



CCTV SURVEY INSPECTION REPORT

Client:	Kellen Homes Limited
Location:	Bennett St, Manchester
Date:	18.07.2022



Industrial Water Jetting Systems Ltd

Dickens House, Old Stowmarket Road, Woolpit, Bury St. Edmunds IP22 9QS

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Project

Project Name: KELLEN_HOMES_BENNETT_STREET_MANCHESTER_14_07_2022
Project Date: 14/07/2022
Inspection Standard: MSCC5 Sewers & Drainage GB (SRM5 Scoring)

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Project Information

Project Name	Project Number	Project Date
KELLEN_HOMES_BENNETT_STREET_MANCHESTER_14_07_2022		14/07/2022

Site

Company: Kellen Homes Limited
Street: Bennett Street
Town or City: Manchester
County: Greater Manchester
Post Code: M12 5NL

Contractor

Company: IWJS
Contact: Jake Boydell
Department: Business Development Manager North
Street: Unit 10 Huntsman Drive
Town or City: North Bank Industrial Estate, Irlam
County: Greater Manchester
Post Code: M44 5EG
Phone: 0161 776 0499
Mobile: 07799803317
Email: jake.boydell@iwjs.co.uk

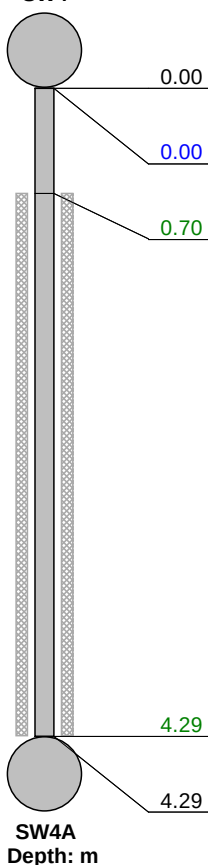
Section Inspection - 14/07/2022 - SW4X



Item No. 2	Insp. No. 1	Date 14/07/22	Time 10:00	Client's Job Ref 198401	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SW4X
Operator A.EAGLESOME		Vehicle FG64 FLM		Camera Crawler	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	SW4
Road:	Bennett Street	Inspected Length:	4.29 m	Upstream Pipe Depth:	
Location:	Other location	Total Length:	4.29 m	Downstream Node:	SW4A
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Rectangular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	1,200 mm		
Flow Control:	No flow control	Material:	Brick		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
							
		0.00	MH	Start node, manhole, reference: SW4	00:00:04		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:05	SW4X_06 99012d-c2 af-438c-9a	
		0.70	S01 DEE	Attached deposits, encrustation from 9 o'clock to 3 o'clock, 5% cross-sectional area loss, start	00:00:14	SW4X_19 342451-eb a2-4aeb-9	
		4.29	F01 DEE	Attached deposits, encrustation from 9 o'clock to 3 o'clock, 5% cross-sectional area loss, finish	00:00:43		3
		4.29	MHF	Finish node, manhole, reference: SW4A	00:00:44	SW4X_f82 995f1-0c3 0-4031-b2	

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	1	2.0	1.9	8.0	3.0

Section Pictures - 14/07/2022 - SW4X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Downstream	SW4X	198401	198401



SW4X_0699012d-c2af-438c-9a92-8f499360e6f1_20220714_1
00105_086.jpg, 00:00:05, 0.00 m
Water level, 5% of the vertical dimension



SW4X_19342451-eba2-4aeb-90f1-b38667470ab7_20220714
_100113_847.jpg, 00:00:14, 0.70 m
Attached deposits, encrustation from 9 o'clock to 3 o'clock, 5%
cross-sectional area loss, start



SW4X_f82995f1-0c30-4031-b276-b723afe879cc_20220714_1
00152_117.jpg, 00:00:44, 4.29 m
Finish node, manhole, reference: SW4A

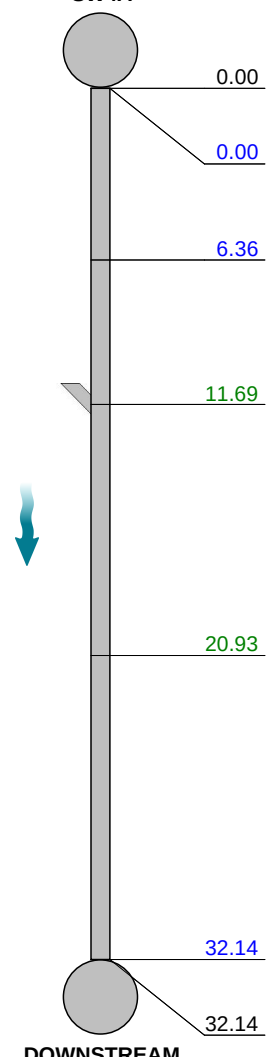
Section Inspection - 14/07/2022 - SW4AX



Item No. 3	Insp. No. 1	Date 14/07/22	Time 10:03	Client's Job Ref 198401	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SW4AX
Operator A.EAGLESOME		Vehicle FG64 FLM		Camera Crawler	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	SW4A
Road:	Bennett Street	Inspected Length:	32.14 m	Upstream Pipe Depth:	
Location:	Other location	Total Length:	32.14 m	Downstream Node:	DOWNSTREAM
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Rectangular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	1,200 mm		
Flow Control:	No flow control	Material:	Brick		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:279	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m SW4A 						
	0.00	MH	Start node, manhole, reference: SW4A	00:00:14		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:14	SW4AX_d 7a7f437-fa 09-4c72-9	
	6.36	REM	General remark: BURIED & UNCHARTED MH	00:01:11	SW4AX_5 3ac047a-f b86-4483-	
	11.69	CXI	Connection defective, connecting pipe is intruding at 1 o'clock, 150mm dia, intrusion: 5%	00:02:15	SW4AX_5 ae7b2b5-6 6d7-4b22-	3
	20.93	LR	Line deviates right	00:03:21	SW4AX_c 84c1016-4 37e-471c-	
	32.14	REM	General remark: JOINTS UP WITH THE D/S FROM MH SW1	00:05:47	SW4AX_1 3e2b733-7 b1f-4afc-9	
	32.14	OCF	Finish node, other special chamber, reference: DOWNSTREAM: MEETS UP WITH THE D/S FROM MH SW01	00:06:31	SW4AX_0 de353f5-b 381-4786-	
DOWNSTREAM Depth: m						

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	1	2.0	0.1	2.0	3.0

Section Pictures - 14/07/2022 - SW4AX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
3	Downstream	SW4AX	198401	198401



SW4AX_d7a7f437-fa09-4c72-9474-685f673f149a_20220714_100311_226.jpg, 00:00:14, 0.00 m
Water level, 5% of the vertical dimension



SW4AX_53ac047a-fb86-4483-b433-5af403bff074_20220714_100413_580.jpg, 00:01:11, 6.36 m
General remark, BURRIED & UNCHARTED MH



SW4AX_5ae7b2b5-66d7-4b22-b059-5b9f368d99a0_20220714_100536_352.jpg, 00:02:15, 11.69 m
Connection defective, connecting pipe is intruding at 1 o'clock, 150mm dia, intrusion: 5%



SW4AX_c84c1016-437e-471c-9877-f595c03dc179_20220714_100647_964.jpg, 00:03:21, 20.93 m
Line deviates right

Section Pictures - 14/07/2022 - SW4AX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
3	Downstream	SW4AX	198401	198401



SW4AX_13e2b733-7b1f-4afc-997a-a5fdcf8bd8a1_20220714_100929_571.jpg, 00:05:47, 32.14 m
General remark, JOINTS UP WITH THE D/S FROM MH SW1



SW4AX_0de353f5-b381-4786-9876-cd161d4f69a8_20220714_101113_509.jpg, 00:06:31, 32.14 m
Finish node, other special chamber, reference:
DOWNSTREAM, MEETS UP WITH THE D/S FROM MH SW01

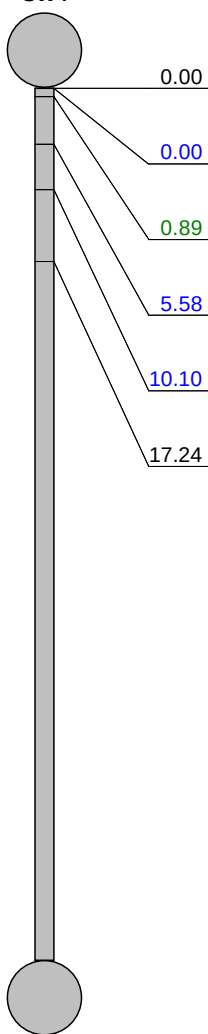
Section Inspection - 15/07/2022 - SW2X



Item No. 6	Insp. No. 2	Date 15/07/22	Time 10:00	Client's Job Ref 198401	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SW2X
Operator A.EAGLESOME		Vehicle FG64 FLM		Camera Crawler	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	SW2
Road:	Bennett Street	Inspected Length:	17.24 m	Upstream Pipe Depth:	
Location:	Other location	Total Length:	86.74 m	Downstream Node:	SW4
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Rectangular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	1,200 mm		
Flow Control:	No flow control	Material:	Brick		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:752	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	OC	Start node, other special chamber, reference: SW4: WHERE CRALWER GOT STUCK	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:07		
	0.89	DES	Settled deposits, fine, 10% cross-sectional area loss	00:00:10	SW2X_b4 adb64d-9b 77-4045-8	3
	5.58	GP	General photograph taken at this point	00:00:53	SW2X_a8 8a306d-51 f2-4a36-a1	
	10.10	GP	General photograph taken at this point	00:03:30	SW2X_75 8cbab1-39 29-4c78-9	
	17.24	MHF	Finish node, manhole, reference: SW2	00:05:23	SW2X_03 b77516-94 5e-4afe-8f	

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	1	2.0	0.0	2.0	3.0

Section Pictures - 15/07/2022 - SW2X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
6	Upstream	SW2X	198401	198401



SW2X_b4adb64d-9b77-4045-81e2-e264cd73f99f_20220715_100039_278.jpg, 00:00:10, 0.89 m
Settled deposits, fine, 10% cross-sectional area loss



SW2X_a88a306d-51f2-4a36-a121-17afa1dd8b30_20220715_100125_460.jpg, 00:00:53, 5.58 m
General photograph taken at this point



SW2X_758cbab1-3929-4c78-9e62-1d542afddf8b_20220715_100531_529.jpg, 00:03:30, 10.10 m
General photograph taken at this point



SW2X_03b77516-945e-4afe-8fc8-261587b59a41_20220715_100736_650.jpg, 00:05:23, 17.24 m
Finish node, manhole, reference: SW2

Section Inspection - 15/07/2022 - SW5X



Item No. 7	Insp. No. 1	Date 15/07/22	Time 10:09	Client's Job Ref 198401	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SW5X
Operator A.EAGLESOME		Vehicle FG64 FLM		Camera Crawler	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	SW5
Road:	Bennett Street	Inspected Length:	20.32 m	Upstream Pipe Depth:	
Location:	Other location	Total Length:	20.32 m	Downstream Node:	SW2
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Rectangular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	1,200 mm		
Flow Control:	No flow control	Material:	Concrete		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:176	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m SW2 0.00 0.00 5.09 10.01 14.81 20.32 SW5 Depth: m						
	0.00	MH	Start node, manhole, reference: SW2	00:00:05		
	0.00	WL	Water level, 10% of the vertical dimension	00:00:05	SW5X_9b 1566c9-dd 26-4eca-9	
	5.09	GP	General photograph taken at this point	00:00:58	SW5X_86 70937f-c4 e4-4a56-a	
	10.01	GP	General photograph taken at this point	00:02:54	SW5X_ffb 76b95-5dc d-4cbd-b1	
	14.81	GP	General photograph taken at this point	00:04:03	SW5X_ac 348325-cd 20-46ec-8	
	20.32	MHF	Finish node, manhole, reference: SW5	00:07:33		

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 Pictures - 15/07/2022 - SW5X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
7	Upstream	SW5X	198401	198401



SW5X_9b1566c9-dd26-4eca-9d5e-56e5bd2f8793_20220715_100950_742.jpg, 00:00:05, 0.00 m
Water level, 10% of the vertical dimension



SW5X_8670937f-c4e4-4a56-a834-31debdd7b5d8_20220715_101046_001.jpg, 00:00:58, 5.09 m
General photograph taken at this point



SW5X_ffb76b95-5dcd-4cbd-b125-3bdd3bf5803a_20220715_101240_867.jpg, 00:02:54, 10.01 m
General photograph taken at this point



SW5X_ac348325-cd20-46ec-826f-070bdde3b9d5_20220715_101353_898.jpg, 00:04:03, 14.81 m
General photograph taken at this point

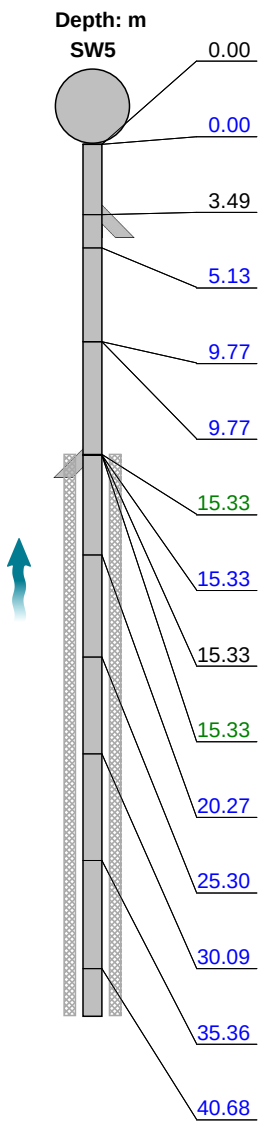
Section Inspection - 15/07/2022 - UPSTREAMX



Item No. 8	Insp. No. 1	Date 15/07/22	Time 10:19	Client's Job Ref 198401	Weather No Rain Or Snow	Pre Cleaned Yes	PLR UPSTREAMX
Operator A.EAGLESOME		Vehicle FG64 FLM		Camera Crawler	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	UPSTREAM
Road:	Bennett Street	Inspected Length:	55.20 m	Upstream Pipe Depth:	
Location:	Other location	Total Length:	55.20 m	Downstream Node:	SW5
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	1,200 mm		
Flow Control:	No flow control	Material:	Brick		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

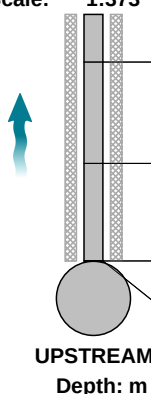
Comments:
Recommendations:

Scale: 1:373	Position [m]	Code	Observation	MPEG	Photo	Grade
						
Depth: m	0.00	MH	Start node, manhole, reference: SW5	00:00:00		
	0.00	WL	Water level, 10% of the vertical dimension	00:00:00	UPSTREA MX_0f054 834-1235-	
	3.49	CN	Connection other than junction at 10 o'clock, 150mm dia	00:00:29	UPSTREA MX_dcff5f e2-aeff-49	
	5.13	GP	General photograph taken at this point	00:00:42	UPSTREA MX_53f9b c72-ce28-	
	9.77	REM	General remark: UNCHARTED BURRIED MH	00:01:53	UPSTREA MX_d1bb6 45d-c35e-	
	9.77	GP	General photograph taken at this point	00:02:03	UPSTREA MX_3ed87 43e-5dce-	
	15.33	S01 DEE	Attached deposits, encrustation from 12 o'clock to 12 o'clock, 5% cross-sectional area loss, start	00:05:48	UPSTREA MX_6f20c 8d0-bca2-	
	15.33	GP	General photograph taken at this point	00:05:07	UPSTREA MX_54fd5 ad1-e941-	
	15.33	CN	Connection other than junction at 2 o'clock, 150mm dia	00:05:42		
	15.33	DES	Settled deposits, fine, 10% cross-sectional area loss	00:05:53	UPSTREA MX_116c7 368-fcb8-4	3
	20.27	GP	General photograph taken at this point	00:06:37	UPSTREA MX_d6323 9b9-6e76-	
	25.30	GP	General photograph taken at this point	00:08:12	UPSTREA MX_ee5c5 8aa-04dd-	
	30.09	GP	General photograph taken at this point	00:09:42	UPSTREA MX_fe096 dfd-6b5a-4	
	35.36	GP	General photograph taken at this point	00:11:50	UPSTREA MX_377dd e82-9c8f-4	
	40.68	GP	General photograph taken at this point	00:13:21	UPSTREA MX_4627e 577-a44f-4	

Section Inspection - 15/07/2022 - UPSTREAMX



Item No. 8	Insp. No. 1	Date 15/07/22	Time 10:19	Client's Job Ref 198401	Weather No Rain Or Snow	Pre Cleaned Yes	PLR UPSTREAMX
Operator A.EAGLESOME		Vehicle FG64 FLM		Camera Crawler	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Scale:	1:373	Position [m]	Code	Observation	MPEG	Photo	Grade		
		45.38	GP	General photograph taken at this point	00:15:04	UPSTREA MX_589f1 e78-4d4f-4			
		50.40	GP	General photograph taken at this point	00:16:46	UPSTREA MX_461cc 588-6a6f-4			
		55.20	F01 DEE	Attached deposits, encrustation from 12 o'clock to 12 o'clock, 5% cross-sectional area loss, finish	00:17:57		3		
		55.20	OCF	Finish node, other special chamber, reference: UPSTREAM: OFF SITE BOUNDRY	00:17:58	UPSTREA MX_f8c24 418-a13f-4			
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	2	4.0	1.5	82.0	3.0

Section Pictures - 15/07/2022 - UPSTREAMX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Upstream	UPSTREAMX	198401	198401



UPSTREAMX_0f054834-1235-4c44-bcf4-d188cfb6a589_2022
0715_101954_356.jpg, 00:00:00, 0.00 m
Water level, 10% of the vertical dimension



UPSTREAMX_dcff5fe2-aeff-490b-995b-ba493665b4b6_20220
715_102025_082.jpg, 00:00:29, 3.49 m
Connection other than junction at 10 o'clock, 150mm dia



UPSTREAMX_53f9bc72-ce28-401c-8c9b-9d96c9672c19_202
20715_102041_295.jpg, 00:00:42, 5.13 m
General photograph taken at this point



UPSTREAMX_d1bb645d-c35e-4a0e-9bdf-6efff4b8fb1d_20220
715_102205_405.jpg, 00:01:53, 9.77 m
General remark, UNCHARTED BURIED MH

Section Pictures - 15/07/2022 - UPSTREAMX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Upstream	UPSTREAMX	198401	198401



UPSTREAMX_3ed8743e-5dce-4b7d-87ee-8c3bde5c8864_20
220715_102215_180.jpg, 00:02:03, 9.77 m
General photograph taken at this point



UPSTREAMX_6f20c8d0-bca2-4553-87b5-30119180304b_202
20715_102623_179.jpg, 00:05:48, 15.33 m
Attached deposits, encrustation from 12 o'clock to 12 o'clock,
5% cross-sectional area loss, start



UPSTREAMX_54fd5ad1-e941-401a-bc7d-19417c17db05_202
20715_102522_812.jpg, 00:05:07, 15.33 m
General photograph taken at this point



UPSTREAMX_116c7368-fcb8-46bb-ac8c-c52e9c534ca7_202
20715_102632_146.jpg, 00:05:53, 15.33 m
Settled deposits, fine, 10% cross-sectional area loss

Section Pictures - 15/07/2022 - UPSTREAMX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Upstream	UPSTREAMX	198401	198401



UPSTREAMX_d63239b9-6e76-4800-bd75-17ec02ce7e3a_2020715_102717_530.jpg, 00:06:37, 20.27 m
General photograph taken at this point



UPSTREAMX_ee5c58aa-04dd-42f0-826e-726aab0f705c_2020715_102855_119.jpg, 00:08:12, 25.30 m
General photograph taken at this point



UPSTREAMX_fe096dfd-6b5a-4f8c-9994-1d744dd0d43c_2020715_103033_021.jpg, 00:09:42, 30.09 m
General photograph taken at this point



UPSTREAMX_377dde82-9c8f-4f1f-a704-8ae6e5bb81a1_2020715_103244_452.jpg, 00:11:50, 35.36 m
General photograph taken at this point

Section Pictures - 15/07/2022 - UPSTREAMX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Upstream	UPSTREAMX	198401	198401



UPSTREAMX_4627e577-a44f-49cc-95c4-22fb50ca54c9_2022
0715_103420_259.jpg, 00:13:21, 40.68 m
General photograph taken at this point



UPSTREAMX_589f1e78-4d4f-4769-8d97-9b2df3d40be7_202
20715_103607_194.jpg, 00:15:04, 45.38 m
General photograph taken at this point



UPSTREAMX_461cc588-6a6f-4723-8910-17877d4022d1_202
20715_103753_497.jpg, 00:16:46, 50.40 m
General photograph taken at this point



UPSTREAMX_f8c24418-a13f-4c55-a70c-192bd851e9d4_202
20715_103934_959.jpg, 00:17:58, 55.20 m
Finish node, other special chamber, reference: UPSTREAM,
OFF SITE BOUNDRY

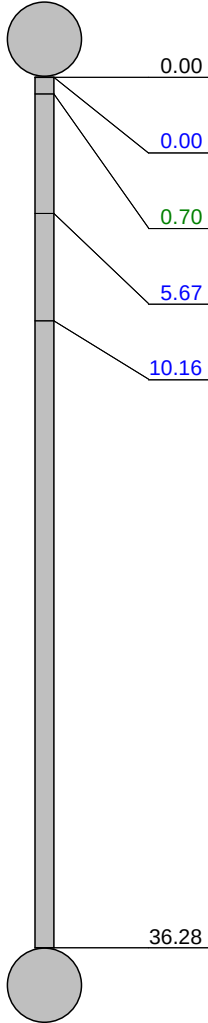
Section Inspection - 15/07/2022 - SW4X



Item No. 9	Insp. No. 1	Date 15/07/22	Time 10:59	Client's Job Ref 198401	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SW4X
Operator A.EAGLESOME		Vehicle FG64 FLM		Camera Crawler	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	SW4
Road:	Bennett Street	Inspected Length:	36.28 m	Upstream Pipe Depth:	
Location:	Other location	Total Length:	36.28 m	Downstream Node:	DOWNSTREAM
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	1,200 mm		
Flow Control:	No flow control	Material:	Concrete		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:315	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m SW4 						
	0.00	MH	Start node, manhole, reference: SW4	00:00:03		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:03		
	0.70	DEE	Attached deposits, encrustation from 12 o'clock to 12 o'clock, 10% cross-sectional area loss	00:00:07	SW4X_c7 7be944-c2 13-405d-9	3
	5.67	GP	General photograph taken at this point	00:01:40	SW4X_7b a24df5-5b 44-43ee-a	
	10.16	GP	General photograph taken at this point	00:02:56	SW4X_92 763442-bb f4-4b88-b9	
	36.28	OCF	Finish node, other special chamber, reference: DOWNSTREAM: DOWNSTREAM	00:08:28	SW4X_cc 0334c9-a6 16-4d7a-b	
DOWNSTREAM Depth: m						

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	1	2.0	0.1	2.0	3.0

Section Pictures - 15/07/2022 - SW4X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
9	Downstream	SW4X	198401	198401



SW4X_c77be944-c213-405d-9b54-fc652ab781be_20220715_105917_832.jpg, 00:00:07, 0.70 m
Attached deposits, encrustation from 12 o'clock to 12 o'clock, 10% cross-sectional area loss



SW4X_7ba24df5-5b44-43ee-a792-b98ed0a69942_20220715_110051_763.jpg, 00:01:40, 5.67 m
General photograph taken at this point



SW4X_92763442-bbf4-4b88-b98d-022e9bda8b71_20220715_110210_595.jpg, 00:02:56, 10.16 m
General photograph taken at this point



SW4X_cc0334c9-a616-4d7a-b5a4-fc2cd2ed6b95_20220715_110755_523.jpg, 00:08:28, 36.28 m
Finish node, other special chamber, reference: DOWNSTREAM, DOWNSTREAM

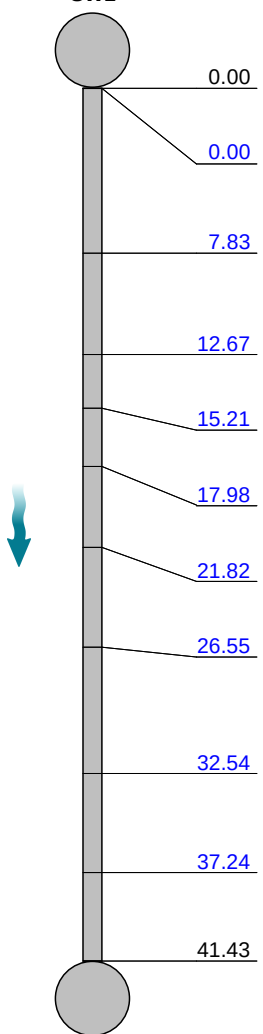
Section Inspection - 15/07/2022 - SW1X



Item No. 10	Insp. No. 1	Date 15/07/22	Time 11:29	Client's Job Ref 198401	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SW1X
Operator A.EAGLESOME		Vehicle FG64 FLM		Camera Crawler	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Downstream	Upstream Node:	SW1
Road:	Bennett Street	Inspected Length:	41.43 m	Upstream Pipe Depth:	
Location:	Other location	Total Length:	41.43 m	Downstream Node:	DOWNSTREAM
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	2,400 mm		
Flow Control:	No flow control	Material:	Brick		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:359	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m SW1  DOWNSTREAM Depth: m						
	0.00	MH	Start node, manhole, reference: SW1	00:00:02		
	0.00	WL	Water level, 20% of the vertical dimension	00:00:02	SW1X_1e d9bc55-95 c4-4458-8	
	7.83	GP	General photograph taken at this point	00:03:51	SW1X_92 57f822-01 cf-4014-b6	
	12.67	GP	General photograph taken at this point	00:07:08	SW1X_5b b90396-fb a2-4a5d-b	
	15.21	GP	General photograph taken at this point	00:10:08	SW1X_a3 5454b6-14 a9-4a56-a	
	17.98	GP	General photograph taken at this point	00:11:46	SW1X_63 6893ad-f8 cd-40c8-8	
	21.82	GP	General photograph taken at this point	00:12:21	SW1X_a4 1dd9a9-fa b3-46ce-a	
	26.55	GP	General photograph taken at this point	00:13:17	SW1X_ad 9a7067-7d bf-4df6-8e	
	32.54	GP	General photograph taken at this point	00:14:10	SW1X_47 b922af-f3e 6-4b0d-b6	
	37.24	GP	General photograph taken at this point	00:15:15	SW1X_55 464ff8-b88 3-4186-b7	
	41.43	OCF	Finish node, other special chamber, reference: DOWNSTREAM: PAST SITE BOUNDARY	00:16:17	SW1X_1c 0b4acb-78 a6-4cd2-9	

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 Pictures - 15/07/2022 - SW1X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
10	Downstream	SW1X	198401	198401



SW1X_1ed9bc55-95c4-4458-8aa1-46cdaa95485a_20220715_112934_534.jpg, 00:00:02, 0.00 m
Water level, 20% of the vertical dimension



SW1X_9257f822-01cf-4014-b656-a857d9433486_20220715_113351_988.jpg, 00:03:51, 7.83 m
General photograph taken at this point



SW1X_5bb90396-fba2-4a5d-b97a-1328319498e6_20220715_113712_138.jpg, 00:07:08, 12.67 m
General photograph taken at this point



SW1X_a35454b6-14a9-4a56-abbf-817d6332991f_20220715_114015_690.jpg, 00:10:08, 15.21 m
General photograph taken at this point

Section Pictures - 15/07/2022 - SW1X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
10	Downstream	SW1X	198401	198401



SW1X_636893ad-f8cd-40c8-821c-0b3c21f6783e_20220715_114156_760.jpg, 00:11:46, 17.98 m
General photograph taken at this point



SW1X_a41dd9a9-fab3-46ce-ae26-fdd6bd359823_20220715_114235_525.jpg, 00:12:21, 21.82 m
General photograph taken at this point



SW1X_ad9a7067-7dbf-4df6-8e7c-9b373cc614cb_20220715_114335_912.jpg, 00:13:17, 26.55 m
General photograph taken at this point



SW1X_47b922af-f3e6-4b0d-b650-1ec4181b9c74_20220715_114431_974.jpg, 00:14:10, 32.54 m
General photograph taken at this point

Section Pictures - 15/07/2022 - SW1X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
10	Downstream	SW1X	198401	198401



SW1X_55464ff8-b883-4186-b7b8-8c1bd94defbc_20220715_114541_182.jpg, 00:15:15, 37.24 m
General photograph taken at this point



SW1X_1c0b4acb-78a6-4cd2-92f4-c5eb4298fc5d_20220715_114657_886.jpg, 00:16:17, 41.43 m
Finish node, other special chamber, reference: DOWNSTREAM, PAST SITE BOUNDARY

Section Inspection - 15/07/2022 - SW1AX



Item No. 11	Insp. No. 1	Date 15/07/22	Time 11:52	Client's Job Ref 198401	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SW1AX
Operator A.EAGLESOME		Vehicle FG64 FLM		Camera Crawler	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	SW1A
Road:	Bennett Street	Inspected Length:	76.92 m	Upstream Pipe Depth:	
Location:	Other location	Total Length:	76.92 m	Downstream Node:	SW1
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	2,400 mm		
Flow Control:	No flow control	Material:	Brick		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:666	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m SW1 0.00 0.00 6.23 11.71 20.76 29.17 39.35 46.47 52.19 56.35 62.28 65.40 71.36 76.92 SW1A Depth: m						
	0.00	MH	Start node, manhole, reference: SW1	00:00:07		
	0.00	WL	Water level, 20% of the vertical dimension	00:00:07	SW1AX_1 55f3a27-8 aa1-45a0-	
	6.23	DES	Settled deposits, fine, 20% cross-sectional area loss	00:01:45	SW1AX_a 6df3ce6-3 909-4ee5-	4
	11.71	GP	General photograph taken at this point	00:02:22	SW1AX_9 e94d0b0-a e5c-4be1-	
	20.76	GP	General photograph taken at this point	00:03:54	SW1AX_c dd2f7ca-c ae7-4fd5-9	
	29.17	GP	General photograph taken at this point	00:05:17	SW1AX_7 4a04495-4 103-4d1c-	
	39.35	GP	General photograph taken at this point	00:06:26	SW1AX_a 26abe26-c 0ce-46fd-9	
	46.47	GP	General photograph taken at this point	00:07:05	SW1AX_a ea19967-7 b06-49a4-	
	52.19	GP	General photograph taken at this point	00:08:32	SW1AX_4f ad7681-9e 2d-4f25-99	
	56.35	GP	General photograph taken at this point	00:11:21		
	62.28	GP	General photograph taken at this point	00:12:10	SW1AX_5 d5f9808-6 255-4d0e-	
	65.40	GP	General photograph taken at this point	00:13:40	SW1AX_1 59c681b-d 58a-44f0-8	
	71.36	GP	General photograph taken at this point	00:14:48		
	76.92	MHF	Finish node, manhole, reference: SW1A	00:16:25	SW1AX_9 850a96d-4 115-417e-	

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	1	5.0	0.1	5.0	4.0

Section Pictures - 15/07/2022 - SW1AX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
11	Upstream	SW1AX	198401	198401



SW1AX_155f3a27-8aa1-45a0-927f-f0e2eea2c30f_20220715_115227_911.jpg, 00:00:07, 0.00 m
Water level, 20% of the vertical dimension



SW1AX_a6df3ce6-3909-4ee5-a819-268de26b1f8f_20220715_115405_753.jpg, 00:01:45, 6.23 m
Settled deposits, fine, 20% cross-sectional area loss



SW1AX_9e94d0b0-ae5c-4be1-9cb5-7a6e0b762e7f_20220715_115443_829.jpg, 00:02:22, 11.71 m
General photograph taken at this point



SW1AX_cdd2f7ca-cae7-4fd5-9e3d-e8352e386c80_20220715_115619_017.jpg, 00:03:54, 20.76 m
General photograph taken at this point

Section Pictures - 15/07/2022 - SW1AX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
11	Upstream	SW1AX	198401	198401



SW1AX_74a04495-4103-4d1c-ab52-734cdbbd4411_20220715_115745_020.jpg, 00:05:17, 29.17 m
General photograph taken at this point



SW1AX_a26abe26-c0ce-46fd-98eb-8decddb769ee_20220715_115857_518.jpg, 00:06:26, 39.35 m
General photograph taken at this point



SW1AX_aea19967-7b06-49a4-aa6d-ee918ba4c89e_20220715_115939_510.jpg, 00:07:05, 46.47 m
General photograph taken at this point



SW1AX_4fad7681-9e2d-4f25-99cb-29527700c703_20220715_120110_395.jpg, 00:08:32, 52.19 m
General photograph taken at this point

Section Pictures - 15/07/2022 - SW1AX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
11	Upstream	SW1AX	198401	198401



SW1AX_5d5f9808-6255-4d0e-a705-2aded9e0055c_20220715_120455_338.jpg, 00:12:10, 62.28 m
General photograph taken at this point



SW1AX_159c681b-d58a-44f0-80ac-01975f994ab5_20220715_120628_265.jpg, 00:13:40, 65.40 m
General photograph taken at this point



SW1AX_9850a96d-4115-417e-8810-21b0ce4ed79d_20220715_120924_196.jpg, 00:16:25, 76.92 m
Finish node, manhole, reference: SW1A

Section Inspection - 15/07/2022 - SW3X



Item No. 12	Insp. No. 1	Date 15/07/22	Time 12:10	Client's Job Ref 198401	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SW3X
Operator A.EAGLESOME		Vehicle FG64 FLM		Camera Crawler	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	SW3
Road:	Bennett Street	Inspected Length:	39.82 m	Upstream Pipe Depth:	
Location:	Other location	Total Length:	39.82 m	Downstream Node:	SW1A
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	2,400 mm		
Flow Control:	No flow control	Material:	Brick		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:345	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m SW1A 0.00 MH Start node, manhole, reference: SW1A 00:00:02						
0.00 WL Water level, 10% of the vertical dimension 00:00:02						
39.82 MHF Finish node, manhole, reference: SW3 00:02:55 SW3X_57 952078-1d 68-4ba7-b						
SW3 Depth: m						

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 Pictures - 15/07/2022 - SW3X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
12	Upstream	SW3X	198401	198401



SW3X_57952078-1d68-4ba7-b292-18cdd75c891a_20220715
_121341_818.jpg, 00:02:55, 39.82 m
Finish node, manhole, reference: SW3

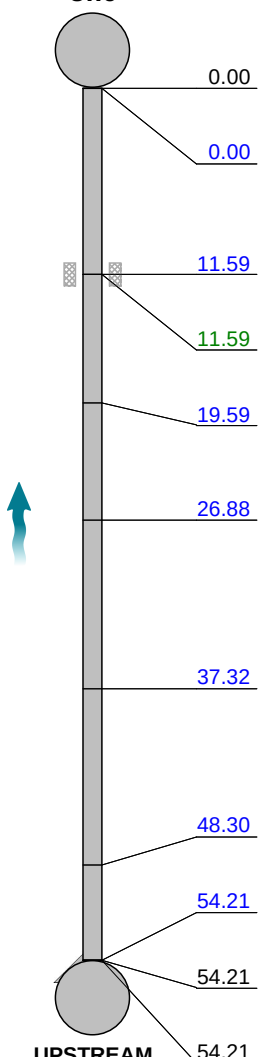
Section Inspection - 15/07/2022 - UPSTREAMX



Item No. 13	Insp. No. 1	Date 15/07/22	Time 12:18	Client's Job Ref 198401	Weather No Rain Or Snow	Pre Cleaned Yes	PLR UPSTREAMX
Operator A.EAGLESOME		Vehicle FG64 FLM		Camera Crawler	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Manchester	Inspection Direction:	Upstream	Upstream Node:	UPSTREAM
Road:	Bennett Street	Inspected Length:	54.21 m	Upstream Pipe Depth:	
Location:	Other location	Total Length:	54.21 m	Downstream Node:	SW3
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	2,400 mm		
Flow Control:	No flow control	Material:	Brick		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:470	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m SW3  UPSTREAM Depth: m						
	0.00	MH	Start node, manhole, reference: SW3	00:00:04		
	0.00	WL	Water level, 20% of the vertical dimension	00:00:05	UPSTREA MX_50a2c fb6-3f6b-4	
	11.59	GP	General photograph taken at this point	00:00:34	UPSTREA MX_67eee 176-bff3-4f	
	11.59	S01	DES Settled deposits, fine, 15% cross-sectional area loss, start	00:00:36	UPSTREA MX_91c24 9c5-307e-	3
	19.59	GP	General photograph taken at this point	00:01:39	UPSTREA MX_32bf5 0d0-b516-	
	26.88	GP	General photograph taken at this point	00:02:24	UPSTREA MX_cf584f b5-071d-4	
	37.32	GP	General photograph taken at this point	00:03:20	UPSTREA MX_c7f00f b7-635e-4	
	48.30	GP	General photograph taken at this point	00:04:19	UPSTREA MX_cde35 371-6273-	
	54.21	GP	General photograph taken at this point	00:05:15	UPSTREA MX_dfbf69 c7-bc0a-4	
	54.21	CN	Connection other than junction at 2 o'clock, 150mm dia	00:05:16	UPSTREA MX_99156 4bf-0861-4	
	54.21	OCF	Finish node, other special chamber, reference: UPSTREAM: SITE BROUNDY	00:05:40	UPSTREA MX_0b485 ba5-5288-	

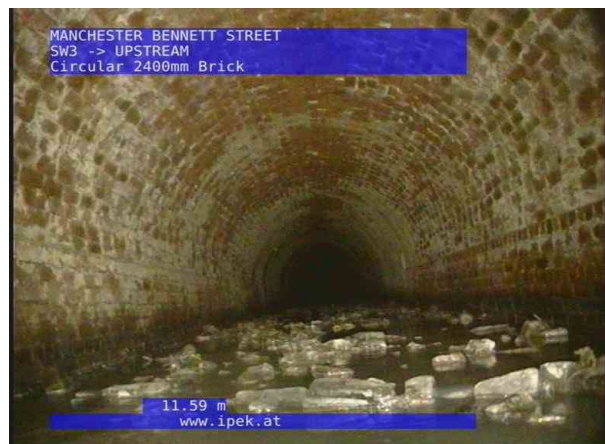
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	0.0	0.0	2.0	1.0

Section Pictures - 15/07/2022 - UPSTREAMX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
13	Upstream	UPSTREAMX	198401	198401



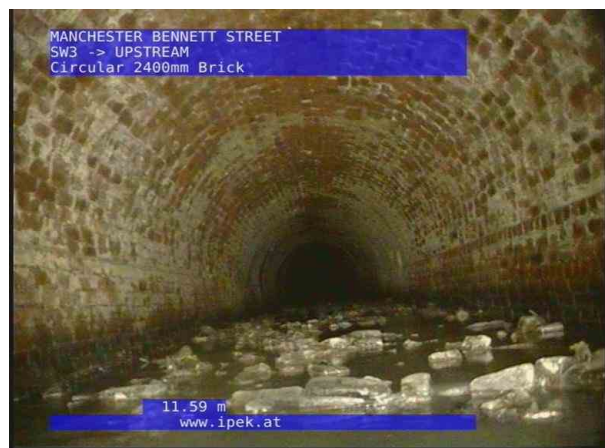
UPSTREAMX_50a2cfb6-3f6b-4ba0-82b9-e550f7aa14be_2022
0715_121842_483.jpg, 00:00:05, 0.00 m
Water level, 20% of the vertical dimension



UPSTREAMX_67eee176-bff3-4f92-9ae6-0b6158698897_202
20715_121910_913.jpg, 00:00:34, 11.59 m
General photograph taken at this point



UPSTREAMX_d8ca8c72-0342-45da-812e-e34441bc84d0_20
220715_121913_157.jpg, 00:00:34, 11.59 m
General photograph taken at this point



UPSTREAMX_91c249c5-307e-4052-b8ed-c9b6c93fcde2_202
20715_121920_482.jpg, 00:00:36, 11.59 m
Settled deposits, fine, 15% cross-sectional area loss, start

Section Pictures - 15/07/2022 - UPSTREAMX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
13	Upstream	UPSTREAMX	198401	198401



UPSTREAMX_32bf50d0-b516-4fa1-8732-27822a097698_2020715_122024_832.jpg, 00:01:39, 19.59 m
General photograph taken at this point



UPSTREAMX_cf584fb5-071d-4d3b-b908-37a0bdbf0491_2020715_122113_496.jpg, 00:02:24, 26.88 m
General photograph taken at this point



UPSTREAMX_c7f00fb7-635e-4c32-bf34-896a78fbaeab_2020715_122212_114.jpg, 00:03:20, 37.32 m
General photograph taken at this point



UPSTREAMX_cde35371-6273-421e-b332-15f942e4a8cb_2020715_122315_200.jpg, 00:04:19, 48.30 m
General photograph taken at this point

Section Pictures - 15/07/2022 - UPSTREAMX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
13	Upstream	UPSTREAMX	198401	198401



UPSTREAMX_dfbf69c7-bc0a-4c33-b12f-5eabe869bd7c_2022
0715_122414_593.jpg, 00:05:15, 54.21 m
General photograph taken at this point



UPSTREAMX_991564bf-0861-4d4b-a1df-d86103db70fa_202
20715_122425_384.jpg, 00:05:16, 54.21 m
Connection other than junction at 2 o'clock, 150mm dia



UPSTREAMX_0b485ba5-5288-470d-80f6-2e5df68dc5cb_202
20715_122500_711.jpg, 00:05:40, 54.21 m
Finish node, other special chamber, reference: UPSTREAM,
SITE BOUNDARY

Project No.

Survey Date.

Surveyor.

Asset Survey Card

Asset ID: eg: MH, CP, GY

Status: Asset Type: Function: Cover Level:

Location:

Town:

COVER DETAILS

☒ Square
 ☐ Rectangle
 ☐ Triangle
 ☐ Dbl Triangle
 ☐ Circular
 ☐ Other Other

☐ Hinged
 ☐ Lockable
 ☐ Grating
 ☐ Cover Duty
 x Size (mm)

PIPE DETAILS

Incoming Pipes

Pipe	Depth from Cover (m)	Upstream / Downstream Ref	Shape	Size (mm) Height Width	Pipe Mat	Lining Mat	Soffit Level (m)	Invert Level (m)
A	6.56	2400	OVAL	x	BR		38.309	38.309
B				x				
C				x				
D				x				
E				x				
F				x				

Outgoing Pipes

X	6.56	2400	OVAL	x	BR		38.309	38.309
Y				x				

MANHOLE CONSTRUCTION DETAILS

Shaft

x Size (mm)
 Depth (m)
 No. of Reg Courses
 Soffit

Chamber

x Size (mm)
 Side Entry
 OX / H2S / METH Toxic atmosphere
 Evidence of Surcharge

☐ Pre Cast Concrete
 ☐ Insitu Concrete
 ☐ Brick
 ☐ GRP
 ☐ Reducing Slab

Step Irons
 Ladder
 No. of Landings
 Depth of Flow (mm)
 Depth of Silt (mm)

ADDITIONAL CONSTRUCTION DETAILS

☐ Flap Valve
 ☐ Orifice
 ☐ Sluice Gate
 ☐ Weir
 ☐ Screens
 ☐ Penstock
 ☐ Flume
 ☐ H/Wall

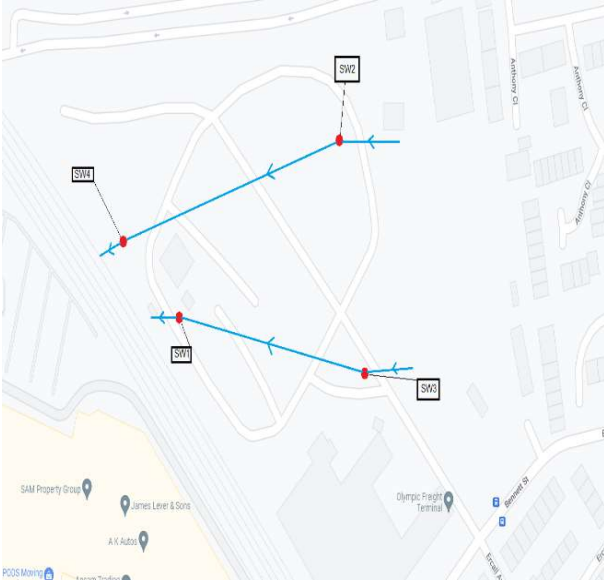
CONDITION INFORMATION (Specify in Remark)

	Cover	Shaft	Irons/Ladder	Chamber	Benching	Channel
OK	Y	Y	Y	Y	Y	Y
Needs Attention						
Urgent Attention						

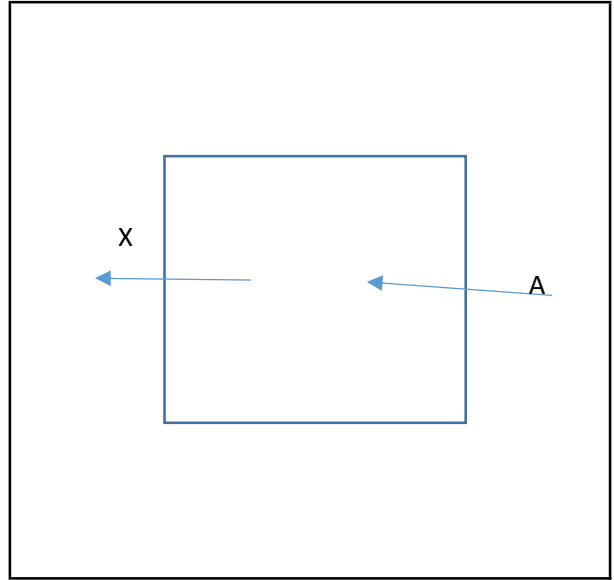
Remark

DEPTHS TAKEN ON SECOND VISIT ONCE MH RINGS WERE IN PLACE

LOCATION SKETCH



PLAN OF MANHOLE



LOCATION PHOTO



INTERNAL PHOTO



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	
	LH : Lamphole	RE : Rodding Eye	SO : Storm Overflow	
	GU : Gully	OF : Outfall	SA : Soakaway	
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	
	MAR : Masonry, Random Courses	XXX : Other (State in remarks)		
LINING	BL : Bitumen	RL : Resin	IS : Insituform	
	CL : Cement	PI : Plastic		

Project No.

Survey Date.

Surveyor.

Asset Survey Card

Asset ID: eg: MH, CP, GY

Status: Asset Type: Function: Cover Level:

Location:

Town:

COVER DETAILS

☐ Square ☐ Rectangle ☐ Triangle ☐ Dbl Triangle ☐ Circular ☐ Other Other

☐ Hinged ☐ Lockable ☐ Grating ☐ Cover Duty x Size (mm)

PIPE DETAILS

Incoming Pipes

Pipe	Depth from Cover (m)	Upstream / Downstream Ref	Shape	Size (mm) Height Width		Pipe Mat	Lining Mat	Soffit Level (m)	Invert Level (m)
A	5.48		RET	1200	x	CON		41.103	39.903
B					x				
C					x				
D					x				
E					x				
F					x				

Outgoing Pipes

X	5.48		OVAL	1200	x	CON		41.103	39.903
Y					x				

MANHOLE CONSTRUCTION DETAILS

Shaft

x Size (mm) Depth (m) No. of Reg Courses Soffit

Chamber

x Size (mm) Side Entry OX / H2S / METH Toxic atmosphere Evidence of Surge

☐ Pre Cast Concrete ☐ Insitu Concrete ☐ Brick ☐ GRP ☐ Reducing Slab

Step Irons ☐ Y Ladder No. of Landings Depth of Flow (mm) Depth of Silt (mm)

ADDITIONAL CONSTRUCTION DETAILS

☐ Flap Valve ☐ Orifice ☐ Sluice Gate ☐ Weir ☐ Screens ☐ Penstock ☐ Flume ☐ H/Wall

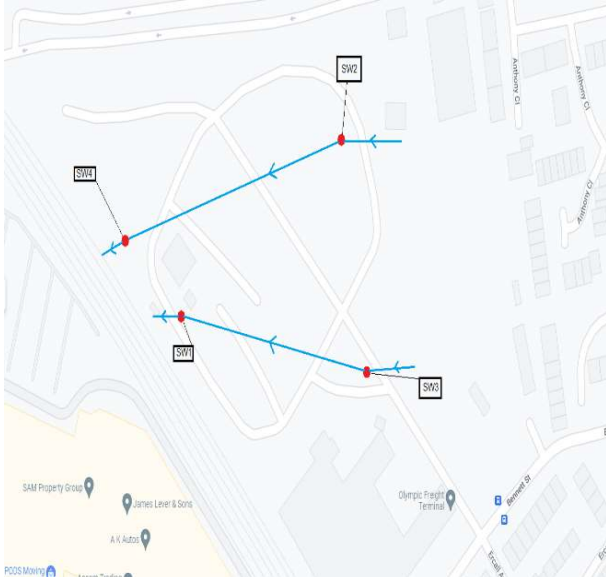
CONDITION INFORMATION (Specify in Remark)

	Cover	Shaft	Irons/Ladder	Chamber	Benching	Channel
OK	☐ Y	☐ Y	☐ Y	☐ Y	☐ Y	☐ Y
Needs Attention	☐	☐	☐	☐	☐	☐
Urgent Attention	☐	☐	☐	☐	☐	☐

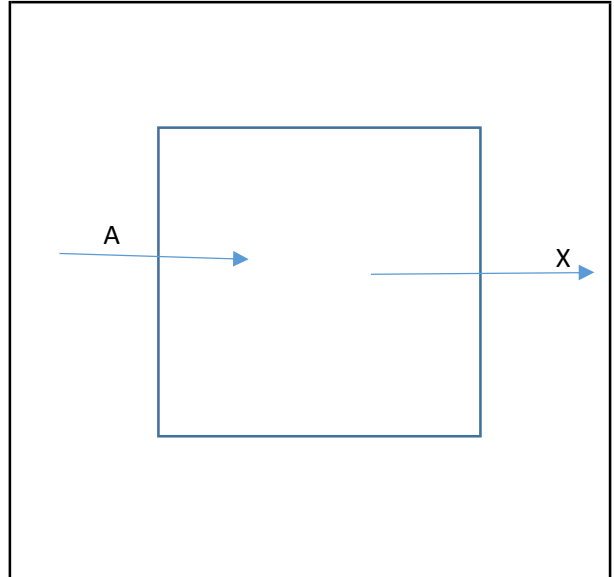
Remark

DEPTHS TAKEN ON SECOND VISIT

LOCATION SKETCH



PLAN OF MANHOLE



LOCATION PHOTO



INTERNAL PHOTO



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Project No.

Survey Date.

Surveyor.

Asset Survey Card

Asset ID: eg: MH, CP, GY

Status: Asset Type: Function: Cover Level:

Location:

Town:

COVER DETAILS

☒ Square
 ☐ Rectangle
 ☐ Triangle
 ☐ Dbl Triangle
 ☐ Circular
 ☐ Other Other

☐ Hinged
 ☐ Lockable
 ☐ Grating
 ☐ Cover Duty
 x Size (mm)

PIPE DETAILS

Incoming Pipes

Pipe	Depth from Cover (m)	Upstream / Downstream Ref	Shape	Size (mm) Height Width		Pipe Mat	Lining Mat	Soffit Level (m)	Invert Level (m)
A	5.78		OVAL	2400	x	BR		41.409	39.009
B					x				
C					x				
D					x				
E					x				
F					x				

Outgoing Pipes

X	5.78		OVAL	2400	x	BR		41.409	39.009
Y					x				

MANHOLE CONSTRUCTION DETAILS

Shaft

x Size (mm)
 Depth (m)
 No. of Reg Courses
 Soffit

Chamber

x Size (mm)
 Side Entry
 OX / H2S / METH Toxic atmosphere
 Evidence of Surcharge

☐ Pre Cast Concrete
 ☐ Insitu Concrete
 ☐ Brick
 ☐ GRP
 ☐ Reducing Slab

Step Irons
 ☒ Ladder
 No. of Landings
 Depth of Flow (mm)
 Depth of Silt (mm)

ADDITIONAL CONSTRUCTION DETAILS

☐ Flap Valve
 ☐ Orifice
 ☐ Sluice Gate
 ☐ Weir
 ☐ Screens
 ☐ Penstock
 ☐ Flume
 ☐ H/Wall

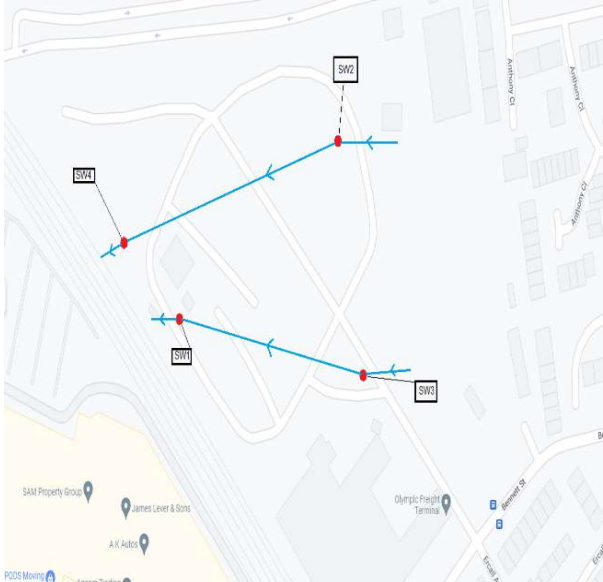
CONDITION INFORMATION (Specify in Remark)

	Cover	Shaft	Irons/Ladder	Chamber	Benching	Channel
OK	☒	☒	☒	☒	☒	☒
Needs Attention	☐	☐	☐	☐	☐	☐
Urgent Attention	☐	☐	☐	☐	☐	☐

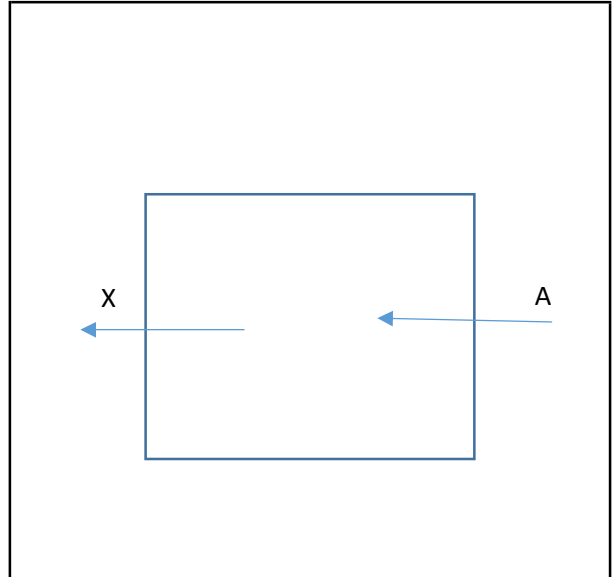
Remark

DEPTHS TAKEN ON SECOND VISIT ONCE MH RINGS WHERE IN PLACE

LOCATION SKETCH



PLAN OF MANHOLE



LOCATION PHOTO



INTERNAL PHOTO



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	MAR : Masonry, Random Courses	XXX : Other (State in remarks)		
LINING	BL : Bitumen	RL : Resin	IS : Insituform	
	CL : Cement	PI : Plastic		

Project No. 198401
 Survey Date. 07/07/2022
 Surveyor. A.EAGLESOME / N.MORTON

Asset Survey Card

Asset ID: SW4 eg: MH, CP, GY
 Status: Asset Type: MH Function: SW Cover Level: 44.234
 Location: BENNETT STREET
 Town: MANCHESTER, M12 5NL

COVER DETAILS

☐ Square ☐ Rectangle ☐ Triangle ☐ Dbl Triangle ☐ Circular ☐ Other Other
☐ Hinged ☐ Lockable ☐ Grating ☐ Cover Duty 600 x 600 Size (mm)

PIPE DETAILS

Incoming Pipes

Pipe	Depth from Cover (m)	Upstream / Downstream Ref	Shape	Size (mm) Height Width		Pipe Mat	Lining Mat	Soffit Level (m)	Invert Level (m)
A	6.44		OVAL	1200	x	BR		38.994	37.794
B					x				
C					x				
D					x				
E					x				
F					x				

Outgoing Pipes

X	6.44		OVAL	1200	x	BR		38.994	37.794
Y					x				

MANHOLE CONSTRUCTION DETAILS

Shaft

600 x 600 Size (mm) 0.3 Depth (m) N No. of Reg Courses Soffit

Chamber

1200 x 1200 Size (mm) N Side Entry N OX / H2S / METH Toxic atmosphere N Evidence of Surge

☐ Pre Cast Concrete ☐ Insitu Concrete ☐ Brick ☐ GRP ☐ Reducing Slab
 0 Step Irons Y Ladder 0 No. of Landings 10 Depth of Flow (mm) 10 Depth of Silt (mm)

ADDITIONAL CONSTRUCTION DETAILS

☐ Flap Valve ☐ Orifice ☐ Sluice Gate ☐ Weir ☐ Screens ☐ Penstock ☐ Flume ☐ H/Wall

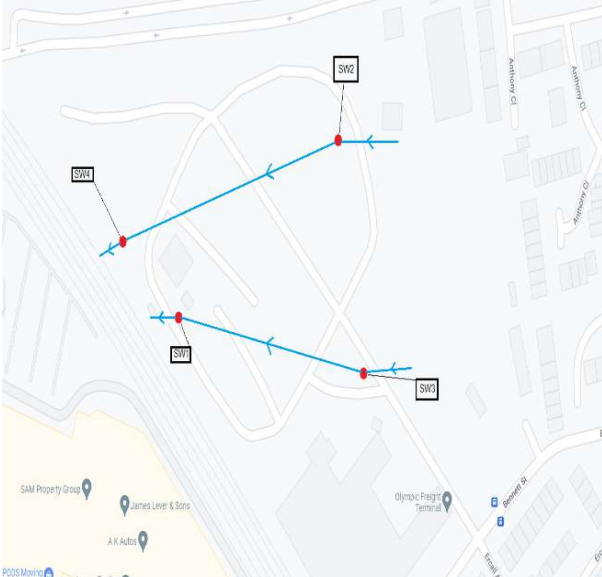
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OK	☐	☐	☐	☐	☐	☐
Needs Attention	☐	☐	☐	☐	☐	☐
Urgent Attention	☐	☐	☐	☐	☐	☐

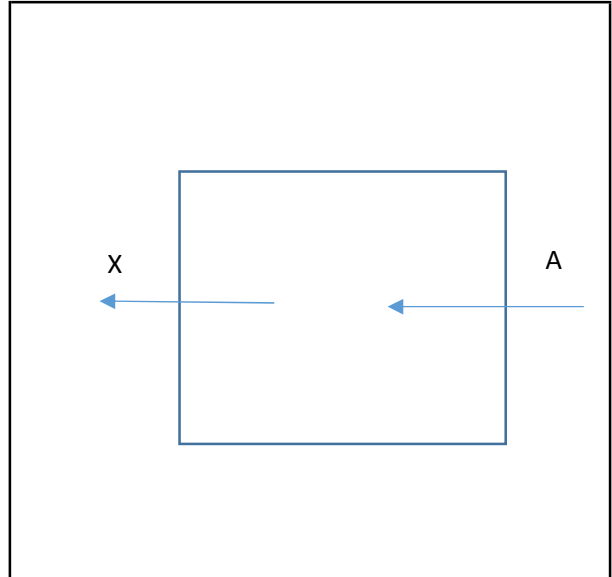
Remark

DEPTH TAKEN ON SECOND VISIT ONCE MH RINGS WERE DOWN

LOCATION SKETCH



PLAN OF MANHOLE



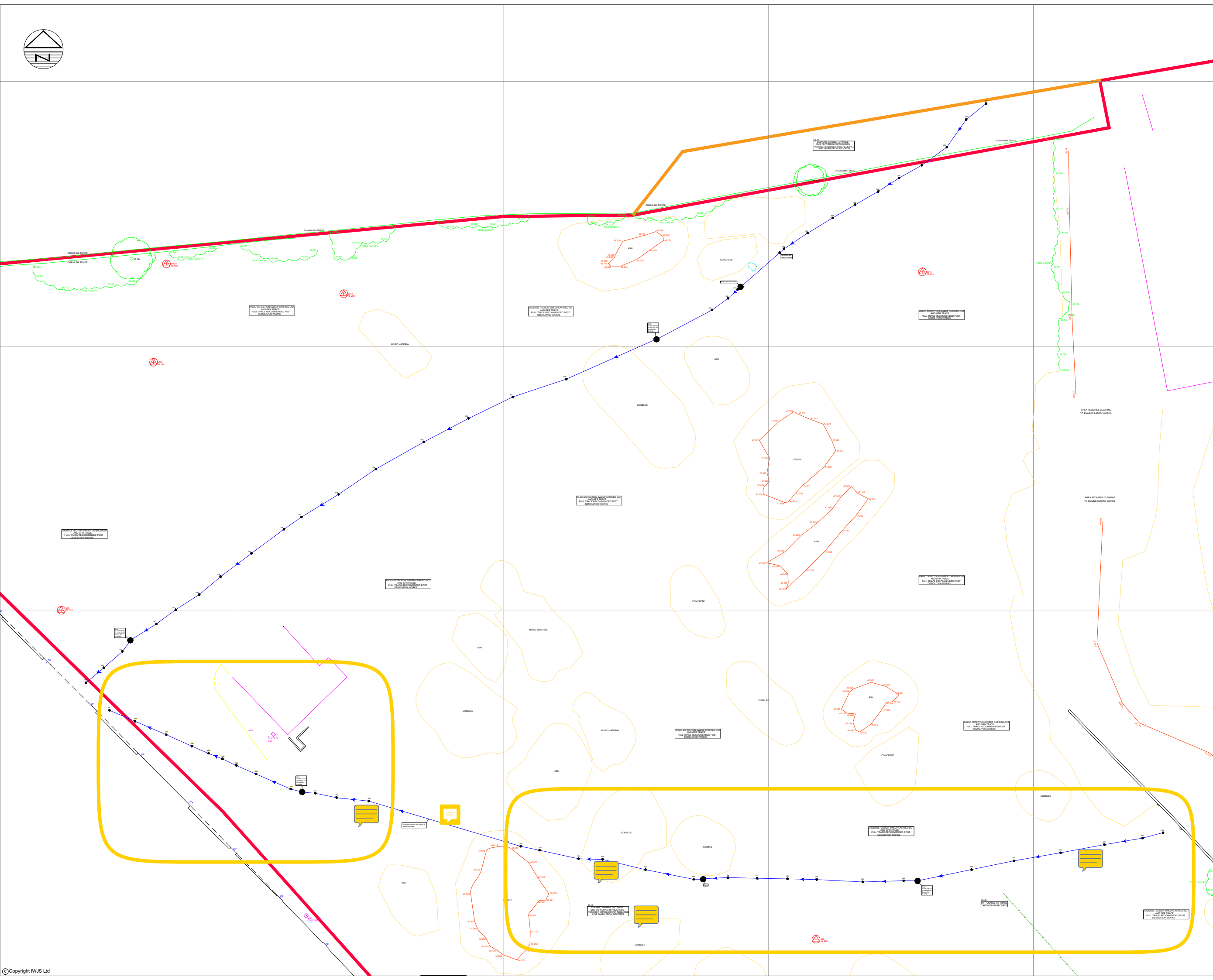
LOCATION PHOTO



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1. DO NOT SCALE FROM THIS DRAWING ALL DIMENSIONS MUST BE CHECKED/VERIFIED ON SITE. IF IN DOUBT, ASK.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT CCTV DOCUMENTATION.
3. ALL DIMENSIONS AND LEVELS IN METRES UNLESS NOTED OTHERWISE.
4. PIPE RUNS ARE ASSUMED STRAIGHT BETWEEN CHAMBERS UNLESS OTHERWISE INDICATED.
5. ALL UTILITIES ARE UNDERGROUND EXCEPT WHERE INDICATED.

MANHOLE / PROBE & MARK LOCATION
SURFACE WATER

ISSUES & REVISIONS



Project Title

**Bennett St
Manchester
M12 5NL**

Scale	NTS	Drawn	JS
Size	A1	Reviewed	BN

Drawing No.	Revision
IWJS - 198401	1