

CCTV Drainage Survey

DYSE
16 Saxton Street
Manchester, M40 7BY

CCTV DRAINAGE SURVEY REPORT





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16 SAXON STREET

Project Number

Project Date
10/03/2022

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Project Information

Project Name
16 SAXON STREET

Project Number

Project Date
10/03/2022

Client

Company: DYSE
Contact: Jonny Yusuf
Department: Director
Street: First Floor, 79 Thomas Street
Town or City: Manchester
Post Code: M4 1LQ
Phone: 0161 278 9072
Mobile: 07547 737409
Email: jonny.yusuf@dyse.com

Site

Street: 16 Saxton Street
Town or City: Manchester
Post Code: M40 7BY

Contractor

Company: Sewer Surveys UK Ltd
Contact: Andrew Froggatt/ Simon Bennett
Department: Directors
Street: 14B Orgreave Close
Town or City: Sheffield
Post Code: S13 9NP
Phone: 0114 251 3481
Mobile: 07837 768649/07808 220160
Email: info@sewesurveysuk.co.uk



Section Inspection - 10/03/2022 - SVPX

Section 1	Inspection 1	Date 10/03/22	Time 8:27	Client's Job Ref DYSE	Weather No Rain Or Snow	Pre Cleaned No	PLR SVPX
Operator KB		Vehicle YR15THK		Camera Prod	Preset Length Not Specified	Criticality Grade Category C	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	SVP
Road:	Saxon Street	Inspected Length:	0.21 m	Upstream Pipe Depth:	
Location:	Gardens (private)	Total Length:	0.21 m	Downstream Node:	MH 1
Surface Type:		Joint Length:	1.20 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Material:	Polyvinyl chloride		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
		0.00	MH	Start node, manhole, reference: MH 1	00:00:00		
		0.01	WL	Water level, 0% of the vertical dimension			
		0.21	DES	Settled deposits, fine, 90% cross-sectional area loss	00:00:09	SVPX_73c d5e7d-e91 c-466c-8c	5
		0.21	SA	Survey abandoned: SILT	00:00:25	SVPX_a63 978a8-679 8-406f-843	

Construction Features

Structural Defects

Miscellaneous Features

Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	10.0	47.6	10.0	5.0



Section Pictures - 10/03/2022 - SVPX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Upstream	SVPX	DYSE	22/093



SVPX_73cd5e7d-e91c-466c-8cec-f43b425fbd61_20220310_133339_550.jpg, 00:00:09, 0.21 m
Settled deposits, fine, 90% cross-sectional area loss



SVPX_a63978a8-6798-406f-8430-6c08ee147bde_20220310_133352_109.jpg, 00:00:25, 0.21 m
Survey abandoned, SILT



Section Inspection - 10/03/2022 - MH 1X

Section 2	Inspection 1	Date 10/03/22	Time 8:29	Client's Job Ref DYSE	Weather No Rain Or Snow	Pre Cleaned No	PLR MH 1X
Operator KB		Vehicle YR15THK		Camera Prod	Preset Length Not Specified	Criticality Grade Category C	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	MH 1
Road:	Saxon Street	Inspected Length:	0.10 m	Upstream Pipe Depth:	
Location:	Gardens (private)	Total Length:	0.10 m	Downstream Node:	MH 3
Surface Type:		Joint Length:	1.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Material:	Polyvinyl chloride		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH 1							
		0.00	MH	Start node, manhole, reference: MH 1	00:00:00		
		0.01	WL	Water level, 5% of the vertical dimension			
		0.10	DES	Settled deposits, fine, 90% cross-sectional area loss	00:00:12	MH 1X_3ee70 542-c734-	5
		0.10	SA	Survey abandoned: SILT	00:00:33	MH 1X_4712a 17a-8e59-	

Construction Features

Structural Defects

Miscellaneous Features

Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	10.0	100.0	10.0	5.0



Section Pictures - 10/03/2022 - MH 1X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Downstream	MH 1X	DYSE	22/093



MH
1X_3ee70542-c734-47b2-9bb8-980078789a33_20220310_13
3435_646.jpg, 00:00:12, 0.10 m
Settled deposits, fine, 90% cross-sectional area loss



MH
1X_4712a17a-8e59-4a9c-b6b3-05c8fee8da1a_20220310_133
434_199.jpg, 00:00:33, 0.10 m
Survey abandoned, SILT



Section Inspection - 10/03/2022 - MH 2X

Section 3	Inspection 1	Date 10/03/22	Time 8:35	Client's Job Ref DYSE	Weather No Rain Or Snow	Pre Cleaned No	PLR MH 2X
Operator KB		Vehicle YR15THK		Camera Prod	Preset Length Not Specified	Criticality Grade Category C	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	MH 2
Road:	Saxon Street	Inspected Length:	2.63 m	Upstream Pipe Depth:	
Location:	Gardens (private)	Total Length:	2.63 m	Downstream Node:	MH 3
Surface Type:		Joint Length:	1.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Material:	Polyvinyl chloride		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:	
Recommendations:	

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH 2 0.00 0.01 0.43 0.76 2.36 2.63 MH 3 Depth: m							
		0.00	MH	Start node, manhole, reference: MH 2	00:00:00		
		0.01	WL	Water level, 5% of the vertical dimension			
		0.43	LL	Line deviates left	00:00:09		
		0.76	LR	Line deviates right	00:00:14		
		2.36	LR	Line deviates right	00:00:30		
		2.63	MHF	Finish node, manhole, reference: MH 3	00:00:35		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0



Section Inspection - 10/03/2022 - XXX 2X

Section 4	Inspection 1	Date 10/03/22	Time 8:36	Client's Job Ref DYSE	Weather No Rain Or Snow	Pre Cleaned No	PLR XXX 2X
Operator KB		Vehicle YR15THK		Camera Prod	Preset Length Not Specified	Criticality Grade Category C	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Unknown	Upstream Node:	XXX 2
Road:	Saxon Street	Inspected Length:	0.21 m	Upstream Pipe Depth:	
Location:	Gardens (private)	Total Length:	0.21 m	Downstream Node:	MH 2
Surface Type:		Joint Length:	1.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Material:	Polyvinyl chloride		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
		0.00	MH	Start node, manhole, reference: XXX 2	00:00:00		
		0.01	WL	Water level, 5% of the vertical dimension			
		0.21	DES	Settled deposits, fine, 50% cross-sectional area loss	00:00:20	XXX 2X_08009 e18-a5d1-	4
		0.21	SA	Survey abandoned: SILT	00:00:21	XXX 2X_8634e 02e-7a7d-	

Construction Features
Structural Defects
Miscellaneous Features
Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	8.0	38.1	8.0	5.0



Section Pictures - 10/03/2022 - XXX 2X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Unknown	XXX 2X	DYSE	22/093



XXX

2X_08009e18-a5d1-4181-8a17-18f03dcb274b_20220310_133
635_020.jpg, 00:00:20, 0.21 m

Settled deposits, fine, 50% cross-sectional area loss



XXX

2X_8634e02e-7a7d-4de0-9004-1fcd307fc25b_20220310_133
645_901.jpg, 00:00:21, 0.21 m

Survey abandoned, SILT



Section Inspection - 10/03/2022 - GY 1X

Section 5	Inspection 1	Date 10/03/22	Time 8:46	Client's Job Ref DYSE	Weather No Rain Or Snow	Pre Cleaned No	PLR GY 1X
Operator KB		Vehicle YR15THK		Camera Prod	Preset Length Not Specified	Criticality Grade Category C	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	GY 1
Road:	Saxon Street	Inspected Length:	9.99 m	Upstream Pipe Depth:	
Location:	Gardens (private)	Total Length:	9.99 m	Downstream Node:	XXX 3
Surface Type:		Joint Length:	1.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Material:	Polyvinyl chloride		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:87	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m GY 1							
		0.00	MH	Start node, manhole, reference: GY 1	00:00:00		
		0.01	WL	Water level, 5% of the vertical dimension			
		0.87	LL	Line deviates left	00:00:14		
		6.26	LL	Line deviates left	00:01:16		
		6.26	JN	Junction at 10 o'clock, 100mm dia	00:01:16		
		8.57	JN	Junction at 10 o'clock, 100mm dia	00:01:37		
		8.57	WL	Water level, 30% of the vertical dimension	00:01:37		
		8.90	WL	Water level, 60% of the vertical dimension	00:01:56		
		8.90	DES	Settled deposits, fine, 30% cross-sectional area loss	00:01:56	GY 1X_fdf2b5 5f-3293-4e	4
		9.99	DES	Settled deposits, fine, 60% cross-sectional area loss	00:02:13	GY 1X_aba19 218-f5b0-4	4
		9.99	SA	Survey abandoned: SILT	00:02:13	GY 1X_a4aa9f 9f-766e-41	

Construction Features
Structural Defects
Miscellaneous Features
Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	2	8.0	1.5	13.0	4.0



Section Pictures - 10/03/2022 - GY 1X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
5	Downstream	GY 1X	DYSE	22/093



GY

1X_fdf2b55f-3293-4edb-9484-79c8ac12be8f_20220310_1339
17_949.jpg, 00:01:56, 8.90 m

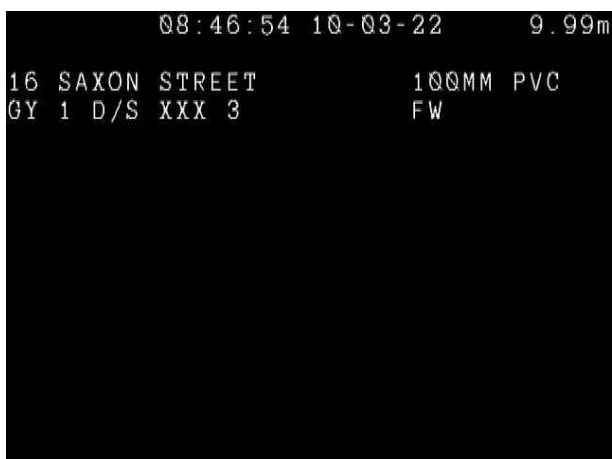
Settled deposits, fine, 30% cross-sectional area loss



GY

1X_aba19218-f5b0-49f1-a7c4-252156a62936_20220310_133
935_344.jpg, 00:02:13, 9.99 m

Settled deposits, fine, 60% cross-sectional area loss



GY

1X_a4aa9f9f-766e-4199-9ff9-a442b7c1a309_20220310_1339
34_254.jpg, 00:02:13, 9.99 m

Survey abandoned, SILT



Section Profile

Project Name
16 SAXON STREET

Project Number

Project Date
10/03/2022

Circular, 100 mm

Section	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
1	SVP	MH 1	10/03/2022	SAXON STREET	Polyvinyl chloride	0.21 m	0.21 m
2	MH 1	MH 3	10/03/2022	SAXON STREET	Polyvinyl chloride	0.10 m	0.10 m
3	MH 2	MH 3	10/03/2022	SAXON STREET	Polyvinyl chloride	2.63 m	2.63 m
4	XXX 2	MH 2	10/03/2022	SAXON STREET	Polyvinyl chloride	0.21 m	0.21 m
5	GY 1	XXX 3	10/03/2022	SAXON STREET	Polyvinyl chloride	9.99 m	9.99 m

Total: 5 Inspections x Circular 100 mm = 13.14 m Total Length and 13.14 m Inspected Length

Total: 5 Inspections = 13.14 m Total Length and 13.14 m Inspected Length



Scoring Summary

Project Name
16 SAXON STREET

Project Number

Project Date
10/03/2022

Structural Defects

Section	PLR	Grade	Description
All inspected pipes are in an acceptable structural condition (< grade 3).			

Service / Operational Condition

Grade 3: Best practice suggests consideration should be given to maintenance activities in the medium term.

Grade 4: Best practice suggests consideration should be given to maintenance activity to avoid potential blockages.

Grade 5: Best practice suggests that this pipe is at a high risk of backing up or causing flooding.

Section	PLR	Grade	Description
1	SVPX	5	Settled deposits, fine, 90% cross-sectional area loss
2	MH 1X	5	Settled deposits, fine, 90% cross-sectional area loss
4	XXX 2X	4	Settled deposits, fine, 50% cross-sectional area loss
5	GY 1X	4	Multiple defects

Abandoned Surveys

Section	PLR	Description
1	SVPX	Survey abandoned
2	MH 1X	Survey abandoned
4	XXX 2X	Survey abandoned
5	GY 1X	Survey abandoned

Information

These scoring summaries are based on the SRM grading from the WRC.

Job Number:

Survey By: KB

Grid Ref:

Node Number: MH1

Cover Level:

Location: 16 Saxton Street

Year Laid: Z

Status: PR

Function: FW

Node Type: MH

Survey Date: 10/03/22

Manufacturer:

Grating:

COVER

Shape: C

Hinged: /

Lockable: /

Duty: H

Size: 490/490

Toxic atmos: /

SHAFT

Side Entry: /

Regulating Courses: /

Depth: /

Size: /

Vermin: /

CHAMBER

Soffit Type: /

No. of Step Irons: /

No. of Ladders: /

No. of Landings: /

Size: 470/470

Const'n Code: PVC

Depth of Flow: /

Depth of Silt: 5

H of S: /

	Pipe	U/S D/S node Reference	Shape	Pipe Size	Backdrop Diameter	Pipe Material	Lining Material	Depth from Cover (M)	Invert Level (M)
INCOMING PIPES	A	SVP1	C	100		PVC		0.62	
	B								
	C								
	D								
	E								
	F								
OUTGOING PIPES	X	MH3	C	100		PVC		0.67	
	Y								

CONDITION INFORMATION Enter Y if attention required. Use Remarks to clarify

Cover	Irons/Ladders	Shaft	Chamber	Benching	Other
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Remarks:



Job Number: Survey By: KB

Grid Ref: Node Number: MH2 Cover Level:

Location: 16 Saxton Street

Year Laid: Z Status: PR Function: FW Node Type: MH Survey Date: 10/03/22

Manufacturer: Grating:

COVER Shape: C Hinged:/ Lockable:/ Duty: H Size:350/350 Toxic atmos: /

SHAFT Side Entry:/ Regulating Courses:/ Depth:/ Size:/ Vermin:/

CHAMBER Soffit Type:/ No. of Step Irons:/ No. of Ladders:/ No. of Landings:/

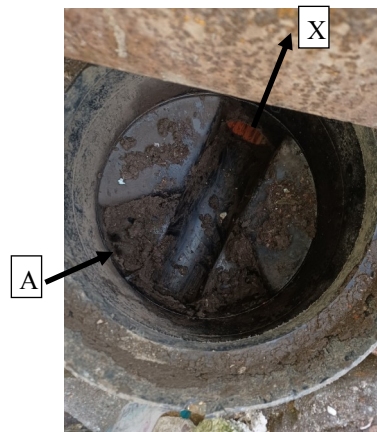
Size: 300/300 Const'n Code: PVC Depth of Flow:/ Depth of Silt:10 H of S:/

	Pipe	U/S D/S node Reference	Shape	Pipe Size	Backdrop Diameter	Pipe Material	Lining Material	Depth from Cover (M)	Invert Level (M)
INCOMING PIPES	A	XXX2	C	100		PVC		0.39	
	B								
	C								
	D								
	E								
	F								
OUTGOING PIPES	X	MH3	C	100		PVC		0.40	
	Y								

CONDITION INFORMATION Enter Y if attention required. Use Remarks to clarify

Cover Irons/Ladders Shaft Chamber Benching Other

Remarks:



Job Number:	Survey By: KB
-------------	---------------

Grid Ref:	Node Number: MH3	Cover Level:
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Location: 16 Saxton Street

Year Laid:	Status:	Function:	Node Type:	Survey Date: 10/03/22
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Manufacturer:	Grating:
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COVER	Shape:	Hinged: /	Lockable: /	Duty:	Size:	Toxic atmos: /
-------	--------	-----------	-------------	-------	-------	----------------

SHAFT	Side Entry: /	Regulating Courses: /	Depth: /	Size: /	Vermin: /
-------	---------------	-----------------------	----------	---------	-----------

CHAMBER	Soffit Type: /	No. of Step Irons: /	No. of Ladders: /	No. of Landings: /
---------	----------------	----------------------	-------------------	--------------------

Size:	Const'n Code:	Depth of Flow: /	Depth of Silt:	H of S: /
-------	---------------	------------------	----------------	-----------

	Pipe	U/S D/S node Reference	Shape	Pipe Size	Backdrop Diameter	Pipe Material	Lining Material	Depth from Cover (M)	Invert Level (M)
INCOMING PIPES	A								
	B								
	C								
	D								
	E								
	F								
OUTGOING PIPES	X								
	Y								

CONDITION INFORMATION Enter Y if attention required. Use Remarks to clarify

Cover	Irons/Ladders	Shaft	Chamber	Benching	Other
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Remarks: Buried under heavy debris



16 Saxton Street
22/093

Photo 1, GY 1 LOCATION

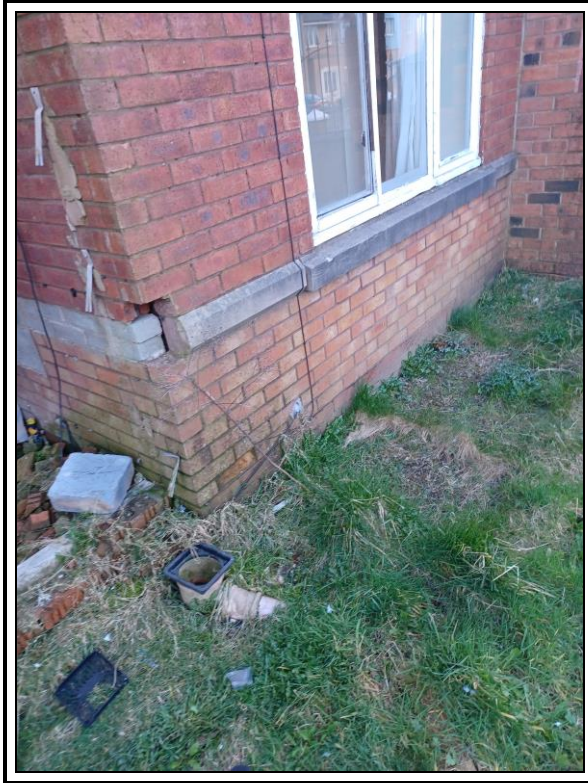


Photo 2, GY1



16 Saxton Street
22/093

Photo 3, MH 1 SILTED AND AMOUNT REMOVED



Photo 4, MH 1 SILTED AND AMOUNT REMOVED



16 Saxton Street
22/093

Photo 5, DEBRIS LEVELS ON SITE

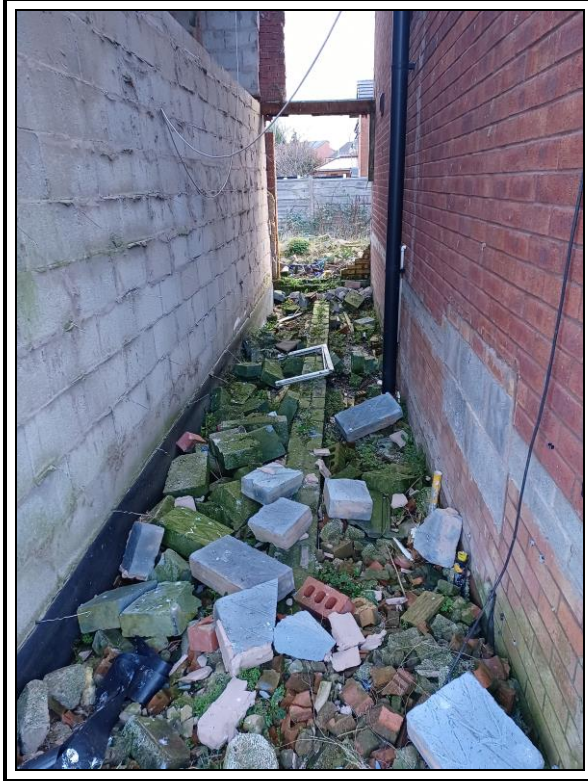


Photo 6, DEBRIS LEVELS ON SITE



16 Saxton Street
22/093

Photo 7, DEBRIS LEVELS ON SITE AND COUNCIL DANGER WARNING TAPE



Photo 8, DEBRIS LEVELS ON SITE



16 Saxton Street
22/093

Photo 9, DEBRIS LEVELS ON SITE



Photo 10, DEBRIS LEVELS ON SITE



16 Saxton Street
22/093

Photo 11, DEBRIS LEVELS ON SITE



Photo 12, MH2 Silt before removal



