

DRAINTech

helping to improve the drainage network

Drainage Survey Report

Job Number : 18075

Project Number: 1

Project Name: Former Swelco Factory, Cwmgors

Company: Bluefield Land

Site Date: 22-01-2024

Draintech Surveys Ltd| Atlantic House| Chamwood Park| Bridgend| CF31 3PL| 01656 767001| www.draintech.co.uk



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Project Name
18075 FORMER SWELCO FACTORY

Project Number

Project Date
25/01/2024

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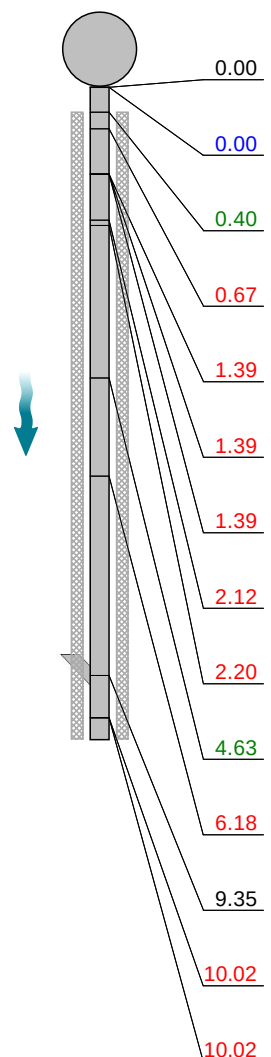
Project Information**Project Name**
18075 FORMER SWELCO FACTORY**Project Number****Project Date**
25/01/2024**Client****Company:** Bluefield Land
Contact: Paul Markey**Site****Company:** Draintech Surveys Ltd
Contact: Jason Shillito**Contractor****Company:** Draintech Surveys Ltd

Section Inspection - 25/01/2024 - MHF1X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
1	1	25/01/24	11:02	Not Specified	Rain	No	MHF1X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
DRAINTECH JS		Not Specified		Not Specified	Not Specified	Not Specified	Not Specified

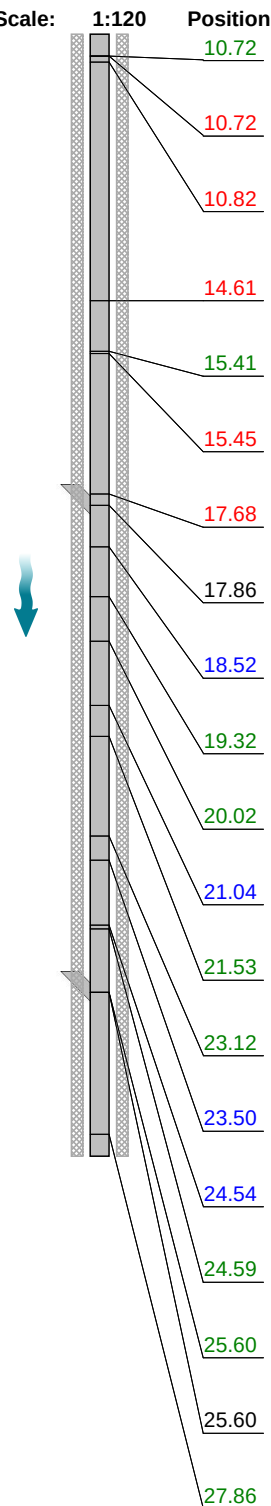
Town or Village:	Cwmgors	Inspection Direction:	Downstream	Upstream Node:	MHF1
Road:	Former Swelco Factory	Inspected Length:	71.90 m	Upstream Pipe Depth:	1.150 m
Location:		Total Length:	71.90 m	Downstream Node:	MHF2
Surface Type:		Joint Length:		Downstream Pipe Depth:	1.440 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	225 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:120	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 1.15 m MHF1 						
	0.00	MH	Start node, manhole, reference: MHF1	00:00:00		
	0.00	WL	Water level, 10% of the vertical dimension	00:00:09		
	0.40	S01	DEG Attached deposits, grease from 7 o'clock to 5 o'clock, 5% cross-sectional area loss, start: PATCHY	00:00:13		
	0.67	CSJ	Cracks, spiral at joint from 9 o'clock to 10 o'clock	00:00:25		3 / 2
	1.39	FLJ	Fracture, longitudinal at joint at 4 o'clock	00:00:46	1	3 / 2
	1.39	FLJ	Fracture, longitudinal at joint at 2 o'clock	00:00:52	2	3 / 2
	1.39	CCJ	Crack, circumferential at joint from 2 o'clock to 4 o'clock	00:00:54		2 / 2
	2.12	FCJ	Fracture, circumferential at joint from 2 o'clock to 4 o'clock	00:01:10	3	3 / 2
	2.20	CLJ	Crack, longitudinal at joint at 10 o'clock	00:01:22		2 / 2
	4.63	RFJ	Roots, fine at joint	00:02:04		2
	6.18	FSJ	Fracture, spiral at joint from 8 o'clock to 10 o'clock	00:02:32	4	4 / 2
	9.35	JN	Junction at 2 o'clock, 100mm dia	00:03:17		
	10.02	FLJ	Fracture, longitudinal at joint at 10 o'clock	00:03:33	5	3 / 2
	10.02	FSJ	Fracture, spiral at joint from 1 o'clock to 3 o'clock	00:03:50	6	4 / 2

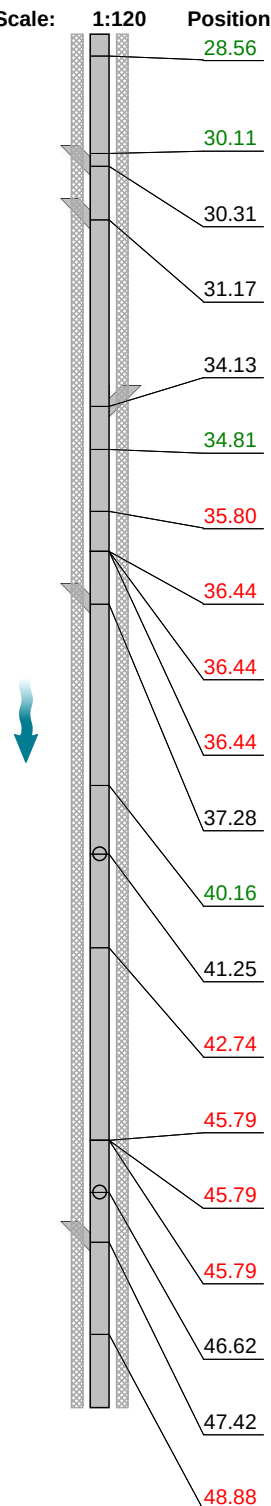
Section Inspection - 25/01/2024 - MHF1X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
1	1	25/01/24	11:02	Not Specified	Rain	No	MHF1X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
DRAINTECH JS		Not Specified		Not Specified	Not Specified	Not Specified	Not Specified

Scale:	1:120	Position [m]	Code	Observation	MPEG	Photo	Grade
		10.72	DEEJ	Attached deposits, encrustation at joint from 3 o'clock to 5 o'clock, 5% cross-sectional area loss	00:04:09		3
		10.72	FCJ	Fracture, circumferential at joint from 9 o'clock to 2 o'clock	00:04:14	7	3 / 2
		10.82	FLJ	Fracture, longitudinal at joint at 9 o'clock	00:04:26	8	3 / 2
		14.61	CCJ	Crack, circumferential at joint from 11 o'clock to 1 o'clock	00:05:17		2 / 2
		15.41	DEEJ	Attached deposits, encrustation at joint at 10 o'clock, 5% cross-sectional area loss	00:05:30		3
		15.45	FCJ	Fracture, circumferential at joint from 10 o'clock to 2 o'clock	00:05:37	9	3 / 2
		17.68	CCJ	Crack, circumferential at joint from 3 o'clock to 4 o'clock	00:06:14		2 / 2
		17.86	JN	Junction at 2 o'clock, 100mm dia	00:06:22		
		18.52	WL	Water level, 20% of the vertical dimension	00:06:28		
		19.32	DEEJ	Attached deposits, encrustation at joint from 10 o'clock to 2 o'clock, 5% cross-sectional area loss	00:06:39		3
		20.02	DEEJ	Attached deposits, encrustation at joint at 3 o'clock, 5% cross-sectional area loss	00:06:48		3
		21.04	WL	Water level, 10% of the vertical dimension	00:06:58		
		21.53	DEEJ	Attached deposits, encrustation at joint from 9 o'clock to 12 o'clock, 5% cross-sectional area loss	00:07:05		3
		23.12	DEEJ	Attached deposits, encrustation at joint from 2 o'clock to 3 o'clock, 5% cross-sectional area loss	00:07:28		3
		23.50	WL	Water level, 20% of the vertical dimension	00:07:34		
		24.54	WL	Water level, 10% of the vertical dimension	00:07:48		
		24.59	DEEJ	Attached deposits, encrustation at joint from 1 o'clock to 5 o'clock, 5% cross-sectional area loss	00:07:51		3
		25.60	DEE	Attached deposits, encrustation from 2 o'clock to 5 o'clock, 5% cross-sectional area loss	00:08:00		3
		25.60	JN	Junction at 2 o'clock, 100mm dia	00:08:01		
		27.86	DEE	Attached deposits, encrustation at 9 o'clock, 5% cross-sectional area loss	00:08:27		3

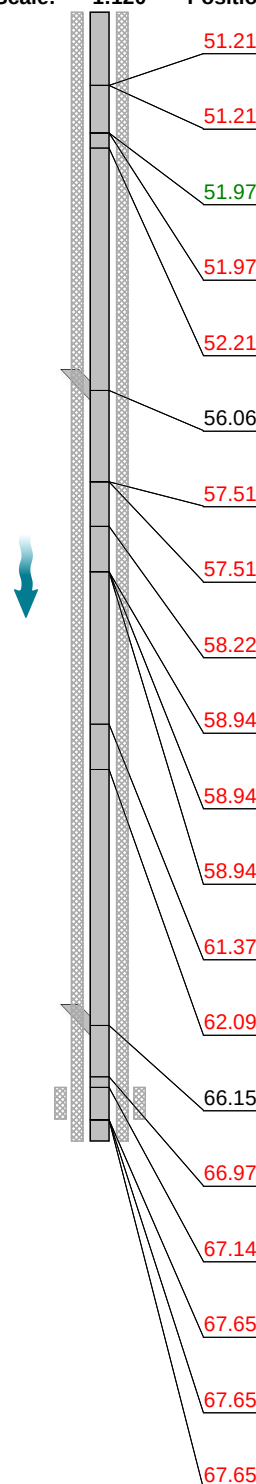
Section Inspection - 25/01/2024 - MHF1X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
1	1	25/01/24	11:02	Not Specified	Rain	No	MHF1X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
DRAINTECH JS		Not Specified		Not Specified	Not Specified	Not Specified	Not Specified

Scale:	1:120	Position [m]	Code	Observation	MPEG	Photo	Grade
		28.56	DEEJ	Attached deposits, encrustation at joint from 3 o'clock to 5 o'clock, 5% cross-sectional area loss	00:08:36		3
		30.11	DEE	Attached deposits, encrustation from 7 o'clock to 11 o'clock, 5% cross-sectional area loss	00:09:00		3
		30.31	CN	Connection other than junction at 2 o'clock, 100mm dia	00:09:06		
		31.17	JN	Junction at 2 o'clock, 150mm dia	00:09:21		
		34.13	JN	Junction at 9 o'clock, 150mm dia	00:09:47		
		34.81	DEEJ	Attached deposits, encrustation at joint from 7 o'clock to 10 o'clock, 5% cross-sectional area loss	00:09:54		3
		35.80	CLJ	Crack, longitudinal at joint at 12 o'clock	00:10:09		2 / 2
		36.44	FLJ	Fracture, longitudinal at joint at 3 o'clock	00:10:36	10	3 / 2
		36.44	CLJ	Crack, longitudinal at joint at 10 o'clock	00:10:41		2 / 2
		36.44	CCJ	Crack, circumferential at joint from 10 o'clock to 3 o'clock	00:10:44		2 / 2
		37.28	JN	Junction at 2 o'clock, 150mm dia	00:10:52		
		40.16	DEEJ	Attached deposits, encrustation at joint at 9 o'clock, 5% cross-sectional area loss	00:11:17		3
		41.25	JN	Junction at 12 o'clock, 100mm dia	00:11:30		
		42.74	CLJ	Crack, longitudinal at joint at 9 o'clock	00:11:53		2 / 2
		45.79	CLJ	Crack, longitudinal at joint at 9 o'clock	00:12:20		2 / 2
		45.79	CLJ	Crack, longitudinal at joint at 11 o'clock	00:12:23		2 / 2
		45.79	FLJ	Fracture, longitudinal at joint at 3 o'clock	00:12:27	11	3 / 2
		46.62	CN	Connection other than junction at 12 o'clock, 100mm dia	00:12:39		
		47.42	JN	Junction at 2 o'clock, 150mm dia	00:12:54		
		48.88	CCJ	Crack, circumferential at joint from 11 o'clock to 3 o'clock	00:13:12		2 / 2

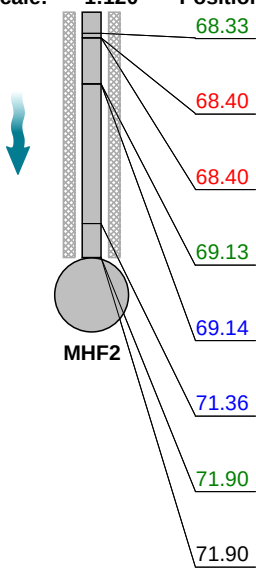
Section Inspection - 25/01/2024 - MHF1X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
1	1	25/01/24	11:02	Not Specified	Rain	No	MHF1X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
DRAINTECH JS		Not Specified		Not Specified	Not Specified	Not Specified	Not Specified

Scale: 1:120	Position [m]	Code	Observation	MPEG	Photo	Grade
	51.21	CLJ	Crack, longitudinal at joint at 9 o'clock	00:13:41		2 / 2
	51.21	CCJ	Crack, circumferential at joint from 8 o'clock to 12 o'clock	00:13:45		2 / 2
	51.97	IR	Infiltration, running at 12 o'clock	00:13:56	12	
	51.97	FLJ	Fracture, longitudinal at joint at 11 o'clock	00:13:59	13	3 / 2
	52.21	CLJ	Crack, longitudinal at joint at 4 o'clock	00:14:09		2 / 2
	56.06	JN	Junction at 2 o'clock, 150mm dia	00:14:48		
	57.51	CSJ	Cracks, spiral at joint from 10 o'clock to 11 o'clock	00:15:04		3 / 2
	57.51	CLJ	Crack, longitudinal at joint at 1 o'clock	00:15:06		2 / 2
	58.22	CSJ	Cracks, spiral at joint from 11 o'clock to 12 o'clock	00:15:18		3 / 2
	58.94	CLJ	Crack, longitudinal at joint at 12 o'clock	00:15:28		2 / 2
	58.94	CLJ	Crack, longitudinal at joint at 10 o'clock	00:15:29		2 / 2
	58.94	CCJ	Crack, circumferential at joint from 8 o'clock to 12 o'clock	00:15:30		2 / 2
	61.37	CLJ	Crack, longitudinal at joint at 10 o'clock	00:15:49		2 / 2
	62.09	CLJ	Crack, longitudinal at joint at 9 o'clock	00:15:58		2 / 2
	66.15	JN	Junction at 2 o'clock, 150mm dia	00:16:29		
	66.97	CC	Crack, circumferential from 11 o'clock to 2 o'clock	00:16:41		2 / 2
	67.14 S02	CLJ	Crack, longitudinal at joint at 12 o'clock, start	00:16:46		
	67.65 F02	CLJ	Crack, longitudinal at joint at 12 o'clock, finish	00:16:58		2 / 2
	67.65	FLJ	Fracture, longitudinal at joint at 12 o'clock	00:16:59	14	3 / 2
	67.65	CCJ	Crack, circumferential at joint from 2 o'clock to 5 o'clock	00:17:22		2 / 2

Section Inspection - 25/01/2024 - MHF1X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
1	1	25/01/24	11:02	Not Specified	Rain	No	MHF1X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
DRAINTECH JS		Not Specified		Not Specified	Not Specified	Not Specified	Not Specified

Scale:	1:120	Position [m]	Code	Observation	MPEG	Photo	Grade
		68.33	RFJ	Roots, fine at joint	00:17:33		2
		68.40	CSJ	Cracks, spiral at joint from 11 o'clock to 12 o'clock	00:17:39		3 / 2
		68.40	FSJ	Fracture, spiral at joint from 12 o'clock to 1 o'clock	00:17:40	15	4 / 2
		69.13	RFJ	Roots, fine at joint	00:17:55		2
		69.14	WL	Water level, 20% of the vertical dimension	00:18:00		
		71.36	WL	Water level, 10% of the vertical dimension	00:18:17		
		71.90	F01 DEG	Attached deposits, grease from 7 o'clock to 5 o'clock, 5% cross-sectional area loss, finish: PATCHY	00:18:29		3
		71.90	MHF	Finish node, manhole, reference: MHF2	00:18:30		
Depth: 1.44 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
41	120.0	14.9	1070.0	4.0	58	8.0	5.0	358.0	4.0

Section Pictures - 25/01/2024 - MHF1X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	MHF1X		18075



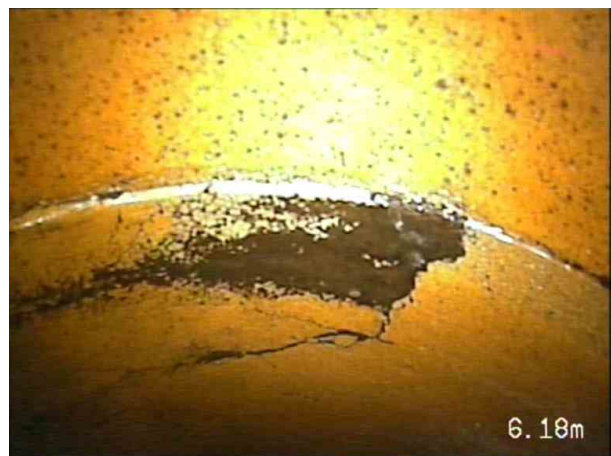
1, 00:00:46, 1.39 m
Fracture, longitudinal at joint at 4 o'clock



2, 00:00:52, 1.39 m
Fracture, longitudinal at joint at 2 o'clock



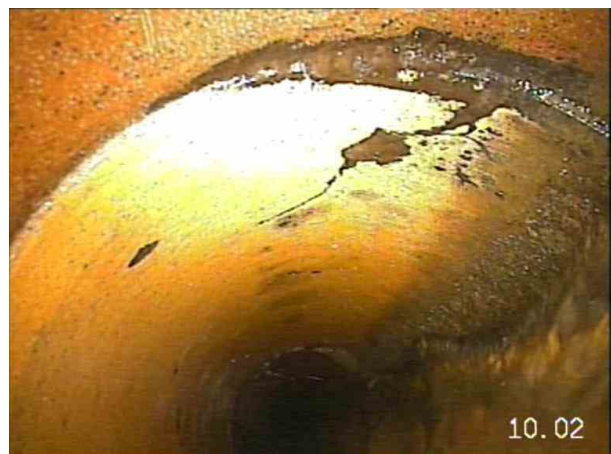
3, 00:01:10, 2.12 m
Fracture, circumferential at joint from 2 o'clock to 4 o'clock



4, 00:02:32, 6.18 m
Fracture, spiral at joint from 8 o'clock to 10 o'clock



5, 00:03:33, 10.02 m
Fracture, longitudinal at joint at 10 o'clock



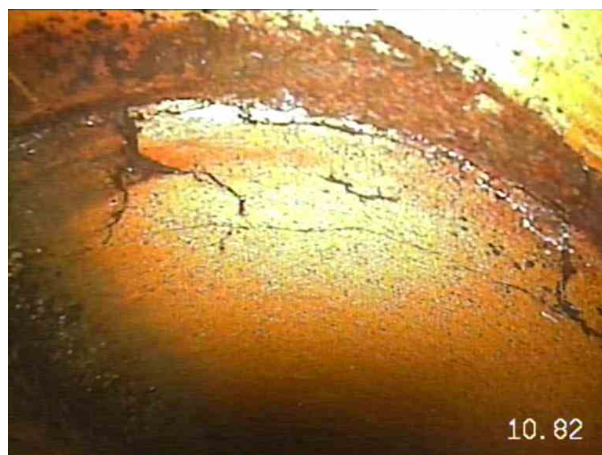
6, 00:03:50, 10.02 m
Fracture, spiral at joint from 1 o'clock to 3 o'clock

Section Pictures - 25/01/2024 - MHF1X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	MHF1X		18075



7, 00:04:14, 10.72 m
Fracture, circumferential at joint from 9 o'clock to 2 o'clock



8, 00:04:26, 10.82 m
Fracture, longitudinal at joint at 9 o'clock



9, 00:05:37, 15.45 m
Fracture, circumferential at joint from 10 o'clock to 2 o'clock



10, 00:10:36, 36.44 m
Fracture, longitudinal at joint at 3 o'clock



11, 00:12:27, 45.79 m
Fracture, longitudinal at joint at 3 o'clock



12, 00:13:56, 51.97 m
Infiltration, running at 12 o'clock

Section Pictures - 25/01/2024 - MHF1X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	MHF1X		18075



13, 00:13:59, 51.97 m
Fracture, longitudinal at joint at 11 o'clock



14, 00:16:59, 67.65 m
Fracture, longitudinal at joint at 12 o'clock



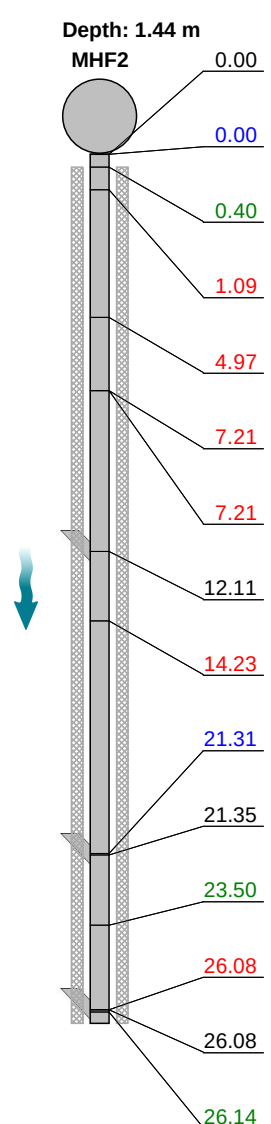
15, 00:17:40, 68.40 m
Fracture, spiral at joint from 12 o'clock to 1 o'clock

Section Inspection - 25/01/2024 - MHF2X

Item No. 2	Insp. No. 1	Date 25/01/24	Time 11:53	Client's Job Ref Not Specified	Weather Rain	Pre Cleaned No	PLR MHF2X
Operator DRAINTECH JS		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

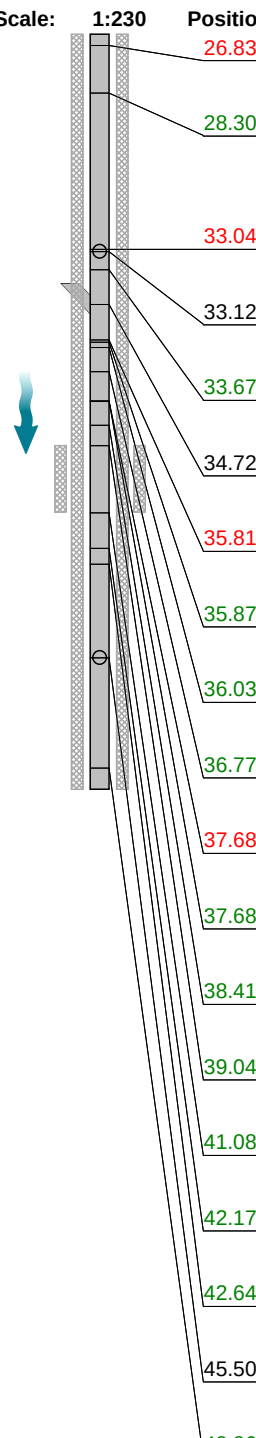
Town or Village:	Cwmgors	Inspection Direction:	Downstream	Upstream Node:	MHF2
Road:	Former Swelco Factory	Inspected Length:	88.84 m	Upstream Pipe Depth:	1.440 m
Location:		Total Length:	88.84 m	Downstream Node:	MHF3
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	225 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:230	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 1.44 m 						
	0.00	MH	Start node, manhole, reference: MHF2	00:00:00		
	0.00	WL	Water level, 10% of the vertical dimension	00:00:08		
	0.40	S01	DEG Attached deposits, grease from 7 o'clock to 5 o'clock, 5% cross-sectional area loss, start	00:00:12		
	1.09	FMJ	Fractures, multiple at joint from 10 o'clock to 1 o'clock	00:00:21	1	4 / 2
	4.97	CCJ	Crack, circumferential at joint from 9 o'clock to 3 o'clock	00:00:58		2 / 2
	7.21	CSJ	Cracks, spiral at joint from 2 o'clock to 3 o'clock	00:01:24		3 / 2
	7.21	FLJ	Fracture, longitudinal at joint at 12 o'clock	00:01:25	2	3 / 2
	12.11	JN	Junction at 2 o'clock, 150mm dia	00:01:58		
	14.23	CSJ	Cracks, spiral at joint from 8 o'clock to 10 o'clock	00:02:12		3 / 2
	21.31	WL	Water level, 5% of the vertical dimension	00:02:57		
	21.35	JN	Junction at 2 o'clock, 150mm dia	00:03:01		
	23.50	RFJ	Roots, fine at joint	00:03:16		2
	26.08	CLJ	Crack, longitudinal at joint at 2 o'clock	00:03:37		2 / 2
	26.08	CN	Connection other than junction at 2 o'clock, 100mm dia	00:03:42		
	26.14	DEF	Attached deposits, fouling from 2 o'clock to 5 o'clock, 5% cross-sectional area loss	00:03:48		3

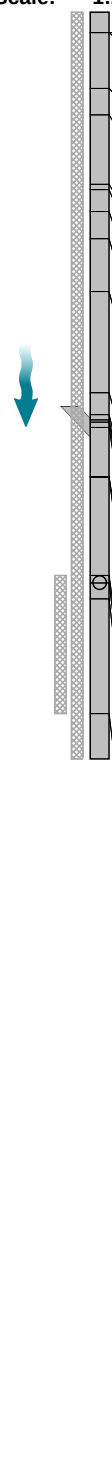
Section Inspection - 25/01/2024 - MHF2X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
2	1	25/01/24	11:53	Not Specified	Rain	No	MHF2X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
DRAINTECH JS		Not Specified		Not Specified	Not Specified	Not Specified	Not Specified

Scale:	1:230	Position [m]	Code	Observation	MPEG	Photo	Grade
		26.83	BJ	Broken pipe at joint from 1 o'clock to 2 o'clock	00:04:00	3	4
		28.30	RFJ	Roots, fine at joint	00:04:25		2
		33.04	CLJ	Crack, longitudinal at joint at 1 o'clock	00:04:59		2 / 2
		33.12	JN	Junction at 12 o'clock, 100mm dia	00:05:04		
		33.67	RFJ	Roots, fine at joint	00:05:12		2
		34.72	JN	Junction at 2 o'clock, 150mm dia	00:05:22		
		35.81	CS	Cracks, spiral from 11 o'clock to 1 o'clock	00:05:46		3 / 2
		35.87	RF	Roots, fine	00:05:50		2
		36.03	RFJ	Roots, fine at joint	00:05:54		2
		36.77	RFJ	Roots, fine at joint	00:06:02		2
		37.68	FSJ	Fracture, spiral at joint from 10 o'clock to 2 o'clock	00:06:18	4	4 / 2
		37.68	RFJ	Roots, fine at joint	00:06:20		2
		38.41	RFJ	Roots, fine at joint	00:06:31		2
		39.04	S02	RF	Roots, fine, start	00:06:39	
		41.08	F02	RF	Roots, fine, finish	00:06:54	2
		42.17	DEEJ	Attached deposits, encrustation at joint at 8 o'clock, 5% cross-sectional area loss	00:07:05		3
		42.64	RF	Roots, fine	00:07:13		2
		45.50	JN	Junction at 12 o'clock, 100mm dia	00:07:36		
		48.86	RF	Roots, fine	00:08:06		2

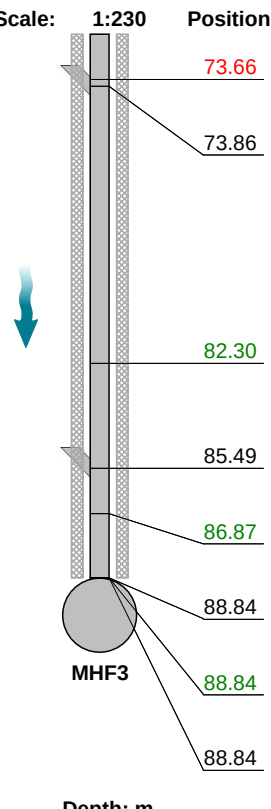
Section Inspection - 25/01/2024 - MHF2X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
2	1	25/01/24	11:53	Not Specified	Rain	No	MHF2X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
DRAINTECH JS		Not Specified		Not Specified	Not Specified	Not Specified	Not Specified

Scale:	1:230	Position [m]	Code	Observation	MPEG	Photo	Grade
		50.14	RFJ	Roots, fine at joint	00:08:18		2
		50.14	FCJ	Fracture, circumferential at joint from 7 o'clock to 2 o'clock	00:08:21	5	3 / 2
		51.84	RFJ	Roots, fine at joint	00:08:44		2
		52.64	RF	Roots, fine	00:09:06		2
		54.75	RFJ	Roots, fine at joint	00:09:23		2
		54.92	BJ	Broken pipe at joint from 8 o'clock to 2 o'clock	00:09:33	6	4
		55.58	RF	Roots, fine	00:09:43		2
		56.41	RFJ	Roots, fine at joint	00:09:51		2
		58.02	RFJ	Roots, fine at joint	00:10:04		2
		61.11	RFJ	Roots, fine at joint	00:10:26		2
		61.77	RF	Roots, fine	00:10:36		2
		61.94	BJ	Broken pipe at joint from 2 o'clock to 4 o'clock	00:10:41	7	4
		62.01	BJ	Broken pipe at joint from 11 o'clock to 4 o'clock	00:10:50	8	4
		62.16	JN	Junction at 2 o'clock, 150mm dia	00:10:57		
		63.65	DEEJ	Attached deposits, encrustation at joint from 4 o'clock to 5 o'clock, 5% cross-sectional area loss	00:11:14		3
		63.68	RF	Roots, fine	00:11:19		2
		66.66	S03 RF	Roots, fine, start	00:11:43		
		66.89	JN	Junction at 12 o'clock, 100mm dia	00:11:49		
		67.39	RM	Roots, mass, 10% cross-sectional area loss	00:11:58	9	3
		70.87	F03 RF	Roots, fine, finish	00:12:35		2

Section Inspection - 25/01/2024 - MHF2X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
2	1	25/01/24	11:53	Not Specified	Rain	No	MHF2X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
DRAINTECH JS		Not Specified		Not Specified	Not Specified	Not Specified	Not Specified

Scale:	1:230	Position [m]	Code	Observation	MPEG	Photo	Grade
		73.66	BJ	Broken pipe at joint from 2 o'clock to 5 o'clock	00:12:56	10	4
		73.86	JN	Junction at 2 o'clock, 100mm dia	00:13:05		
		82.30	RTJ	Roots, tap at joint	00:13:55		4
		85.49	JN	Junction at 2 o'clock, 100mm dia	00:14:18		
		86.87	IRJ	Infiltration, running at joint at 9 o'clock	00:14:29	11	
		88.84	JN	Junction at 6 o'clock, 225mm dia	00:14:52		
		88.84	F01	DEG Attached deposits, grease from 7 o'clock to 5 o'clock, 5% cross-sectional area loss, finish	00:14:54		3
		88.84	OCF	Finish node, other special chamber, reference: MHF3: MADE IT TO BACK DROP	00:14:55		
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
15	80.0	8.9	790.0	4.0	38	9.0	4.6	409.0	4.0

Section Pictures - 25/01/2024 - MHF2X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Downstream	MHF2X		18075



1, 00:00:21, 1.09 m
Fractures, multiple at joint from 10 o'clock to 1 o'clock



2, 00:01:25, 7.21 m
Fracture, longitudinal at joint at 12 o'clock



3, 00:04:00, 26.83 m
Broken pipe at joint from 1 o'clock to 2 o'clock



4, 00:06:18, 37.68 m
Fracture, spiral at joint from 10 o'clock to 2 o'clock



5, 00:08:21, 50.14 m
Fracture, circumferential at joint from 7 o'clock to 2 o'clock



6, 00:09:33, 54.92 m
Broken pipe at joint from 8 o'clock to 2 o'clock

Section Pictures - 25/01/2024 - MHF2X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Downstream	MHF2X		18075



7, 00:10:41, 61.94 m
Broken pipe at joint from 2 o'clock to 4 o'clock



8, 00:10:50, 62.01 m
Broken pipe at joint from 11 o'clock to 4 o'clock



9, 00:11:58, 67.39 m
Roots, mass, 10% cross-sectional area loss



10, 00:12:56, 73.66 m
Broken pipe at joint from 2 o'clock to 5 o'clock

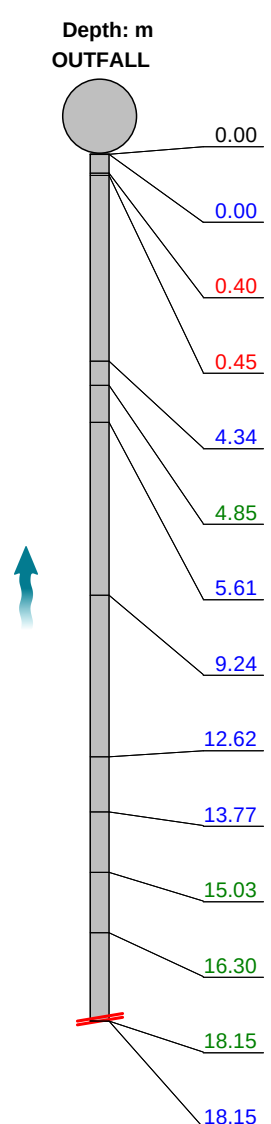


11, 00:14:29, 86.87 m
Infiltration, running at joint at 9 o'clock

Section Inspection - 25/01/2024 - MHS1X

Item No. 3	Insp. No. 1	Date 25/01/24	Time 13:25	Client's Job Ref Not Specified	Weather Rain	Pre Cleaned No	PLR MHS1X
Operator DRAINTECH JS		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Cwmgors	Inspection Direction:	Upstream	Upstream Node:	MHS1
Road:	Former Swelco Factory	Inspected Length:	18.15 m	Upstream Pipe Depth:	
Location:		Total Length:	18.15 m	Downstream Node:	OUTFALL
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	225 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		
Comments:	MHS1 - UTL - UNABLE TO LOCATE				
Recommendations:					

Scale: 1:158	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m OUTFALL 						
	0.00	OF	Start node, outfall, reference: OUTFALL	00:00:00		
	0.00	WL	Water level, 10% of the vertical dimension	00:00:08		
	0.40	CL	Crack, longitudinal at 12 o'clock	00:00:17		2 / 2
	0.45	CMJ	Cracks, multiple at joint from 10 o'clock to 3 o'clock	00:00:25	1	3 / 2
	4.34	WL	Water level, 5% of the vertical dimension	00:01:03		
	4.85	DER	Settled deposits, coarse, 5% cross-sectional area loss	00:01:10		3
	5.61	WL	Water level, 10% of the vertical dimension	00:01:19		
	9.24	WL	Water level, 5% of the vertical dimension	00:01:44		
	12.62	WL	Water level, 10% of the vertical dimension	00:02:21		
	13.77	WL	Water level, 20% of the vertical dimension	00:02:32		
	15.03	RFJ	Roots, fine at joint	00:02:43		2
	16.30	RF	Roots, fine	00:02:55		2
	18.15	RM	Roots, mass, 15% cross-sectional area loss: UNDER FLOW	00:04:01		3
	18.15	SA	Survey abandoned: UNABLE TO GET THROUGH ROOTS. ROOT CUTTER REQUIRED	00:04:03		

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
2	50.0	2.8	50.0	3.0	6	4.0	0.6	10.0	3.0

Section Pictures - 25/01/2024 - MHS1X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
3	Upstream	MHS1X		18075



1, 00:00:25, 0.45 m

Cracks, multiple at joint from 10 o'clock to 3 o'clock