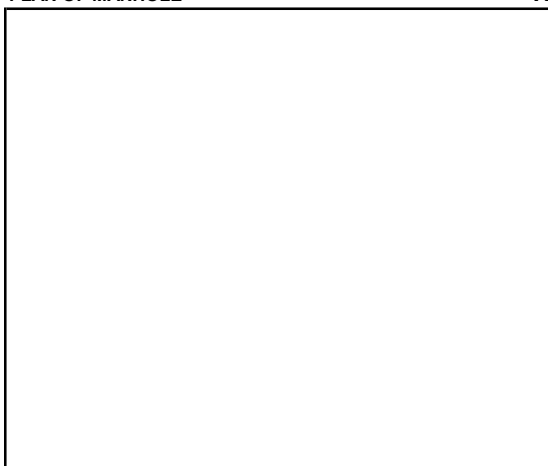
LOCATION SKETCH

N



PLAN OF MANHOLE

N

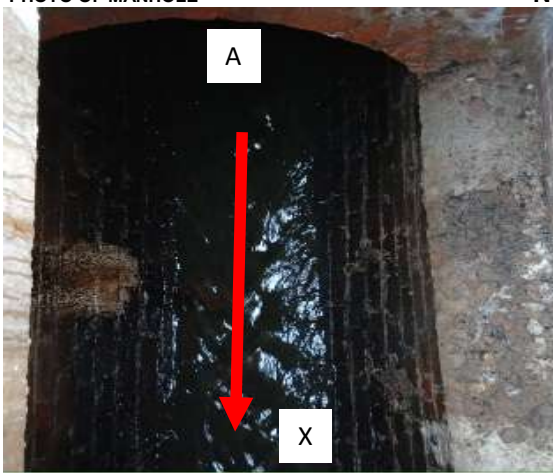


LOCATION PHOTO



PHOTO OF MANHOLE

N



STATUS

PU : Public
24 : Section 24

PR : Private
HD : Highway Drain

WC : Culverted Watercourse

} Applies to main outlet

FUNCTION

F : Foul

C : Combined

S : Surface Water

} Applies to main outlet

MANHOLE TYPE

IF : Infall
LH : Lamphole
GU : Gully

MH : Manhole
RE : Rodding Eye
OF : Outfall

CP : Catchpit
SO : Storm Overflow
SA : Soakaway

CSO :Consented Sewer Overflow
DS :Dual system Manhole
PS :Pumping Station

COVER DUTY

L : Light Duty

M : Medium Duty

H : Heavy Duty

SHAPE

C : Circular
S : Square
B : Barrel
X : Other (state in words)

E : Egg
T : Trapezoidal
H : Horseshoe (Inverted U)

R : Rectangular
A : Arched
U : U-shaped with flat top

PIPE (OR LINING)
MATERIAL

AK : Alkathene
CI : Cast Iron
CSB : Concrete Segments (Bolted)
DI : Ductile Iron
PSC : Plastic/Steel Composite
RPM : Reinforced Plastic Matrix
PP : Polypropylene
MAF : Masonry, Random Courses

AC : Asbestos Cement
SI : Spun (Grey) Iron
CSU : Concrete Segments (Unbolted)
GRC : Glass Reinforced Concrete
PVC : Polyvinyl Chloride
ST : Steel
PF : Pitch Fibre
XXX : Other (State in remarks)

BR : Brick
CO : Concrete
CC : Concrete Box Culvert
GRP : Glass Reinforced Plastic
PE : Polyethylene
VC : Vitrified Clay
MAC : Masonry, Coursed

LINING

BL : Bitumen
CL : Cement

RL : Resin
PI : Plastic

IS : Insituform



Survey and Engineering Projects Ltd Manhole Survey Card

Card No	9	Map No	
Catchment		MH No	MH2A
Location	HAWTHORN FALLOWFIELD		
Town	MANCHESTER		

★	PU	Status		Syphon	★	S	Function	★	MH	MH Type	30/07/2025	Date of Survey
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COVER DETAILS

☒ Square	☐ Rectangle	☐ Triangle	☐ Dbl Triangle	☐ Circular	☐ Oval	☐ Other	☐ Multiple	☐ Hinged	☐ Lockable
Cover Level	43.01	m	H / M / L Cover Duty	★	H	Initials	DP		

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	2.20	MH2B	C	950	X	PVC			
	B	2.20	MH2C	C	950	X	PVC			
	C					X				
	D					X				
	E					X				
	F					X				

Outgoing Pipes

X	2.21	MH2	C	1500	X		BR			
Y					X					

Cover Opening at narrowest	690X690	mm	Chamber Dimension	1800X2200	mm	Evidence of Surcharge	
Shaft at narrowest	660X660	mm	Shaft Depth (from CL)	680	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			
☐ 5	No. of Regulating Brick Courses						

CONDITION INFORMATION (specific in remark)

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

REMARKS

★ See Overleaf for Key

LOCATION SKETCH

N



PLAN OF MANHOLE

N

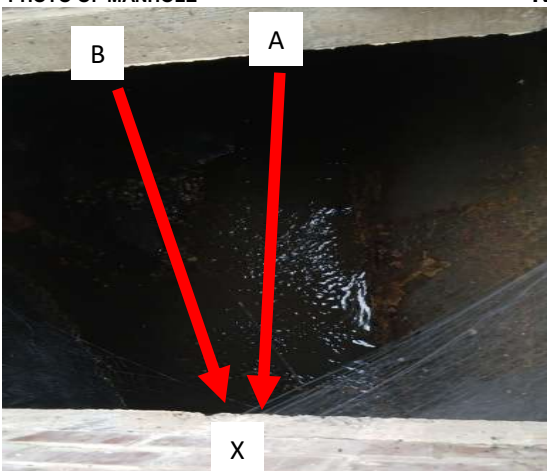


LOCATION PHOTO



PHOTO OF MANHOLE

N



STATUS

PU : Public
24 : Section 24

PR : Private
HD : Highway Drain

WC : Culverted Watercourse

} Applies to main outlet

FUNCTION

F : Foul

C : Combined

S : Surface Water

} Applies to main outlet

MANHOLE TYPE

IF : Infall
LH : Lamphole
GU : Gully

MH : Manhole
RE : Rodding Eye
OF : Outfall

CP : Catchpit
SO : Storm Overflow
SA : Soakaway

CSO :Consented Sewer Overflow
DS :Dual system Manhole
PS :Pumping Station

COVER DUTY

L : Light Duty

M : Medium Duty

H : Heavy Duty

SHAPE

C : Circular
S : Square
B : Barrel
X : Other (state in words)

E : Egg
T : Trapezoidal
H : Horseshoe (Inverted U)

R : Rectangular
A : Arched
U : U-shaped with flat top

PIPE (OR LINING)
MATERIAL

AK : Alkathene
CI : Cast Iron
CSB : Concrete Segments (Bolted)
DI : Ductile Iron
PSC : Plastic/Steel Composite
RPM : Reinforced Plastic Matrix
PP : Polypropylene
MAF : Masonry, Random Courses

AC : Asbestos Cement
SI : Spun (Grey) Iron
CSU : Concrete Segments (Unbolted)
GRC : Glass Reinforced Concrete
PVC : Polyvinyl Chloride
ST : Steel
PF : Pitch Fibre
XXX : Other (State in remarks)

BR : Brick
CO : Concrete
CC : Concrete Box Culvert
GRP : Glass Reinforced Plastic
PE : Polyethylene
VC : Vitrified Clay
MAC : Masonry, Coursed

LINING

BL : Bitumen
CL : Cement

RL : Resin
PI : Plastic

IS : Insituform



Survey and Engineering Projects Ltd Manhole Survey Card

Card No	7	Map No	
Catchment		MH No	MH2B
Location	HAWTHORN FALLOWFIELD		
Town	MANCHESTER		

★ PU Status	Syphon	★ S Function	★ MH MH Type	30/07/2025 Date of Survey
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COVER DETAILS

☒ Square	☐ Rectangle	☐ Triangle	☐ Dbl Triangle	☐ Circular	☐ Oval	☐ Other	☐ Multiple	☐ Hinged	☐ Lockable
Cover Level	42.98 m	H / M / L Cover Duty	<input checked="" type="text" value="H"/>	Initials	DP				

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	2.07	MH1	C	950	X	PVC			
	B					X				
	C					X				
	D					X				
	E					X				
	F					X				

Outgoing Pipes

X	2.08	MH2A	C	950	X		PVC			
Y					X					

Cover Opening at narrowest	460X460 mm	Chamber Dimension	600X700 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)

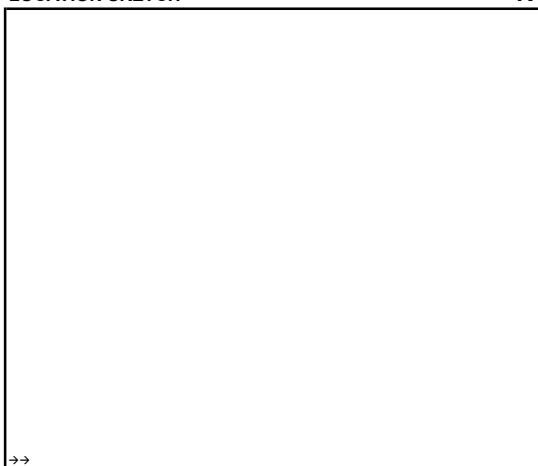
	Cover	Shaft	Irons / Ladders	Chamber	Benching	Channel
OK	☒	☒	☒	☒	☒	☒
Needs attention	☐	☐	☐	☐	☐	☐
Urgent attention	☐	☐	☐	☐	☐	☐
Depth of Flow	mm	Depth of Silt	mm	Height of Surcharge from CL	mm	

REMARKS

★ See Overleaf for Key

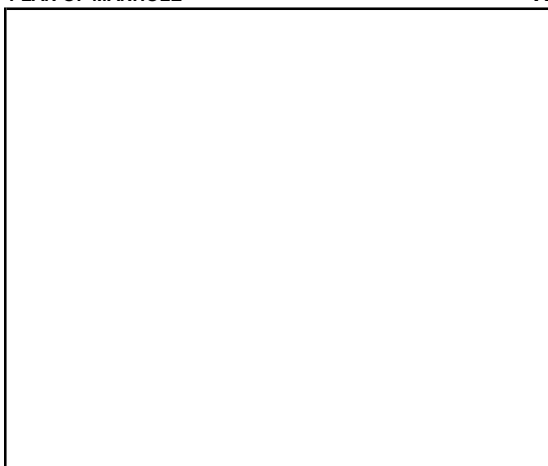
LOCATION SKETCH

N



PLAN OF MANHOLE

N



LOCATION PHOTO

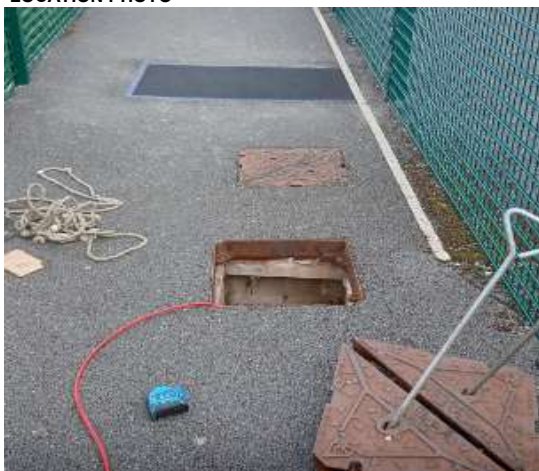
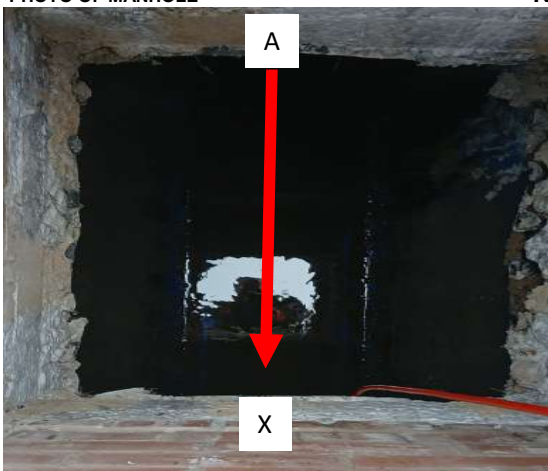


PHOTO OF MANHOLE

N



STATUS

PU : Public
24 : Section 24

PR : Private
HD : Highway Drain

WC : Culverted Watercourse

} Applies to main outlet

FUNCTION

F : Foul

C : Combined

S : Surface Water

} Applies to main outlet

MANHOLE TYPE

IF : Infall
LH : Lamphole
GU : Gully

MH : Manhole
RE : Rodding Eye
OF : Outfall

CP : Catchpit
SO : Storm Overflow
SA : Soakaway

CSO :Consented Sewer Overflow
DS :Dual system Manhole
PS :Pumping Station

COVER DUTY

L : Light Duty

M : Medium Duty

H : Heavy Duty

SHAPE

C : Circular
S : Square
B : Barrel
X : Other (state in words)

E : Egg
T : Trapezoidal
H : Horseshoe (Inverted U)

R : Rectangular
A : Arched
U : U-shaped with flat top

PIPE (OR LINING)
MATERIAL

AK : Alkathene
CI : Cast Iron
CSB : Concrete Segments (Bolted)
DI : Ductile Iron
PSC : Plastic/Steel Composite
RPM : Reinforced Plastic Matrix
PP : Polypropylene
MAF : Masonry, Random Courses

AC : Asbestos Cement
SI : Spun (Grey) Iron
CSU : Concrete Segments (Unbolted)
GRC : Glass Reinforced Concrete
PVC : Polyvinyl Chloride
ST : Steel
PF : Pitch Fibre
XXX : Other (State in remarks)

BR : Brick
CO : Concrete
CC : Concrete Box Culvert
GRP : Glass Reinforced Plastic
PE : Polyethylene
VC : Vitrified Clay
MAC : Masonry, Coursed

LINING

BL : Bitumen
CL : Cement

RL : Resin
PI : Plastic

IS : Insituform



Survey and Engineering Projects Ltd Manhole Survey Card

Card No	8	Map No	
Catchment		MH No	MH2C
Location	HAWTHORN FALLOWFIELD		
Town	MANCHESTER		

★	PU	Status		Syphon	★	S	Function	★	MH	MH Type	30/07/2025	Date of Survey
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COVER DETAILS

☒ Square	☐ Rectangle	☐ Triangle	☐ Dbl Triangle	☐ Circular	☐ Oval	☐ Other	☐ Multiple	☐ Hinged	☐ Lockable
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Cover Level	42.99	m	H / M / L Cover Duty	★	H	Initials	DP
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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	2.07	MH1	C	950	X	PVC			
	B					X				
	C					X				
	D					X				
	E					X				
	F					X				

Outgoing Pipes

X	2.08	MH2A	C	950	X		PVC			
Y					X					

Cover Opening at narrowest	460X460	mm	Chamber Dimension	600X700	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		mm

REMARKS

★ See Overleaf for Key

LOCATION SKETCH

N



PLAN OF MANHOLE

N

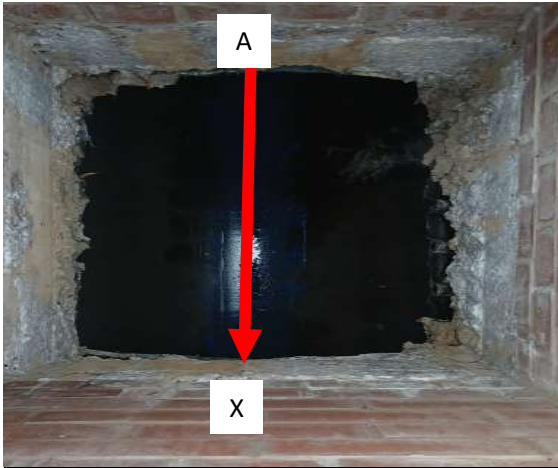


LOCATION PHOTO



PHOTO OF MANHOLE

N



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		



Survey and Engineering Projects Ltd Manhole Survey Card

Card No	1	Map No	
Catchment		MH No	UU2901
Location	HAWTHORN FALLOWFIELD		
Town	MANCHESTER		

★ PU	Status		Syphon	★ C	Function	★ MH	MH Type	29/05/2025	Date of Survey
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COVER DETAILS

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

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			C	Height	Width	PVC			
	B				X					
	C				X					
	D				X					
	E				X					
	F				X					

Outgoing Pipes

X			C		X		PVC			
Y					X					

Cover Opening at narrowest	600X600	mm	Chamber Dimension		mm	Evidence of Surcharge	
Shaft at narrowest	600X600	mm	Shaft Depth (from CL)	1500	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	7	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

DEPTH TO LANDING STAGE 2.91

★ See Overleaf for Key

LOCATION SKETCH

N



PLAN OF MANHOLE

N



LOCATION PHOTO



PHOTO OF MANHOLE

N



STATUS

PU : Public
24 : Section 24

PR : Private
HD : Highway Drain

WC : Culverted Watercourse

} Applies to main outlet

FUNCTION

F : Foul

C : Combined

S : Surface Water

} Applies to main outlet

MANHOLE TYPE

IF : Infall
LH : Lamphole
GU : Gully

MH : Manhole
RE : Rodding Eye
OF : Outfall

CP : Catchpit
SO : Storm Overflow
SA : Soakaway

CSO : Consented Sewer Overflow
DS : Dual system Manhole
PS : Pumping Station

COVER DUTY

L : Light Duty

M : Medium Duty

H : Heavy Duty

SHAPE

C : Circular
S : Square
B : Barrel
X : Other (state in words)

E : Egg
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R : Rectangular
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PIPE (OR LINING)
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MAC : Masonry, Coursed

LINING

BL : Bitumen
CL : Cement

RL : Resin
PI : Plastic

IS : Insituform



Survey and Engineering Projects Ltd Manhole Survey Card

Card No	2	Map No	
Catchment		MH No	UU3901
Location	HAWTHORN FALLOWFIELD		
Town	MANCHESTER		

★ PU Status	Syphon	★ C Function	★ MH MH Type	29/05/2025 Date of Survey
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COVER DETAILS

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

Cover Level m H / M / L Cover Duty 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			C		X	PVC			
	B					X				
	C					X				
	D					X				
	E					X				
	F					X				

Outgoing Pipes

X			C		X		PVC			
Y					X					

Cover Opening at narrowest 600X600 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)

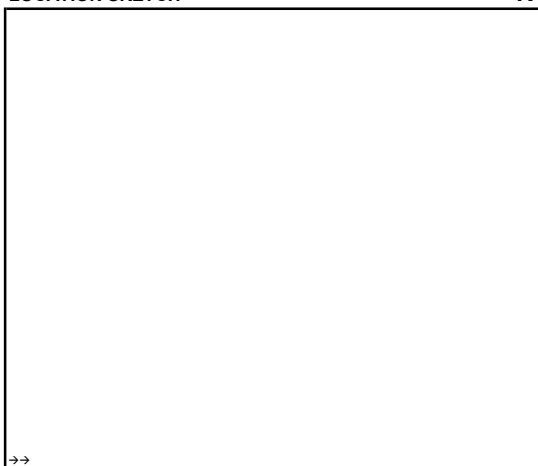
	Cover	Shaft	Irons / Ladders	Chamber	Benching	Channel
OK	☒	☒	☒	☒	☒	☒
Needs attention	☐	☐	☐	☐	☐	☐
Urgent attention	☐	☐	☐	☐	☐	☐
Depth of Flow mm	Depth of Silt mm	Height of Surcharge from CL mm				

REMARKS

★ See Overleaf for Key

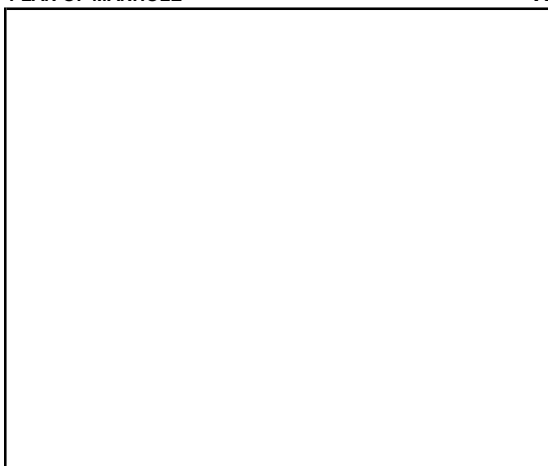
LOCATION SKETCH

N



PLAN OF MANHOLE

N

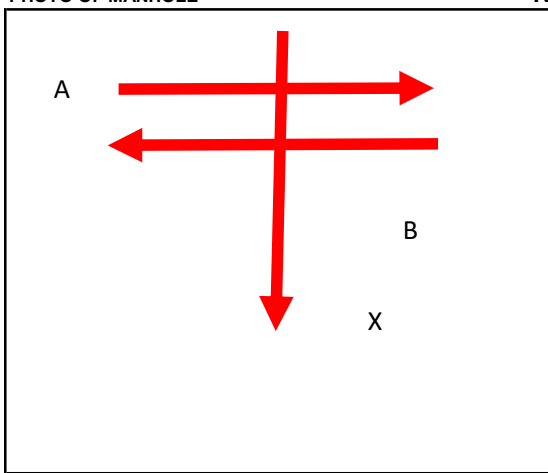


LOCATION PHOTO



PHOTO OF MANHOLE

N



STATUS

PU : Public
24 : Section 24

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FUNCTION

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XXX : Other (State in remarks)

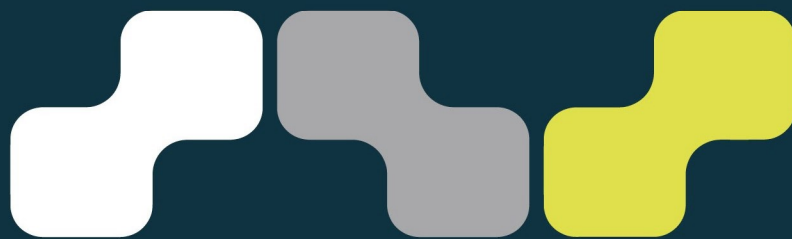
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LINING

BL : Bitumen
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