



Project

Project Name: Greenfield School, Merthyr Tydfil

Project Description: Greenfield School

Project Date: 09/04/2021

Inspection Standard: MSCC5 Sewers & Drainage GB (SRM5 Scoring)



Cyngor Bwrdeistref Sirol
MERTHYR TUDFUL

MERTHYR TYDFIL
County Borough Council

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Greenfield School, Merthyr Tydfil		09/04/2021

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Project Information

Project Name	Project Number	Project Date
Greenfield School, Merthyr Tydfil		09/04/2021

Client

Company: Merthyr Tydfil CBC
Contact: Alun Roberts
Department: Civic Centre
Street: Castle Street
Town or City: Merthyr Tydfil
County: Merthyr
Post Code: CF47 8AN
Phone: 01685 725000
Email: Alun.Roberts@merthyr.gov.uk



Cyngor Bwrdeistref Sirol
MERTHYR TYDFIL
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Contractor

Company: Alpine Land Surveyors Ltd.
Contact: J. Price
Department: Suite 7, Tower Business Centre,
Street: Hirwaun Industrial Estate
Town or City: Hirwaun
County: R.C.T
Post Code: CF44 9UP
Phone: 01685814544
Mobile: 07980404208
Email: j.price@alpinelandsurveyors.co.uk



Scoring Summary

Project Name
Greenfield School, Merthyr Tydfil

Project Number

Project Date
09/04/2021

Structural Defects

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

Grade 4: Best practice suggests consideration should be given to repairs to avoid a potential collapse.

Grade 5: Best practice suggests that this pipe is at risk of collapse at any time. Urgent consideration should be given to repairs to avoid total failure.

Section	PLR	Grade	Description
7	MH4X	4	Hole in drain or sewer at joint at 12 o'clock
13	MH7X	3	Cracks, multiple from 3 o'clock to 9 o'clock
18	S7X	3	Cracks, multiple at joint from 12 o'clock to 12 o'clock
23	S14X	4	Hole in drain or sewer from 11 o'clock to 1 o'clock

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
4	S19X	3	Settled deposits, coarse, 5% cross-sectional area loss, finish
7	MH4X	2	Multiple defects
8	MH5X	3	Multiple defects
14	S3X	4	Joint displaced, large
15	S4X	3	Settled deposits, coarse, 10% cross-sectional area loss, finish
16	S5X	3	Multiple defects
18	S7X	3	Multiple defects
23	S14X	3	Settled deposits, coarse, 5% cross-sectional area loss, finish
24	S15X	2	Crack, circumferential from 9 o'clock to 2 o'clock

Abandoned Surveys

Section	PLR	Description
11	S1X	Survey abandoned
12	S2X	Survey abandoned
14	S3X	Survey abandoned
15	S4X	Survey abandoned
17	S6X	Survey abandoned
18	S7X	Survey abandoned
25	S16X	Survey abandoned

Scoring Summary

Project Name	Project Number	Project Date
Greenfield School, Merthyr Tydfil		09/04/2021

Information

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

Section Profile

Project Name
Greenfield School, Merthyr Tydfil

Project Number

Project Date
09/04/2021

Circular, 100 mm

Section	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
7	MH4	MH5	09/04/2021		Vitrified clay	11.30 m	11.30 m
8	MH5	MH5A	09/04/2021		Vitrified clay	31.50 m	31.50 m
9	MH6	MH7	09/04/2021		Vitrified clay	1.20 m	1.20 m
10	US	MH6	09/04/2021		Vitrified clay	1.80 m	1.80 m
13	MH7	MH7A	09/04/2021		Vitrified clay	3.40 m	3.40 m
16	S5	MH7	09/04/2021		Vitrified clay	4.10 m	4.10 m
22	S13	MH5	09/04/2021		Vitrified clay	5.60 m	5.60 m
23	S14	MH5	09/04/2021		Vitrified clay	2.60 m	2.60 m
24	S15	MH5	09/04/2021		Vitrified clay	0.40 m	0.40 m

Total: 9 Inspections x Circular 100 mm = 61.90 m Total Length and 61.90 m Inspected Length

Circular, 150 mm

Section	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
2	S17	MH1	09/04/2021		Polyvinyl chloride	2.00 m	2.00 m
3	S18	MH1	09/04/2021		Polyvinyl chloride	10.70 m	10.70 m
4	S19	MH1	09/04/2021		Polyvinyl chloride	16.50 m	16.50 m
6	S11	MH3	09/04/2021		Polyvinyl chloride	11.90 m	11.90 m
20	S9	MH8	09/04/2021		Polyvinyl chloride	2.40 m	2.40 m
21	S10	MH8	09/04/2021		Polyvinyl chloride	5.00 m	5.00 m

Total: 6 Inspections x Circular 150 mm = 48.50 m Total Length and 48.50 m Inspected Length

Circular, 225 mm

Section	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
1	MH1	MH2	09/04/2021		Polyvinyl chloride	28.00 m	27.70 m
5	MH8	MH3	09/04/2021		Polyvinyl chloride	12.50 m	12.50 m

Total: 2 Inspections x Circular 225 mm = 40.50 m Total Length and 40.20 m Inspected Length

Total: 17 Inspections = 150.90 m Total Length and 150.60 m Inspected Length

Section Summary

Project Name Greenfield School, Merthyr Tydfil	Project Number	Project Date 09/04/2021
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Number of sections	24
Total length of sewer network	173.60 m
Total length of inspections	173.30 m
Total length of abandoned inspections	0.00 m
Total abandoned inspections	7
Number of section inspection photos	94
Number of section inspection videos	24
Number of section inspection scans	0
Number of section inclination measurements	0

PLR:	MH1X	Upstream Node:	MH1
Inspection Direction:	Downstream	Downstream Node:	MH2
Inspected Length:	27.70 m	Dia/Height:	225 mm
Total Length:	28.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	WL	Water level, 0% of the vertical dimension
2	0.00	MH	Start node type, manhole, reference number: MH1
3	0.00	WL	Water level, 0% of the vertical dimension
4	1.90	WL	Water level, 5% of the vertical dimension
5	5.80	WL	Water level, 0% of the vertical dimension
6	7.90	WL	Water level, 5% of the vertical dimension
7	11.60	WL	Water level, 0% of the vertical dimension
8	15.50	WL	Water level, 5% of the vertical dimension
9	21.90	WL	Water level, 5% of the vertical dimension
10	25.90	WL	Water level, 0% of the vertical dimension
11	26.10	LD	Line deviates down
12	27.70	MHF	Finish node type, manhole, reference number: MH2

PLR:	S17X	Upstream Node:	S17
Inspection Direction:	Upstream	Downstream Node:	MH1
Inspected Length:	2.00 m	Dia/Height:	150 mm
Total Length:	2.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	WL	Water level, 0% of the vertical dimension
2	0.00	MH	Start node type, manhole, reference number: MH1
3	1.20	JN	Junction at 3 o'clock, diameter: 150mm
4	2.00	GYF	Finish node type, gully, reference number: S17

Section Summary

Project Name Greenfield School, Merthyr Tydfil	Project Number	Project Date 09/04/2021
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PLR:	S18X	Upstream Node:	S18
Inspection Direction:	Upstream	Downstream Node:	MH1
Inspected Length:	10.70 m	Dia/Height:	150 mm
Total Length:	10.70 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	WL	Water level, 0% of the vertical dimension
2	0.00	MH	Start node type, manhole, reference number: MH1
3	6.70	LL	Line deviates left
4	10.70	GYF	Finish node type, gully, reference number: S18

PLR:	S19X	Upstream Node:	S19
Inspection Direction:	Upstream	Downstream Node:	MH1
Inspected Length:	16.50 m	Dia/Height:	150 mm
Total Length:	16.50 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	WL	Water level, 0% of the vertical dimension
2	0.00	MH	Start node type, manhole, reference number: MH1
3	2.70	SCO	Shape changes to oval, new size(s), 130mm high, 180mm wide
4	3.00	WL	Water level, 5% of the vertical dimension
5	3.80	WL	Water level, 0% of the vertical dimension
6	6.90	LU	Line deviates up
7	7.50	LD	Line deviates down
8	7.50	JN	Junction at 9 o'clock, diameter: 150mm
9	8.00	DER	Settled deposits, coarse, 10% cross-sectional area loss, start
10	9.90	DER	Settled deposits, coarse, 5% cross-sectional area loss, finish
11	10.75	JN	Junction at 3 o'clock, diameter: 150mm
12	12.50	LR	Line deviates right
13	16.50	GYF	Finish node type, gully, reference number: S19

PLR:	MH8X	Upstream Node:	MH8
Inspection Direction:	Upstream	Downstream Node:	MH3
Inspected Length:	12.50 m	Dia/Height:	225 mm
Total Length:	12.50 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	WL	Water level, 0% of the vertical dimension
2	0.00	MH	Start node type, manhole, reference number: MH3
3	1.80	WL	Water level, 5% of the vertical dimension
4	2.70	WL	Water level, 0% of the vertical dimension
5	12.50	WL	Water level, 5% of the vertical dimension

PLR:	S11X	Upstream Node:	S11
Inspection Direction:	Upstream	Downstream Node:	MH3
Inspected Length:	11.90 m	Dia/Height:	150 mm
Total Length:	11.90 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	WL	Water level, 0% of the vertical dimension

Section Summary

Project Name Greenfield School, Merthyr Tydfil	Project Number	Project Date 09/04/2021
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No.	m+	Code	Observation
2	0.00	MH	Start node type, manhole, reference number: MH3
3	5.70	LR	Line deviates right
4	6.20	LD	Line deviates down
5	11.90	GYF	Finish node type, gully, reference number: S11

PLR:	MH4X	Upstream Node:	MH4
Inspection Direction:	Downstream	Downstream Node:	MH5
Inspected Length:	11.30 m	Dia/Height:	100 mm
Total Length:	11.30 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	WL	Water level, 0% of the vertical dimension
2	0.00	MH	Start node type, manhole, reference number: MH4
3	2.20	CN	Connection other than junction at 2 o'clock, diameter: 100mm
4	2.20	HJ	Hole in drain or sewer at joint at 12 o'clock
5	2.30	CC	Crack, circumferential from 4 o'clock to 11 o'clock
6	3.80	JN	Junction at 12 o'clock, diameter: 100mm
7	4.80	LR	Line deviates right
8	7.80	JN	Junction at 3 o'clock, diameter: 100mm
9	8.90	CC	Crack, circumferential from 12 o'clock to 12 o'clock
10	9.70	CCJ	Crack, circumferential at joint from 9 o'clock to 4 o'clock
11	11.30	MHF	Finish node type, manhole, reference number: 0

PLR:	MH5X	Upstream Node:	MH5
Inspection Direction:	Upstream	Downstream Node:	MH5A
Inspected Length:	31.50 m	Dia/Height:	100 mm
Total Length:	31.50 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	WL	Water level, 0% of the vertical dimension
2	0.00	MH	Start node type, manhole, reference number: MH5A
3	6.30	CN	Connection other than junction at 3 o'clock, diameter: 100mm
4	7.00	JDM	Joint displaced, medium
5	7.50	JN	Junction at 3 o'clock, diameter: 100mm
6	8.00	JDM	Joint displaced, medium
7	8.30	DER	Settled deposits, coarse, 10% cross-sectional area loss, start
8	8.50	JN	Junction at 9 o'clock, diameter: 100mm
9	12.70	DER	Settled deposits, coarse, 10% cross-sectional area loss, finish
10	15.10	CC	Crack, circumferential from 12 o'clock to 12 o'clock
11	16.10	JDM	Joint displaced, medium
12	18.50	JN	Junction at 3 o'clock, diameter: 100mm
13	20.70	JN	Junction at 9 o'clock, diameter: 100mm
14	21.00	JN	Junction at 3 o'clock, diameter: 100mm
15	26.50	JN	Junction at 3 o'clock, diameter: 100mm
16	27.80	JXD	Junction, damaged at 9 o'clock, diameter: 100mm
17	31.50	MHF	Finish node type, manhole, reference number: MH5

Section Summary

Project Name Greenfield School, Merthyr Tydfil	Project Number	Project Date 09/04/2021
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PLR:	MH6X	Upstream Node:	MH6
Inspection Direction:	Downstream	Downstream Node:	MH7
Inspected Length:	1.20 m	Dia/Height:	100 mm
Total Length:	1.20 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	WL	Water level, 0% of the vertical dimension
2	0.00	MH	Start node type, manhole, reference number: MH6
3	1.20	MHF	Finish node type, manhole, reference number: MH7

PLR:	USX	Upstream Node:	US
Inspection Direction:	Upstream	Downstream Node:	MH6
Inspected Length:	1.80 m	Dia/Height:	100 mm
Total Length:	1.80 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	WL	Water level, 0% of the vertical dimension
2	0.00	MH	Start node type, manhole, reference number: MH6
3	1.50	LR	Line deviates right
4	1.80	GYF	Finish node type, gully, reference number: US

PLR:	S1X	Upstream Node:	S1
Inspection Direction:	Upstream	Downstream Node:	MH6
Inspected Length:	1.50 m	Dia/Height:	100 mm
Total Length:	1.50 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	WL	Water level, 0% of the vertical dimension
2	0.00	MH	Start node type, manhole, reference number: MH6
3	0.30	LL	Line deviates left
4	1.00	LU	Line deviates up
5	1.50	SA	Survey abandoned

PLR:	S2X	Upstream Node:	S2
Inspection Direction:	Upstream	Downstream Node:	MH6
Inspected Length:	1.80 m	Dia/Height:	100 mm
Total Length:	1.80 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	WL	Water level, 0% of the vertical dimension
2	0.00	MH	Start node type, manhole, reference number: MH6
3	1.20	LU	Line deviates up
4	1.80	SA	Survey abandoned

PLR:	MH7X	Upstream Node:	MH7
Inspection Direction:	Downstream	Downstream Node:	MH7A
Inspected Length:	3.40 m	Dia/Height:	100 mm
Total Length:	3.40 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	WL	Water level, 0% of the vertical dimension
2	0.00	MH	Start node type, manhole, reference number: MH7

Section Summary

Project Name Greenfield School, Merthyr Tydfil	Project Number	Project Date 09/04/2021
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No.	m+	Code	Observation
3	0.00	CM	Cracks, multiple from 3 o'clock to 9 o'clock
4	3.40	MHF	Finish node type, manhole, reference number: MH7A

PLR:	S3X	Upstream Node:	S3
Inspection Direction:	Upstream	Downstream Node:	MH7
Inspected Length:	3.40 m	Dia/Height:	100 mm
Total Length:	3.40 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	WL	Water level, 0% of the vertical dimension
2	0.00	MH	Start node type, manhole, reference number: MH7
3	0.20	LL	Line deviates left
4	2.40	JN	Junction at 9 o'clock, diameter: 100mm
5	3.40	JDL	Joint displaced, large
6	3.40	SA	Survey abandoned

PLR:	S4X	Upstream Node:	S4
Inspection Direction:	Upstream	Downstream Node:	MH7
Inspected Length:	2.50 m	Dia/Height:	100 mm
Total Length:	2.50 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	WL	Water level, 0% of the vertical dimension
2	0.00	MH	Start node type, manhole, reference number: MH7
3	0.67	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock
4	1.10	DER	Settled deposits, coarse, 10% cross-sectional area loss, start
5	2.20	DER	Settled deposits, coarse, 10% cross-sectional area loss, finish
6	2.50	SA	Survey abandoned

PLR:	S5X	Upstream Node:	S5
Inspection Direction:	Upstream	Downstream Node:	MH7
Inspected Length:	4.10 m	Dia/Height:	100 mm
Total Length:	4.10 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	WL	Water level, 0% of the vertical dimension
2	0.00	MH	Start node type, manhole, reference number: MH7
3	0.90	CCJ	Crack, circumferential at joint from 11 o'clock to 2 o'clock
4	1.60	DER	Settled deposits, coarse, 10% cross-sectional area loss, start
5	1.80	JN	Junction at 11 o'clock, diameter: 100mm
6	2.00	DER	Settled deposits, coarse, 10% cross-sectional area loss, finish
7	4.00	JDM	Joint displaced, medium
8	4.10	GYF	Finish node type, gully, reference number: S5

PLR:	S6X	Upstream Node:	S6
Inspection Direction:	Upstream	Downstream Node:	MH7
Inspected Length:	2.10 m	Dia/Height:	100 mm
Total Length:	2.10 m	Material:	Vitrified clay

Section Summary

Project Name Greenfield School, Merthyr Tydfil	Project Number	Project Date 09/04/2021
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No.	m+	Code	Observation
1	0.00	WL	Water level, 0% of the vertical dimension
2	0.00	MH	Start node type, manhole, reference number: MH7
3	1.80	LU	Line deviates up
4	2.10	SA	Survey abandoned

PLR:	S7X	Upstream Node:	S7
Inspection Direction:	Upstream	Downstream Node:	MH7
Inspected Length:	10.00 m	Dia/Height:	100 mm
Total Length:	10.00 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	WL	Water level, 0% of the vertical dimension
2	0.00	MH	Start node type, manhole, reference number: MH7
3	0.80	DER	Settled deposits, coarse, 5% cross-sectional area loss, start
4	4.40	DER	Settled deposits, coarse, 5% cross-sectional area loss, finish
5	7.50	DER	Settled deposits, coarse, 5% cross-sectional area loss, start
6	8.50	DER	Settled deposits, coarse, 5% cross-sectional area loss, finish
7	9.60	DER	Settled deposits, coarse, 5% cross-sectional area loss, start
8	10.00	CMJ	Cracks, multiple at joint from 12 o'clock to 12 o'clock
9	10.00	DER	Settled deposits, coarse, 5% cross-sectional area loss, finish
10	10.00	SA	Survey abandoned

PLR:	S9X	Upstream Node:	S9
Inspection Direction:	Upstream	Downstream Node:	MH8
Inspected Length:	2.40 m	Dia/Height:	150 mm
Total Length:	2.40 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	WL	Water level, 0% of the vertical dimension
2	0.00	MH	Start node type, manhole, reference number: MH8
3	2.40	GYF	Finish node type, gully, reference number: S9

PLR:	S10X	Upstream Node:	S10
Inspection Direction:	Upstream	Downstream Node:	MH8
Inspected Length:	5.00 m	Dia/Height:	150 mm
Total Length:	5.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	WL	Water level, 0% of the vertical dimension
2	0.00	MH	Start node type, manhole, reference number: MH8
3	3.00	D	Deformed sewer or drain, 5%
4	5.00	GYF	Finish node type, gully, reference number: S10

PLR:	S13X	Upstream Node:	S13
Inspection Direction:	Upstream	Downstream Node:	MH5
Inspected Length:	5.60 m	Dia/Height:	100 mm
Total Length:	5.60 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH5

Section Summary

Project Name Greenfield School, Merthyr Tydfil	Project Number	Project Date 09/04/2021
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No.	m+	Code	Observation
2	0.00	WL	Water level, 0% of the vertical dimension
3	4.50	LR	Line deviates right
4	5.00	LL	Line deviates left
5	5.60	REM	General remark

PLR:	S14X	Upstream Node:	S14
Inspection Direction:	Upstream	Downstream Node:	MH5
Inspected Length:	2.60 m	Dia/Height:	100 mm
Total Length:	2.60 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	WL	Water level, 0% of the vertical dimension
2	0.00	MH	Start node type, manhole, reference number: MH5
3	0.80	DER	Settled deposits, coarse, 5% cross-sectional area loss, start
4	1.70	H	Hole in drain or sewer from 11 o'clock to 1 o'clock
5	2.60	DER	Settled deposits, coarse, 5% cross-sectional area loss, finish
6	2.60	GYF	Finish node type, gully, reference number: S14

PLR:	S15X	Upstream Node:	S15
Inspection Direction:	Upstream	Downstream Node:	MH5
Inspected Length:	0.40 m	Dia/Height:	100 mm
Total Length:	0.40 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	WL	Water level, 0% of the vertical dimension
2	0.00	MH	Start node type, manhole, reference number: MH5
3	0.30	CC	Crack, circumferential from 9 o'clock to 2 o'clock
4	0.40	GYF	Finish node type, gully, reference number: S15

PLR:	S16X	Upstream Node:	S16
Inspection Direction:	Upstream	Downstream Node:	MH5
Inspected Length:	1.40 m	Dia/Height:	100 mm
Total Length:	1.40 m	Material:	Vitrified clay

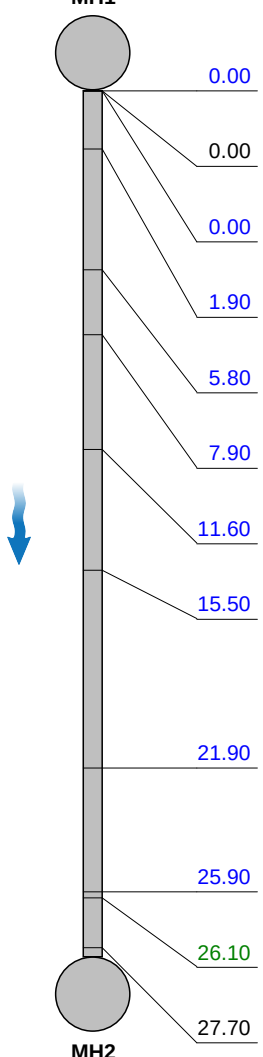
No.	m+	Code	Observation
1	0.00	WL	Water level, 0% of the vertical dimension
2	0.00	MH	Start node type, manhole, reference number: MH5
3	1.00	LU	Line deviates up
4	1.40	SA	Survey abandoned

Section Inspection - 09/04/2021 - MH1X

Section 1	Inspection 1	Date 09/04/21	Time 9:20	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR MH1X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:		Inspection Direction: Downstream		Upstream Node: MH1	
Road:		Inspected Length: 27.70 m		Upstream Pipe Depth: 1.230 m	
Location:		Total Length: 28.00 m		Downstream Node: MH2	
Surface Type: Asphalt Highway		Joint Length: 0.00 m		Downstream Pipe Depth: 2.200 m	
Use: Surface water		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 225 mm			
Year Constructed:		Material: Polyvinyl chloride			
Flow Control: No flow control		Lining Type: No Lining			
Inspection Purpose: Routine inspection		Lining Material: No Lining			

Comments:
Recommendations:

Scale: 1:244	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 1.23 m MH1 						
	0.00	WL	Water level, 0% of the vertical dimension			
	0.00	MH	Start node type, manhole, reference number: MH1	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension	00:02:46		
	1.90	WL	Water level, 5% of the vertical dimension	00:00:13	MH1X_f96 da183-a2d f-487f-bae	
	5.80	WL	Water level, 0% of the vertical dimension	00:00:47	MH1X_dfd 13ff8-0cdb -43a4-b75	
	7.90	WL	Water level, 5% of the vertical dimension	00:00:58	MH1X_ae 0f5811-28 54-468b-a	
	11.60	WL	Water level, 0% of the vertical dimension	00:01:14		
	15.50	WL	Water level, 5% of the vertical dimension	00:01:32	MH1X_25 1f051c-3b a5-4938-8	
	21.90	WL	Water level, 5% of the vertical dimension	00:02:50	MH1X_e5 6bb6df-64 9e-4fa0-89	
	25.90	WL	Water level, 0% of the vertical dimension	00:03:05	MH1X_0b 20c898-ea f4-4eb6-b4	
	26.10	LD	Line deviates down	00:03:08	MH1X_80 bbb0b6-74 e0-48e5-8f	
	27.70	MHF	Finish node type, manhole, reference number: MH2	00:03:18	MH1X_b2 85c35b-7e d8-4069-a	
Depth: 2.20 m MH2						

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 - 09/04/2021 - MH1X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	MH1X		ALS 3816



MH1X_f96da183-a2df-487f-bae7-30318694c6ec_20210409_1
05429_003.jpg, 00:00:13, 1.90 m
Water level, 5% of the vertical dimension



MH1X_dfd13ff8-0cdb-43a4-b758-b8a06526be58_20210409_1
05537_208.jpg, 00:00:47, 5.80 m
Water level, 0% of the vertical dimension



MH1X_ae0f5811-2854-468b-a1bd-668774410336_20210409_1
105703_096.jpg, 00:00:58, 7.90 m
Water level, 5% of the vertical dimension



MH1X_251f051c-3ba5-4938-850a-062b869e1f1f_20210409_1
05824_237.jpg, 00:01:32, 15.50 m
Water level, 5% of the vertical dimension

Section Pictures - 09/04/2021 - MH1X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	MH1X		ALS 3816



MH1X_e56bb6df-649e-4fa0-898d-a6186d770c44_20210409_110024_969.jpg, 00:02:50, 21.90 m
Water level, 5% of the vertical dimension



MH1X_0b20c898-eaf4-4eb6-b407-67ab085efb9c_20210409_110102_815.jpg, 00:03:05, 25.90 m
Water level, 0% of the vertical dimension



MH1X_80bbb0b6-74e0-48e5-8f15-96d0218fb9a5_20210409_110136_624.jpg, 00:03:08, 26.10 m
Line deviates down



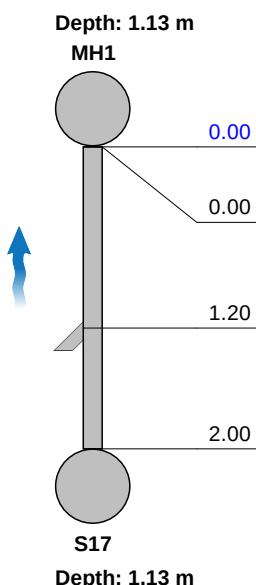
MH1X_b285c35b-7ed8-4069-ab9d-096be5e741c9_20210409_110215_049.jpg, 00:03:18, 27.70 m
Finish node type, manhole, reference number: MH2

Section Inspection - 09/04/2021 - S17X

Section 2	Inspection 1	Date 09/04/21	Time 9:32	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR S17X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:		Inspection Direction: Upstream		Upstream Node: S17	
Road:		Inspected Length: 2.00 m		Upstream Pipe Depth: 1.130 m	
Location:		Total Length: 2.00 m		Downstream Node: MH1	
Surface Type: Asphalt Highway		Joint Length: 0.00 m		Downstream Pipe Depth: 1.130 m	
Use: Surface water		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 150 mm			
Year Constructed:		Material: Polyvinyl chloride			
Flow Control: No flow control		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	WL	Water level, 0% of the vertical dimension			
	0.00	MH	Start node type, manhole, reference number: MH1	00:00:00		
	1.20	JN	Junction at 3 o'clock, diameter: 150mm	00:00:27	S17X_089 b7654-ac5 4-43b0-a9	
	2.00	GYF	Finish node type, gully, reference number: S17	00:00:34	S17X_769 ef3f8-d217 -4f46-986e	

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	0	0.0	0.0	0.0	1.0

Section Pictures - 09/04/2021 - S17X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Upstream	S17X		ALS 3816



S17X_089b7654-ac54-43b0-a985-7d4709dd27fd_20210409_111310_415.jpg, 00:00:27, 1.20 m
Junction at 3 o'clock, diameter: 150mm



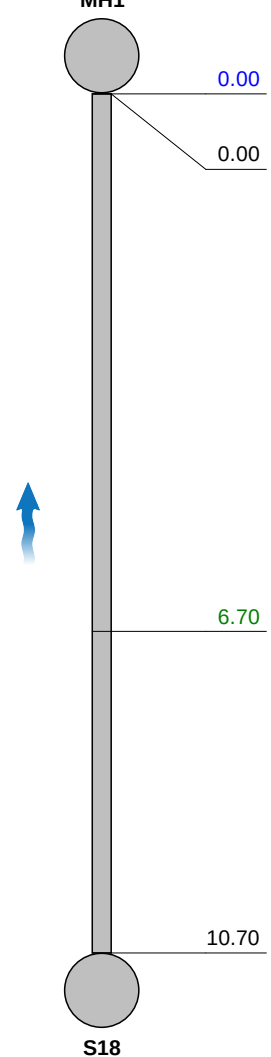
S17X_769ef3f8-d217-4f46-986e-247e8d287586_20210409_111403_878.jpg, 00:00:34, 2.00 m
Finish node type, gully, reference number: S17

Section Inspection - 09/04/2021 - S18X

Section 3	Inspection 1	Date 09/04/21	Time 9:34	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR S18X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:		Inspection Direction: Upstream		Upstream Node: S18	
Road:		Inspected Length: 10.70 m		Upstream Pipe Depth:	
Location:		Total Length: 10.70 m		Downstream Node: MH1	
Surface Type: Asphalt Highway		Joint Length: 0.00 m		Downstream Pipe Depth: 1.140 m	
Use: Surface water		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 150 mm			
Year Constructed:		Material: Polyvinyl chloride			
Flow Control: No flow control		Lining Type: No Lining			
Inspection Purpose: Routine inspection		Lining Material: No Lining			

Comments:
Recommendations:

Scale:	1:94	Position [m]	Code	Observation	MPEG	Photo	Grade																
Depth: 1.14 m MH1  0.00 0.00 6.70 10.70 S18 Depth: m <table><tr><td>WL</td><td>Water level, 0% of the vertical dimension</td><td></td><td></td></tr><tr><td>MH</td><td>Start node type, manhole, reference number: MH1</td><td>00:00:00</td><td></td></tr><tr><td>LL</td><td>Line deviates left</td><td>00:00:37</td><td>S18X_91c a7592-87f 6-4824-83</td></tr><tr><td>GYF</td><td>Finish node type, gully, reference number: S18</td><td>00:01:02</td><td>S18X_558 a6820-ffa2 -49d5-b89</td></tr></table>								WL	Water level, 0% of the vertical dimension			MH	Start node type, manhole, reference number: MH1	00:00:00		LL	Line deviates left	00:00:37	S18X_91c a7592-87f 6-4824-83	GYF	Finish node type, gully, reference number: S18	00:01:02	S18X_558 a6820-ffa2 -49d5-b89
WL	Water level, 0% of the vertical dimension																						
MH	Start node type, manhole, reference number: MH1	00:00:00																					
LL	Line deviates left	00:00:37	S18X_91c a7592-87f 6-4824-83																				
GYF	Finish node type, gully, reference number: S18	00:01:02	S18X_558 a6820-ffa2 -49d5-b89																				

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 - 09/04/2021 - S18X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
3	Upstream	S18X		ALS 3816



S18X_91ca7592-87f6-4824-8366-25d00cf2e490_20210409_11546_054.jpg, 00:00:37, 6.70 m
Line deviates left



S18X_3237d3fb-c1ef-4f8b-88a7-18ec8fdef0ef_20210409_111551_334.jpg, 00:00:37, 6.70 m
Line deviates left



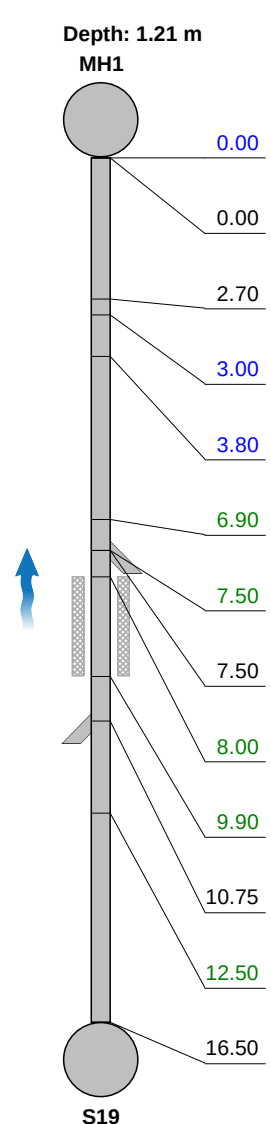
S18X_558a6820-ffa2-49d5-b89e-17a486da2022_20210409_111721_464.jpg, 00:01:02, 10.70 m
Finish node type, gully, reference number: S18

Section Inspection - 09/04/2021 - S19X

Section 4	Inspection 1	Date 09/04/21	Time 9:35	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR S19X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:		Inspection Direction: Upstream		Upstream Node: S19	
Road:		Inspected Length: 16.50 m		Upstream Pipe Depth:	
Location:		Total Length: 16.50 m		Downstream Node: MH1	
Surface Type: Asphalt Highway		Joint Length: 0.00 m		Downstream Pipe Depth: 1.210 m	
Use: Surface water		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 150 mm			
Year Constructed:		Material: Polyvinyl chloride			
Flow Control: No flow control		Lining Type: No Lining			
Inspection Purpose: Routine inspection		Lining Material: No Lining			

Comments:
Recommendations:

Scale: 1:144	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	WL	Water level, 0% of the vertical dimension			
	0.00	MH	Start node type, manhole, reference number: MH1	00:00:00		
	2.70	SCO	Shape changes to oval, new size(s), 130mm high, 180mm wide: Pipe been squashed at bottom on the joint	00:00:12	S19X_207 0d7b8-d2c f-4c01-917	
	3.00	WL	Water level, 5% of the vertical dimension	00:00:15	S19X_b1a a9b77-0b3 2-45b2-93	
	3.80	WL	Water level, 0% of the vertical dimension	00:00:18	S19X_7ea 72eda-0da 7-4549-95	
	6.90	LU	Line deviates up	00:00:31	S19X_711 f6029-df59 -49b7-b19	
	7.50	LD	Line deviates down	00:00:34	S19X_dd9 d0d94-ce8 1-4efb-9e9	
	7.50	JN	Junction at 9 o'clock, diameter: 150mm	00:00:34		
	8.00	S01 DER	Settled deposits, coarse, 10% cross-sectional area loss, start	00:00:37	S19X_19c 7ea18-c9f 5-4cb1-8ef	
	9.90	F01 DER	Settled deposits, coarse, 5% cross-sectional area loss, finish	00:00:47		3
	10.75	JN	Junction at 3 o'clock, diameter: 150mm	00:00:51	S19X_79b d56e4-7b5 9-4091-91	
	12.50	LR	Line deviates right	00:01:01	S19X_21f a4948-da7 8-44f8-b29	
	16.50	GYF	Finish node type, gully, reference number: S19	00:01:22	S19X_f1c9 d01c-bf8b- 4ac8-9bcf-	

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	1.5	4.0	3.0

Section Pictures - 09/04/2021 - S19X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Upstream	S19X		ALS 3816



S19X_2070d7b8-d2cf-4c01-9172-b5b239d22960_20210409_112421_670.jpg, 00:00:12, 2.70 m
Shape changes to oval, new size(s), 130mm high, 180mm wide, Pipe been squashed at bottom on the joint



S19X_b1aa9b77-0b32-45b2-9359-86602c883dd9_20210409_112454_766.jpg, 00:00:15, 3.00 m
Water level, 5% of the vertical dimension



S19X_7ea72eda-0da7-4549-95e6-02b0c66ac28d_20210409_112715_862.jpg, 00:00:18, 3.80 m
Water level, 0% of the vertical dimension



S19X_711f6029-df59-49b7-b19c-adf65fa9dac7_20210409_112757_552.jpg, 00:00:31, 6.90 m
Line deviates up

Section Pictures - 09/04/2021 - S19X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Upstream	S19X		ALS 3816



S19X_dd9d0d94-ce81-4efb-9e94-30d3a27859e2_20210409_112824_126.jpg, 00:00:34, 7.50 m
Line deviates down



S19X_2e24307a-6ed1-441f-9c50-af9d07d74163_20210409_112930_845.jpg, 00:00:34, 7.50 m
Line deviates down



S19X_19c7ea18-c9f5-4cb1-8efc-64b29e25f29c_20210409_113031_413.jpg, 00:00:37, 8.00 m
Settled deposits, coarse, 10% cross-sectional area loss, start



S19X_79bd56e4-7b59-4091-9103-caa22f5ceb1d_20210409_113137_271.jpg, 00:00:51, 10.75 m
Junction at 3 o'clock, diameter: 150mm

Section Pictures - 09/04/2021 - S19X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Upstream	S19X		ALS 3816



S19X_21fa4948-da78-44f8-b296-5c18644e2fec_20210409_1
13231_501.jpg, 00:01:01, 12.50 m
Line deviates right



S19X_f1c9d01c-bf8b-4ac8-9bcf-4b6760874b71_20210409_11
3309_684.jpg, 00:01:22, 16.50 m
Finish node type, gully, reference number: S19

Section Inspection - 09/04/2021 - MH8X

Section 5	Inspection 1	Date 09/04/21	Time 9:36	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR MH8X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:		Inspection Direction: Upstream		Upstream Node: MH8	
Road:		Inspected Length: 12.50 m		Upstream Pipe Depth: 0.980 m	
Location:		Total Length: 12.50 m		Downstream Node: MH3	
Surface Type: Asphalt Highway		Joint Length: 0.00 m		Downstream Pipe Depth: 1.600 m	
Use: Surface water		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 225 mm			
Year Constructed:		Material: Polyvinyl chloride			
Flow Control: No flow control		Lining Type: No Lining			
Inspection Purpose: Routine inspection		Lining Material: No Lining			

Comments:
Recommendations:

Scale: 1:109	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 1.60 m MH3 0.00 0.00 1.80 2.70 12.50 MH8 Depth: 0.98 m						
	0.00	WL	Water level, 0% of the vertical dimension			
	0.00	MH	Start node type, manhole, reference number: MH3	00:00:00		
	1.80	WL	Water level, 5% of the vertical dimension	00:00:18		
	2.70	WL	Water level, 0% of the vertical dimension	00:00:22	MH8X_21 66d7ee-ef 24-43fc-81	
	12.50	WL	Water level, 5% of the vertical dimension	00:01:00		

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	0.0	0	0.0	0.0	0.0	0.0

Section Pictures - 09/04/2021 - MH8X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
5	Upstream	MH8X		ALS 3816



MH8X_2166d7ee-ef24-43fc-8107-9c3dc2aaf9d9_20210409_1
13500_493.jpg, 00:00:22, 2.70 m
Water level, 0% of the vertical dimension

Section Inspection - 09/04/2021 - S11X

Section 6	Inspection 1	Date 09/04/21	Time 9:44	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR S11X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:		Inspection Direction: Upstream		Upstream Node: S11	
Road:		Inspected Length: 11.90 m		Upstream Pipe Depth:	
Location:		Total Length: 11.90 m		Downstream Node: MH3	
Surface Type: Asphalt Highway		Joint Length: 0.00 m		Downstream Pipe Depth: 1.600 m	
Use: Surface water		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 150 mm			
Year Constructed:		Material: Polyvinyl chloride			
Flow Control: No flow control		Lining Type: No Lining			
Inspection Purpose: Routine inspection		Lining Material: No Lining			

Comments:

Recommendations:

Scale: 1:104	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 1.60 m MH3 0.00 0.00 5.70 6.20 11.90 S11 Depth: m						
	0.00	WL	Water level, 0% of the vertical dimension			
	0.00	MH	Start node type, manhole, reference number: MH3	00:00:00		
	5.70	LR	Line deviates right	00:00:31	S11X_aa7 399ee-ac2 e-4dee-b6f	
	6.20	LD	Line deviates down	00:00:32	S11X_f74 460b6-796 b-4a6d-b9f	
	11.90	GYF	Finish node type, gully, reference number: S11	00:00:54	S11X_c50 85f99-47e 5-4918-93	

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	0	0.0	0.0	0.0	1.0

Section Pictures - 09/04/2021 - S11X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
6	Upstream	S11X		ALS 3816



S11X_aa7399ee-ac2e-4dee-b6f6-cfd1c82ae481_20210409_1
15057_980.jpg, 00:00:31, 5.70 m
Line deviates right



S11X_f74460b6-796b-4a6d-b9f2-52fe2d621ad6_20210409_1
15124_147.jpg, 00:00:32, 6.20 m
Line deviates down



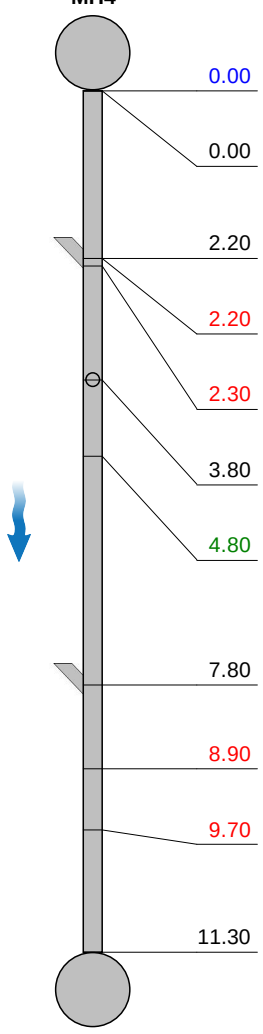
S11X_c5085f99-47e5-4918-93e6-d9c7a5a02d1b_20210409_1
115218_531.jpg, 00:00:54, 11.90 m
Finish node type, gully, reference number: S11

Section Inspection - 09/04/2021 - MH4X

Section 7	Inspection 1	Date 09/04/21	Time 9:45	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR MH4X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:		Inspection Direction: Downstream		Upstream Node: MH4	
Road:		Inspected Length: 11.30 m		Upstream Pipe Depth: 0.300 m	
Location:		Total Length: 11.30 m		Downstream Node: MH5	
Surface Type: Paving Slabs		Joint Length: 0.00 m		Downstream Pipe Depth: 0.660 m	
Use: Combined		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 100 mm			
Year Constructed:		Material: Vitrified clay			
Flow Control: No flow control		Lining Type: No Lining			
Inspection Purpose: Routine inspection		Lining Material: No Lining			

Comments:
Recommendations:

Scale: 1:99	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.30 m MH4 						
	0.00	WL	Water level, 0% of the vertical dimension			
	0.00	MH	Start node type, manhole, reference number: MH4	00:00:00		
	2.20	CN	Connection other than junction at 2 o'clock, diameter: 100mm	00:00:26	MH4X_7cd99c8-6439-4cff-966	
	2.20	HJ	Hole in drain or sewer at joint at 12 o'clock: Hole above connecting pipe.	00:00:27	MH4X_888a0a1b-f5d6-4178-8	4
	2.30	CC	Crack, circumferential from 4 o'clock to 11 o'clock	00:00:26	MH4X_cd588f8e-c44c-4a89-99	2 / 2
	3.80	JN	Junction at 12 o'clock, diameter: 100mm	00:00:33	MH4X_02b55f38-d5c0-4024-9	
	4.80	LR	Line deviates right	00:00:44	MH4X_898e3ae4-a4e6-42f0-a3	
	7.80	JN	Junction at 3 o'clock, diameter: 100mm	00:01:47	MH4X_1121c319-d81f-439c-b0	
	8.90	CC	Crack, circumferential from 12 o'clock to 12 o'clock	00:01:54	MH4X_739ae0a7-c8ac-4b7b-9	2 / 2
	9.70	CCJ	Crack, circumferential at joint from 9 o'clock to 4 o'clock	00:01:58	MH4X_5489f68a-388c-47fa-81	2 / 2
	11.30	MHF	Finish node type, manhole, reference number: 0	00:02:08	MH4X_de56e25f-d53e-44c1-9	
Depth: 0.66 m MH5						

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
4	80.0	50.0	110.0	4.0	3	1.0	1.4	3.0	3.0

Section Pictures - 09/04/2021 - MH4X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
7	Downstream	MH4X		ALS 3816



MH4X_7cdd99c8-6439-4cff-9660-40e9250bf3df_20210409_15415_579.jpg, 00:00:26, 2.20 m
Connection other than junction at 2 o'clock, diameter: 100mm



MH4X_c281e691-c5dd-4067-893f-dc45341f6845_20210409_115448_307.jpg, 00:00:26, 2.20 m
Connection other than junction at 2 o'clock, diameter: 100mm



MH4X_888a0a1b-f5d6-4178-8084-9966d7f5f239_20210409_15543_842.jpg, 00:00:27, 2.20 m
Hole in drain or sewer at joint at 12 o'clock, Hole above connecting pipe.



MH4X_cd588f8e-c44c-4a89-9936-6f002b1aa157_20210409_115614_618.jpg, 00:00:26, 2.30 m
Crack, circumferential from 4 o'clock to 11 o'clock

Section Pictures - 09/04/2021 - MH4X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
7	Downstream	MH4X		ALS 3816



MH4X_02b55f38-d5c0-4024-9a94-641a095bf93a_20210409_115656_235.jpg, 00:00:33, 3.80 m
Junction at 12 o'clock, diameter: 100mm



MH4X_2c47259a-7974-4135-a027-93da851b07c5_20210409_115705_772.jpg, 00:00:33, 3.80 m
Junction at 12 o'clock, diameter: 100mm



MH4X_898e3ae4-a4e6-42f0-a37a-9054f851f5dc_20210409_115725_890.jpg, 00:00:44, 4.80 m
Line deviates right



MH4X_1121c319-d81f-439c-b0c2-1f6b5c487b0b_20210409_115848_979.jpg, 00:01:47, 7.80 m
Junction at 3 o'clock, diameter: 100mm

Section Pictures - 09/04/2021 - MH4X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
7	Downstream	MH4X		ALS 3816



MH4X_739ae0a7-c8ac-4b7b-9a3c-6cac798f8d48_20210409_115924_634.jpg, 00:01:54, 8.90 m
Crack, circumferential from 12 o'clock to 12 o'clock



MH4X_5489f68a-388c-47fa-8197-1a58b960e300_20210409_115957_561.jpg, 00:01:58, 9.70 m
Crack, circumferential at joint from 9 o'clock to 4 o'clock



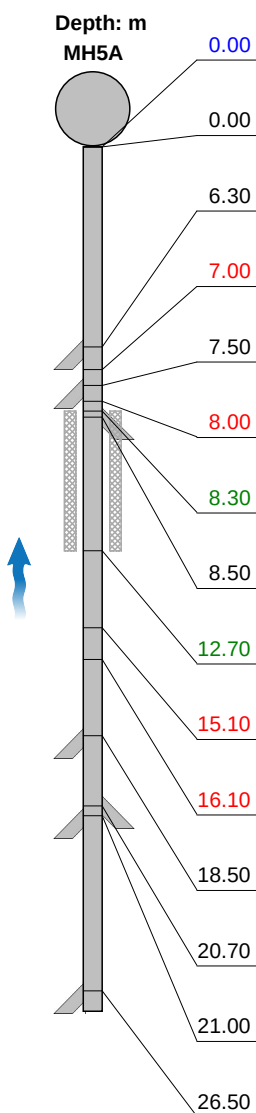
MH4X_de56e25f-d53e-44c1-99e6-f6358562fcc2_20210409_120047_226.jpg, 00:02:08, 11.30 m
Finish node type, manhole, reference number: 0

Section Inspection - 09/04/2021 - MH5X

Section 8	Inspection 1	Date 09/04/21	Time 9:46	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR MH5X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

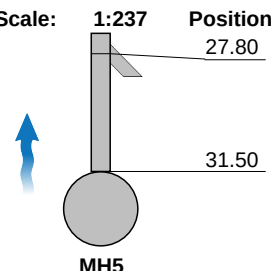
Town or Village:		Inspection Direction: Upstream		Upstream Node: MH5	
Road:		Inspected Length: 31.50 m		Upstream Pipe Depth: 0.680 m	
Location:		Total Length: 31.50 m		Downstream Node: MH5A	
Surface Type: Asphalt Highway		Joint Length: 0.00 m		Downstream Pipe Depth:	
Use: Combined		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 100 mm			
Year Constructed:		Material: Vitrified clay			
Flow Control: No flow control		Lining Type: No Lining			
Inspection Purpose: Routine inspection		Lining Material: No Lining			

Comments:
Recommendations:

Scale: 1:237	Position [m]	Code	Observation	MPEG	Photo	Grade
	Depth: m MH5A					
	0.00	WL	Water level, 0% of the vertical dimension			
	0.00	MH	Start node type, manhole, reference number: MH5A	00:00:00	MH5X_85 7c9a79-cd a8-431f-84	
	6.30	CN	Connection other than junction at 3 o'clock, diameter: 100mm	00:00:44	MH5X_f93 115d9-cea 1-4036-8b	
	7.00	JDM	Joint displaced, medium	00:00:49	MH5X_66c a5f3c-a5b a-4cae-84	1 / 3
	7.50	JN	Junction at 3 o'clock, diameter: 100mm	00:00:52	MH5X_b8 766ae6-63 18-4574-a	
	8.00	JDM	Joint displaced, medium	00:00:56	MH5X_ed 2a13a7-1ff 5-4519-9d	1 / 3
	8.30	S01	DER Settled deposits, coarse, 10% cross-sectional area loss, start	00:00:58	MH5X_38 4328d5-bb af-43b1-b6	
	8.50	JN	Junction at 9 o'clock, diameter: 100mm	00:00:58	MH5X_d1 1b7c41-9c 04-4916-9	
	12.70	F01	DER Settled deposits, coarse, 10% cross-sectional area loss, finish	00:01:40		3
	15.10	CC	Crack, circumferential from 12 o'clock to 12 o'clock	00:02:06	MH5X_32 5b1eac-ae 86-49ed-8	2 / 2
	16.10	JDM	Joint displaced, medium	00:02:21	MH5X_7f0 3486a-89f 9-4ab3-bb	1 / 3
	18.50	JN	Junction at 3 o'clock, diameter: 100mm	00:02:34	MH5X_98f 16bd1-912 f-44fa-8bb	
	20.70	JN	Junction at 9 o'clock, diameter: 100mm	00:02:52	MH5X_bf7 cc711-040 5-4473-80	
	21.00	JN	Junction at 3 o'clock, diameter: 100mm	00:02:57	MH5X_70 d000f5-7d 43-4408-8	
	26.50	JN	Junction at 3 o'clock, diameter: 100mm	00:03:28	MH5X_3d e3c608-3c a9-4df5-82	

Section Inspection - 09/04/2021 - MH5X

Section 8	Inspection 1	Date 09/04/21	Time 9:46	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR MH5X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Scale:	1:237	Position [m]	Code	Observation	MPEG	Photo	Grade
		27.80	JXD	Junction, damaged at 9 o'clock, diameter: 100mm: cracks around junction and surface has broken away at roof of junction.	00:03:40	MH5X_3e 04c64e-b1 fe-4b77-90	
		31.50	MHF	Finish node type, manhole, reference number: MH5	00:04:03	MH5X_c27 7b9ef-993 5-4106-a9	
		MH5		Depth: 0.68 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
4	10.0	0.0	13.0	2.0	5	4.0	0.0	17.0	3.0

Section Pictures - 09/04/2021 - MH5X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Upstream	MH5X		ALS 3816



MH5X_857c9a79-cda8-431f-8440-64e2c46772c0_20210409_120159_034.jpg, 00:00:00, 0.00 m
Start node type, manhole, reference number: MH5A



MH5X_f93115d9-cea1-4036-8b8e-14dbf8a3a84a_20210409_120334_338.jpg, 00:00:44, 6.30 m
Connection other than junction at 3 o'clock, diameter: 100mm



MH5X_66ca5f3c-a5ba-4cae-84ed-91cc88a78fdc_20210409_120404_401.jpg, 00:00:49, 7.00 m
Joint displaced, medium



MH5X_b8766ae6-6318-4574-a299-96e8defb1484_20210409_121004_738.jpg, 00:00:52, 7.50 m
Junction at 3 o'clock, diameter: 100mm

Section Pictures - 09/04/2021 - MH5X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Upstream	MH5X		ALS 3816



MH5X_ed2a13a7-1ff5-4519-9d26-d6a8b7d03c89_20210409_121031_657.jpg, 00:00:56, 8.00 m
Joint displaced, medium



MH5X_384328d5-bbaf-43b1-b6b0-d0c3f9624988_20210409_121516_856.jpg, 00:00:58, 8.30 m
Settled deposits, coarse, 10% cross-sectional area loss, start



MH5X_d11b7c41-9c04-4916-954e-1ee8bb77c292_20210409_121229_612.jpg, 00:00:58, 8.50 m
Junction at 9 o'clock, diameter: 100mm



MH5X_325b1eac-ae86-49ed-895e-ded158ba6d0b_20210409_121752_672.jpg, 00:02:06, 15.10 m
Crack, circumferential from 12 o'clock to 12 o'clock

Section Pictures - 09/04/2021 - MH5X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Upstream	MH5X		ALS 3816



MH5X_7f03486a-89f9-4ab3-bba0-de8f049f1135_20210409_1
21840_128.jpg, 00:02:21, 16.10 m
Joint displaced, medium



MH5X_98f16bd1-912f-44fa-8bb7-95dae7ce9453_20210409_1
21930_336.jpg, 00:02:34, 18.50 m
Junction at 3 o'clock, diameter: 100mm



MH5X_acbd7248-6231-4b46-a672-8c097db1e455_20210409_1
121936_998.jpg, 00:02:34, 18.50 m
Junction at 3 o'clock, diameter: 100mm



MH5X_bf7cc711-0405-4473-80bf-90adac1f197a_20210409_1
22030_112.jpg, 00:02:52, 20.70 m
Junction at 9 o'clock, diameter: 100mm

Section Pictures - 09/04/2021 - MH5X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Upstream	MH5X		ALS 3816



MH5X_70d000f5-7d43-4408-8de3-99c12868eb38_20210409_122110_704.jpg, 00:02:57, 21.00 m
Junction at 3 o'clock, diameter: 100mm



MH5X_3de3c608-3ca9-4df5-82a4-0cbb77bf69d4_20210409_124610_717.jpg, 00:03:28, 26.50 m
Junction at 3 o'clock, diameter: 100mm



MH5X_e8c25c13-a069-4575-8b33-8322c95d3991_20210409_124621_301.jpg, 00:03:28, 26.50 m
Junction at 3 o'clock, diameter: 100mm



MH5X_3e04c64e-b1fe-4b77-907c-be5f65923622_20210409_124842_293.jpg, 00:03:40, 27.80 m
Junction, damaged at 9 o'clock, diameter: 100mm, cracks around junction and surface has broken away at roof of junction.

Section Pictures - 09/04/2021 - MH5X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Upstream	MH5X		ALS 3816



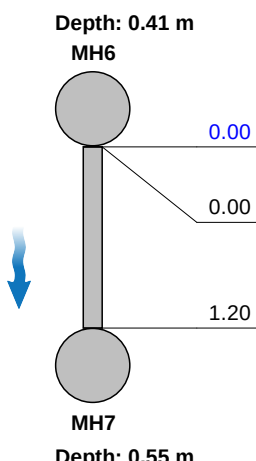
MH5X_c277b9ef-9935-4106-a967-1f7466084c7a_20210409_125028_910.jpg, 00:04:03, 31.50 m
Finish node type, manhole, reference number: MH5

Section Inspection - 09/04/2021 - MH6X

Section 9	Inspection 1	Date 09/04/21	Time 9:52	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR MH6X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:		Inspection Direction: Downstream		Upstream Node: MH6	
Road:		Inspected Length: 1.20 m		Upstream Pipe Depth: 0.410 m	
Location:		Total Length: 1.20 m		Downstream Node: MH7	
Surface Type: Paving Slabs		Joint Length: 0.00 m		Downstream Pipe Depth: 0.550 m	
Use: Combined		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 100 mm			
Year Constructed:		Material: Vitrified clay			
Flow Control: No flow control		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	WL	Water level, 0% of the vertical dimension			
	0.00	MH	Start node type, manhole, reference number: MH6	00:00:00		
	1.20	MHF	Finish node type, manhole, reference number: MH7	00:00:16	MH6X_44 777bc9-d1 f8-48ec-84	

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	0	0.0	0.0	0.0	1.0

Section Pictures - 09/04/2021 - MH6X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
9	Downstream	MH6X		ALS 3816



MH6X_44777bc9-d1f8-48ec-8480-dbaf49b4bfd2_20210409_1
25318_324.jpg, 00:00:16, 1.20 m
Finish node type, manhole, reference number: MH7

Section Inspection - 09/04/2021 - USX

Section 10	Inspection 1	Date 09/04/21	Time 9:56	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR USX
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:		Inspection Direction: Upstream		Upstream Node: US	
Road:		Inspected Length: 1.80 m		Upstream Pipe Depth:	
Location:		Total Length: 1.80 m		Downstream Node: MH6	
Surface Type: Paving Slabs		Joint Length: 0.00 m		Downstream Pipe Depth: 0.410 m	
Use: Combined		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 100 mm			
Year Constructed:		Material: Vitrified clay			
Flow Control: No flow control		Lining Type: No Lining			
Inspection Purpose: Routine inspection		Lining Material: No Lining			

Comments:
Recommendations:

Scale: 1:50 Position [m] Code Observation MPEG Photo Grade

Depth: 0.41 m

MH6



0.00

WL

Water level, 0% of the vertical dimension

0.00

MH

Start node type, manhole, reference number: MH6

00:00:00

1.50

LR

Line deviates right

00:00:21

USX_7a82
8640-c1d6
-4a7a-967

1.80

GYF

Finish node type, gully, reference number: US

00:00:25

USX_efae
770e-45bc
-4fa3-9975

US

Depth: m

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	0	0.0	0.0	0.0	1.0

Section Pictures - 09/04/2021 - USX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
10	Upstream	USX		ALS 3816



USX_7a828640-c1d6-4a7a-9674-9aaeb3a251d0_20210409_1
25454_260.jpg, 00:00:21, 1.50 m
Line deviates right



USX_efae770e-45bc-4fa3-9975-e84f165ecac2_20210409_12
5616_381.jpg, 00:00:25, 1.80 m
Finish node type, gully, reference number: US

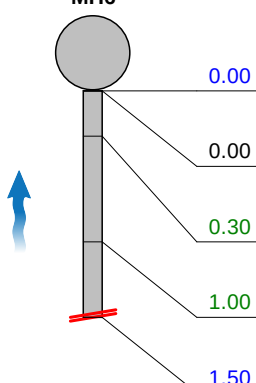
Section Inspection - 09/04/2021 - S1X

Section 11	Inspection 1	Date 09/04/21	Time 10:26	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR S1X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:		Inspection Direction: Upstream		Upstream Node: S1	
Road:		Inspected Length: 1.50 m		Upstream Pipe Depth:	
Location:		Total Length: 1.50 m		Downstream Node: MH6	
Surface Type: Paving Slabs		Joint Length: 0.00 m		Downstream Pipe Depth: 0.350 m	
Use: Combined		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 100 mm			
Year Constructed:		Material: Vitrified clay			
Flow Control: No flow control		Lining Type: No Lining			
Inspection Purpose: Routine inspection		Lining Material: No Lining			

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.35 m MH6 						
	0.00	WL	Water level, 0% of the vertical dimension			
	0.00	MH	Start node type, manhole, reference number: MH6	00:00:00		
	0.30	LL	Line deviates left	00:00:02	S1X_0ecd798d-34c4-490e-b51f	
	1.00	LU	Line deviates up	00:00:10	S1X_19ca1c7e-920f-4f7f-a9b8-	
	1.50	SA	Survey abandoned: End of line in building.	00:00:13	S1X_d1463d36-f64a-4ed6-8c1a	

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 - 09/04/2021 - S1X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
11	Upstream	S1X		ALS 3816



S1X_0ecd798d-34c4-490e-b51f-78300f2b0124_20210409_12
5820_861.jpg, 00:00:02, 0.30 m
Line deviates left



S1X_19ca1c7e-920f-4f7f-a9b8-e17fe0d7bf5c_20210409_1303
25_598.jpg, 00:00:10, 1.00 m
Line deviates up



S1X_d1463d36-f64a-4ed6-8c1a-95be66f60feb_20210409_13
0303_076.jpg, 00:00:13, 1.50 m
Survey abandoned, End of line in building.

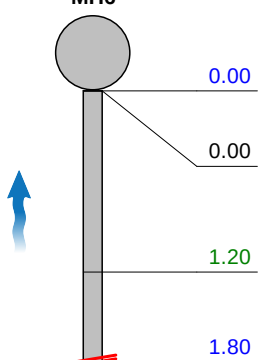
Section Inspection - 09/04/2021 - S2X

Section 12	Inspection 1	Date 09/04/21	Time 10:28	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR S2X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:		Inspection Direction: Upstream		Upstream Node: S2	
Road:		Inspected Length: 1.80 m		Upstream Pipe Depth:	
Location:		Total Length: 1.80 m		Downstream Node: MH6	
Surface Type: Paving Slabs		Joint Length: 0.00 m		Downstream Pipe Depth: 0.300 m	
Use: Combined		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 100 mm			
Year Constructed:		Material: Vitrified clay			
Flow Control: No flow control		Lining Type: No Lining			
Inspection Purpose: Routine inspection		Lining Material: No Lining			

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade																												
Depth: 0.30 m MH6  <table border="1"> <tr> <td>0.00</td><td>WL</td><td>Water level, 0% of the vertical dimension</td><td></td><td></td><td></td><td></td></tr> <tr> <td>0.00</td><td>MH</td><td>Start node type, manhole, reference number: MH6</td><td>00:00:00</td><td></td><td></td><td></td></tr> <tr> <td>1.20</td><td>LU</td><td>Line deviates up</td><td>00:00:13</td><td>S2X_7fb6 2b8d-49c5 -448e-b28</td><td></td><td></td></tr> <tr> <td>1.80</td><td>SA</td><td>Survey abandoned: End of line in building.</td><td>00:00:24</td><td>S2X_9e98 3243-242c -42f5-81ee</td><td></td><td></td></tr> </table>							0.00	WL	Water level, 0% of the vertical dimension					0.00	MH	Start node type, manhole, reference number: MH6	00:00:00				1.20	LU	Line deviates up	00:00:13	S2X_7fb6 2b8d-49c5 -448e-b28			1.80	SA	Survey abandoned: End of line in building.	00:00:24	S2X_9e98 3243-242c -42f5-81ee		
0.00	WL	Water level, 0% of the vertical dimension																																
0.00	MH	Start node type, manhole, reference number: MH6	00:00:00																															
1.20	LU	Line deviates up	00:00:13	S2X_7fb6 2b8d-49c5 -448e-b28																														
1.80	SA	Survey abandoned: End of line in building.	00:00:24	S2X_9e98 3243-242c -42f5-81ee																														

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 - 09/04/2021 - S2X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
12	Upstream	S2X		ALS 3816



S2X_7fb62b8d-49c5-448e-b280-f56655060e90_20210409_13
0642_195.jpg, 00:00:13, 1.20 m
Line deviates up



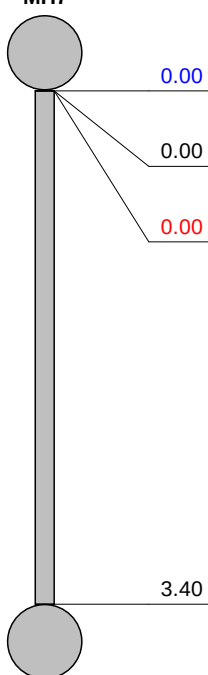
S2X_9e983243-242c-42f5-81ee-73fb63cb095e_20210409_13
0737_883.jpg, 00:00:24, 1.80 m
Survey abandoned, End of line in building.

Section Inspection - 09/04/2021 - MH7X

Section 13	Inspection 1	Date 09/04/21	Time 10:29	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR MH7X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:		Inspection Direction: Downstream		Upstream Node: MH7	
Road:		Inspected Length: 3.40 m		Upstream Pipe Depth: 0.570 m	
Location:		Total Length: 3.40 m		Downstream Node: MH7A	
Surface Type: Paving Slabs		Joint Length: 0.00 m		Downstream Pipe Depth:	
Use: Combined		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 100 mm			
Year Constructed:		Material: Vitrified clay			
Flow Control: No flow control		Lining Type: No Lining			
Inspection Purpose: Routine inspection		Lining Material: No Lining			

Comments:
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.57 m MH7 						
	0.00	WL	Water level, 0% of the vertical dimension			
	0.00	MH	Start node type, manhole, reference number: MH7	00:00:00		
	0.00	CM	Cracks, multiple from 3 o'clock to 9 o'clock	00:00:00	MH7X_b3 d17391-9a c9-4437-a	3 / 2
	3.40	MHF	Finish node type, manhole, reference number: MH7A	00:00:20	MH7X_e3 b41572-4d 52-4222-9	
MH7A Depth: m						

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
1	40.0	11.8	40.0	3.0	1	1.0	0.3	1.0	2.0

Section Pictures - 09/04/2021 - MH7X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
13	Downstream	MH7X		ALS 3816



MH7X_b3d17391-9ac9-4437-ad4c-0bd7297b8cd9_20210409_131057_843.jpg, 00:00:00, 0.00 m
Cracks, multiple from 3 o'clock to 9 o'clock



MH7X_e3b41572-4d52-4222-92fc-d4791c236a15_20210409_131021_411.jpg, 00:00:20, 3.40 m
Finish node type, manhole, reference number: MH7A

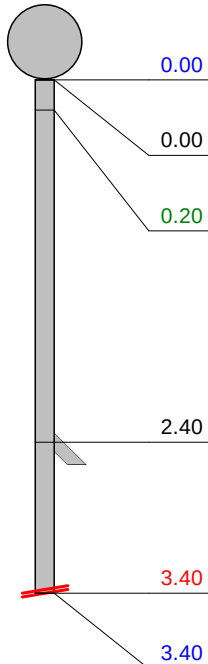
Section Inspection - 09/04/2021 - S3X

Section 14	Inspection 1	Date 09/04/21	Time 10:33	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR S3X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:		Inspection Direction: Upstream		Upstream Node: S3	
Road:		Inspected Length: 3.40 m		Upstream Pipe Depth:	
Location:		Total Length: 3.40 m		Downstream Node: MH7	
Surface Type: Paving Slabs		Joint Length: 0.00 m		Downstream Pipe Depth: 0.470 m	
Use: Combined		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 100 mm			
Year Constructed:		Material: Vitrified clay			
Flow Control: No flow control		Lining Type: No Lining			
Inspection Purpose: Routine inspection		Lining Material: No Lining			

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade																																										
Depth: 0.47 m MH7  <table border="1" style="margin-left: 10px;"> <tr> <td>0.00</td><td>WL</td><td>Water level, 0% of the vertical dimension</td><td></td><td></td><td></td><td></td></tr> <tr> <td>0.00</td><td>MH</td><td>Start node type, manhole, reference number: MH7</td><td>00:00:00</td><td></td><td></td><td></td></tr> <tr> <td>0.20</td><td>LL</td><td>Line deviates left</td><td>00:00:02</td><td>S3X_4ed7c991-3afb-4c49-a974</td><td></td><td></td></tr> <tr> <td>2.40</td><td>JN</td><td>Junction at 9 o'clock, diameter: 100mm</td><td>00:00:18</td><td>S3X_e2d87558-950d-4720-a65</td><td></td><td></td></tr> <tr> <td>3.40</td><td>JDL</td><td>Joint displaced, large</td><td>00:00:21</td><td>S3X_08081d13-713e-4616-839</td><td>1 / 4</td><td></td></tr> <tr> <td>3.40</td><td>SA</td><td>Survey abandoned: Camera cannot pass Large displaced joint.</td><td>00:00:24</td><td></td><td></td><td></td></tr> </table>							0.00	WL	Water level, 0% of the vertical dimension					0.00	MH	Start node type, manhole, reference number: MH7	00:00:00				0.20	LL	Line deviates left	00:00:02	S3X_4ed7c991-3afb-4c49-a974			2.40	JN	Junction at 9 o'clock, diameter: 100mm	00:00:18	S3X_e2d87558-950d-4720-a65			3.40	JDL	Joint displaced, large	00:00:21	S3X_08081d13-713e-4616-839	1 / 4		3.40	SA	Survey abandoned: Camera cannot pass Large displaced joint.	00:00:24			
0.00	WL	Water level, 0% of the vertical dimension																																														
0.00	MH	Start node type, manhole, reference number: MH7	00:00:00																																													
0.20	LL	Line deviates left	00:00:02	S3X_4ed7c991-3afb-4c49-a974																																												
2.40	JN	Junction at 9 o'clock, diameter: 100mm	00:00:18	S3X_e2d87558-950d-4720-a65																																												
3.40	JDL	Joint displaced, large	00:00:21	S3X_08081d13-713e-4616-839	1 / 4																																											
3.40	SA	Survey abandoned: Camera cannot pass Large displaced joint.	00:00:24																																													

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
1	2.0	10.0	2.0	1.0	1	5.0	25.0	5.0	5.0

Section Pictures - 09/04/2021 - S3X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
14	Upstream	S3X		ALS 3816



S3X_4ed7c991-3afb-4c49-a974-1f5c96bc161b_20210409_13
1207_659.jpg, 00:00:02, 0.20 m
Line deviates left



S3X_e2d87558-950d-4720-a65b-363b13c3e288_20210409_1
31250_314.jpg, 00:00:18, 2.40 m
Junction at 9 o'clock, diameter: 100mm



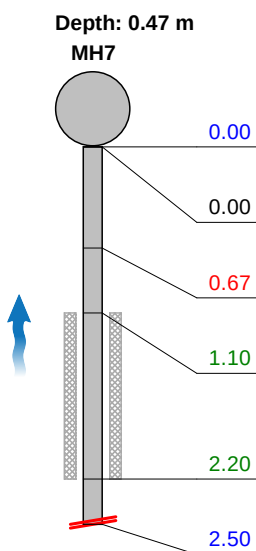
S3X_08081d13-713e-4616-8395-f5720fc488ca_20210409_13
1314_018.jpg, 00:00:21, 3.40 m
Joint displaced, large

Section Inspection - 09/04/2021 - S4X

Section 15	Inspection 1	Date 09/04/21	Time 10:34	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR S4X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:		Inspection Direction: Upstream		Upstream Node: S4	
Road:		Inspected Length: 2.50 m		Upstream Pipe Depth:	
Location:		Total Length: 2.50 m		Downstream Node: MH7	
Surface Type: Paving Slabs		Joint Length: 0.00 m		Downstream Pipe Depth: 0.470 m	
Use: Combined		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 100 mm			
Year Constructed:		Material: Vitrified clay			
Flow Control: No flow control		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	WL	Water level, 0% of the vertical dimension				
0.00	MH	Start node type, manhole, reference number: MH7	00:00:00			
0.67	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock	00:00:05	S4X_6331-30cf-93ca-4fc3-9c14-	2 / 2	
1.10	S01	DER	Settled deposits, coarse, 10% cross-sectional area loss, start	00:00:08	S4X_5506-ed63-ef6f-458f-85c2-	
2.20	F01	DER	Settled deposits, coarse, 10% cross-sectional area loss, finish	00:00:41		3
2.50	SA	Survey abandoned: End of line in building.	00:00:41	S4X_f9f91-9cd-5e90-4493-bac2		

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
1	10.0	16.7	10.0	2.0	2	3.0	8.3	5.0	5.0

Section Pictures - 09/04/2021 - S4X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
15	Upstream	S4X		ALS 3816



S4X_633130cf-93ca-4fc3-9c14-b2304613b7c7_20210409_13
1515_171.jpg, 00:00:05, 0.67 m
Crack, circumferential at joint from 12 o'clock to 12 o'clock



S4X_5506ed63-ef6f-458f-85c2-470b96b1d029_20210409_13
1550_066.jpg, 00:00:08, 1.10 m
Settled deposits, coarse, 10% cross-sectional area loss, start



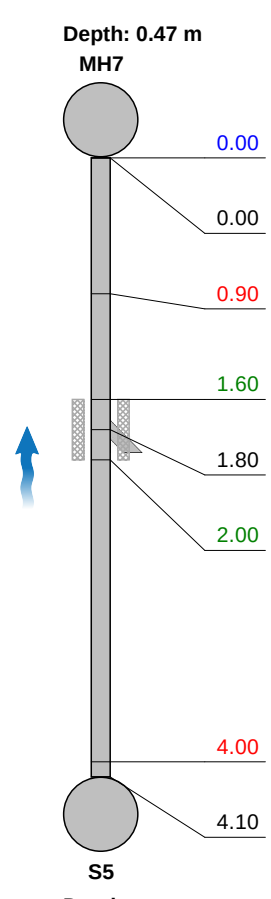
S4X_f9f919cd-5e90-4493-bac2-2d880f9852d1_20210409_13
2126_617.jpg, 00:00:41, 2.50 m
Survey abandoned, End of line in building.

Section Inspection - 09/04/2021 - S5X

Section 16	Inspection 1	Date 09/04/21	Time 10:36	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR S5X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:		Inspection Direction: Upstream		Upstream Node: S5	
Road:		Inspected Length: 4.10 m		Upstream Pipe Depth:	
Location:		Total Length: 4.10 m		Downstream Node: MH7	
Surface Type: Paving Slabs		Joint Length: 0.00 m		Downstream Pipe Depth: 0.470 m	
Use: Combined		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 100 mm			
Year Constructed:		Material: Vitrified clay			
Flow Control: No flow control		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	WL	Water level, 0% of the vertical dimension			
	0.00	MH	Start node type, manhole, reference number: MH7	00:00:00		
	0.90	CCJ	Crack, circumferential at joint from 11 o'clock to 2 o'clock	00:00:07	S5X_1c40c8f5-375d-4011-b65b	2 / 2
	1.60	S01 DER	Settled deposits, coarse, 10% cross-sectional area loss, start	00:00:11	S5X_990815f3-9e2d-435f-86be-	
	1.80	JN	Junction at 11 o'clock, diameter: 100mm	00:00:11	S5X_2742bc33-e987-4a5b-a54	
	2.00	F01 DER	Settled deposits, coarse, 10% cross-sectional area loss, finish	00:00:13	S5X_2d45addb-b2ca-400e-8ee	3
	4.00	JDM	Joint displaced, medium	00:00:28	S5X_7b3c2c66-a94f-4294-b0bc	1 / 3
	4.10	GYF	Finish node type, gully, reference number: S5	00:00:35		

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
2	10.0	12.2	11.0	2.0	3	2.0	5.6	5.0	5.0

Section Pictures - 09/04/2021 - S5X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
16	Upstream	S5X		ALS 3816



S5X_1c40c8f5-375d-4011-b65b-048b5e0933bf_20210409_13
2324_234.jpg, 00:00:07, 0.90 m
Crack, circumferential at joint from 11 o'clock to 2 o'clock



S5X_990815f3-9e2d-435f-86be-476a1ba6b88a_20210409_13
2429_553.jpg, 00:00:11, 1.60 m
Settled deposits, coarse, 10% cross-sectional area loss, start



S5X_2742bc33-e987-4a5b-a546-aa8244d85aa1_20210409_1
32356_896.jpg, 00:00:11, 1.80 m
Junction at 11 o'clock, diameter: 100mm



S5X_2d45addb-b2ca-400e-8ee0-89f7a52ac2d0_20210409_1
32450_858.jpg, 00:00:13, 2.00 m
Settled deposits, coarse, 10% cross-sectional area loss, finish

Section Pictures - 09/04/2021 - S5X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
16	Upstream	S5X		ALS 3816



S5X_7b3c2c66-a94f-4294-b0bc-2bdb9c732503_20210409_13
2526_209.jpg, 00:00:28, 4.00 m
Joint displaced, medium

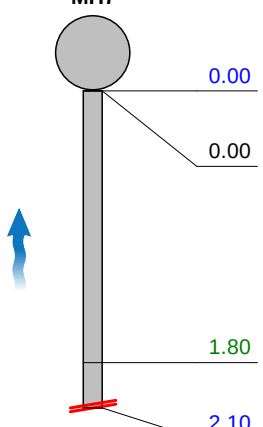
Section Inspection - 09/04/2021 - S6X

Section 17	Inspection 1	Date 09/04/21	Time 10:36	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR S6X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:		Inspection Direction: Upstream		Upstream Node: S6	
Road:		Inspected Length: 2.10 m		Upstream Pipe Depth:	
Location:		Total Length: 2.10 m		Downstream Node: MH7	
Surface Type: Paving Slabs		Joint Length: 0.00 m		Downstream Pipe Depth: 0.470 m	
Use: Combined		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 100 mm			
Year Constructed:		Material: Vitrified clay			
Flow Control: No flow control		Lining Type: No Lining			
Inspection Purpose: Routine inspection		Lining Material: No Lining			

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.47 m MH7 						
0.00	WL	Water level, 0% of the vertical dimension				
0.00	MH	Start node type, manhole, reference number: MH7		00:00:00		
1.80	LU	Line deviates up		00:00:18	S6X_84fb 33d9-67fd- 4f7f-b726-	
2.10	SA	Survey abandoned: End of line in building.		00:00:19	S6X_8a05 4d3d-90ad -4ea2-a2d	

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	0	0.0	0.0	0.0	1.0

Section Pictures - 09/04/2021 - S6X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
17	Upstream	S6X		ALS 3816



S6X_84fb33d9-67fd-4f7f-b726-649c8c28c2d8_20210409_133
009_859.jpg, 00:00:18, 1.80 m
Line deviates up



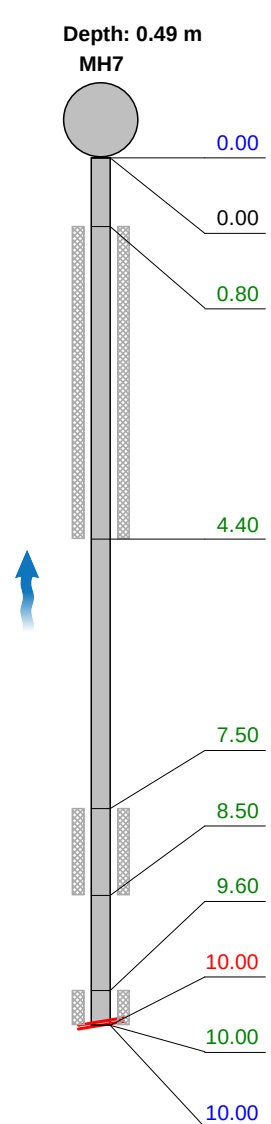
S6X_8a054d3d-90ad-4ea2-a2d0-509a61adccf9_20210409_1
32936_313.jpg, 00:00:19, 2.10 m
Survey abandoned, End of line in building.

Section Inspection - 09/04/2021 - S7X

Section 18	Inspection 1	Date 09/04/21	Time 10:38	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR S7X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:		Inspection Direction: Upstream		Upstream Node: S7	
Road:		Inspected Length: 10.00 m		Upstream Pipe Depth:	
Location:		Total Length: 10.00 m		Downstream Node: MH7	
Surface Type: Paving Slabs		Joint Length: 0.00 m		Downstream Pipe Depth: 0.490 m	
Use: Combined		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 100 mm			
Year Constructed:		Material: Vitrified clay			
Flow Control: No flow control		Lining Type: No Lining			
Inspection Purpose: Routine inspection		Lining Material: No Lining			

Comments:
Recommendations:

Scale: 1:87	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	WL	Water level, 0% of the vertical dimension			
	0.00	MH	Start node type, manhole, reference number: MH7	00:00:00		
	0.80	S01	DER Settled deposits, coarse, 5% cross-sectional area loss, start	00:00:07	S7X_59a4 078a-df71- 4787-89bc	
	4.40	F01	DER Settled deposits, coarse, 5% cross-sectional area loss, finish	00:00:20		3
	7.50	S02	DER Settled deposits, coarse, 5% cross-sectional area loss, start	00:00:30	S7X_9562 6faf-779e- 457a-8c7d	
	8.50	F02	DER Settled deposits, coarse, 5% cross-sectional area loss, finish	00:00:34		3
	9.60	S03	DER Settled deposits, coarse, 5% cross-sectional area loss, start	00:00:39	S7X_af4ce 3c3-fa8c-4 191-8308-	
	10.00	CMJ	Cracks, multiple at joint from 12 o'clock to 12 o'clock	00:00:40	S7X_31a2 0647-ef4e- 4f80-a3ed-	3 / 2
	10.00	F03	DER Settled deposits, coarse, 5% cross-sectional area loss, finish	00:01:27		3
	10.00	SA	Survey abandoned: Debris blocking pipe camera cannot continue.	00:01:27		

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
1	40.0	50.0	40.0	3.0	4	3.0	16.3	13.0	5.0

Section Pictures - 09/04/2021 - S7X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
18	Upstream	S7X		ALS 3816



S7X_59a4078a-df71-4787-89bc-8338e67859ba_20210409_133206_000.jpg, 00:00:07, 0.80 m
Settled deposits, coarse, 5% cross-sectional area loss, start



S7X_95626faf-779e-457a-8c7d-22ee80fa5031_20210409_133340_128.jpg, 00:00:30, 7.50 m
Settled deposits, coarse, 5% cross-sectional area loss, start



S7X_af4ce3c3-fa8c-4191-8308-354cad624a1d_20210409_133458_768.jpg, 00:00:39, 9.60 m
Settled deposits, coarse, 5% cross-sectional area loss, start



S7X_86844c6d-d3c3-4dae-ae76-a470b62a408f_20210409_133525_000.jpg, 00:00:39, 9.60 m
Settled deposits, coarse, 5% cross-sectional area loss, start

Section Pictures - 09/04/2021 - S7X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
18	Upstream	S7X		ALS 3816



S7X_31a20647-ef4e-4f80-a3ed-62e373c3424a_20210409_13
3520_746.jpg, 00:00:40, 10.00 m
Cracks, multiple at joint from 12 o'clock to 12 o'clock

Section Inspection - 09/04/2021 - S9X

Section 20	Inspection 1	Date 09/04/21	Time 10:41	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR S9X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:		Inspection Direction: Upstream		Upstream Node: S9	
Road:		Inspected Length: 2.40 m		Upstream Pipe Depth:	
Location:		Total Length: 2.40 m		Downstream Node: MH8	
Surface Type: Asphalt Highway		Joint Length: 0.00 m		Downstream Pipe Depth: 0.910 m	
Use: Surface water		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 150 mm			
Year Constructed:		Material: Polyvinyl chloride			
Flow Control: No flow control		Lining Type: No Lining			
Inspection Purpose: Routine inspection		Lining Material: No Lining			

Comments:

Recommendations:

Scale: 1:50 Position [m] Code Observation MPEG Photo Grade

Depth: 0.91 m

MH8



0.00

WL

Water level, 0% of the vertical dimension

0.00

MH

Start node type, manhole, reference number: MH8

00:00:00

2.40

GYF

Finish node type, gully, reference number: S9

00:00:19

S9X_c166
9317-3808
-477a-afb2

S9

Depth: m

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	0	0.0	0.0	0.0	1.0

Section Pictures - 09/04/2021 - S9X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
20	Upstream	S9X		ALS 3816



S9X_c1669317-3808-477a-afb2-7840c786f451_20210409_13
4051_258.jpg, 00:00:19, 2.40 m
Finish node type, gully, reference number: S9

Section Inspection - 09/04/2021 - S10X

Section 21	Inspection 1	Date 09/04/21	Time 10:43	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR S10X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:		Inspection Direction: Upstream		Upstream Node: S10	
Road:		Inspected Length: 5.00 m		Upstream Pipe Depth:	
Location:		Total Length: 5.00 m		Downstream Node: MH8	
Surface Type: Asphalt Highway		Joint Length: 0.00 m		Downstream Pipe Depth: 0.910 m	
Use: Combined		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 150 mm			
Year Constructed:		Material: Polyvinyl chloride			
Flow Control: No flow control		Lining Type: No Lining			
Inspection Purpose: Routine inspection		Lining Material: No Lining			

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.91 m MH8 0.00 0.00 3.00 5.00 S10 Depth: m						
	0.00	WL	Water level, 0% of the vertical dimension			
	0.00	MH	Start node type, manhole, reference number: MH8	00:00:00		
	3.00	D	Deformed sewer or drain, 5%: Floor of pipe pushed in.	00:00:15	S10X_a23 7a71e-862 e-4f3e-aa1	1 / 2
	5.00	GYF	Finish node type, gully, reference number: S10	00:00:24	S10X_1ec 06c95-b3f d-4fa9-963	

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
1	0.0	0.0	0.0	1.0	1	1.0	0.3	1.0	2.0

Section Pictures - 09/04/2021 - S10X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
21	Upstream	S10X		ALS 3816



S10X_a237a71e-862e-4f3e-aa15-d3d8db956608_20210409_134349_695.jpg, 00:00:15, 3.00 m
Deformed sewer or drain, 5%, Floor of pipe pushed in.



S10X_1ec06c95-b3fd-4fa9-9632-d8d7eecfb5a1_20210409_134423_767.jpg, 00:00:24, 5.00 m
Finish node type, gully, reference number: S10

Section Inspection - 09/04/2021 - S13X

Section 22	Inspection 1	Date 09/04/21	Time 14:56	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR S13X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:		Inspection Direction: Upstream		Upstream Node: S13	
Road:		Inspected Length: 5.60 m		Upstream Pipe Depth:	
Location:		Total Length: 5.60 m		Downstream Node: MH5	
Surface Type: Paving Slabs		Joint Length: 0.00 m		Downstream Pipe Depth: 0.320 m	
Use: Combined		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 100 mm			
Year Constructed:		Material: Vitrified clay			
Flow Control: No flow control		Lining Type: No Lining			
Inspection Purpose: Routine inspection		Lining Material: No Lining			

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.32 m MH5 0.00 0.00						
	0.00	MH	Start node type, manhole, reference number: MH5	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension	00:00:00		
	4.50	LR	Line deviates right	00:00:21	S13X_dd2 a357b-baf a-4e85-81	
	5.00	LL	Line deviates left	00:00:23	S13X_27b dda10-4cc 5-43d7-81	
	5.60	REM	General remark: End of line in building.	00:00:30		
S13 Depth: m						

Construction Features

Miscellaneous Features

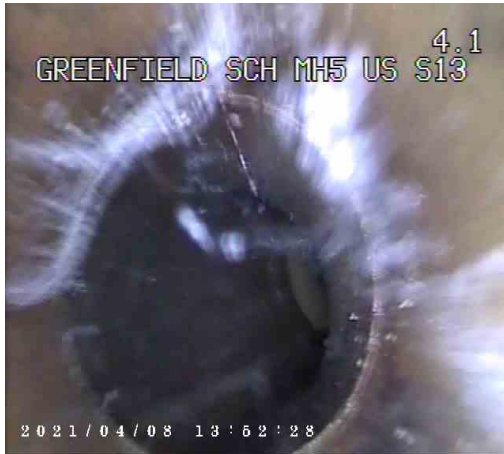
Structural Defects

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	0.0	0	0.0	0.0	0.0	0.0

Section Pictures - 09/04/2021 - S13X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
22	Upstream	S13X		ALS 3816



S13X_dd2a357b-bafa-4e85-81db-428d8884858f_20210409_1
50949_043.jpg, 00:00:21, 4.50 m
Line deviates right



S13X_27bdda10-4cc5-43d7-8140-5413cf6729aa_20210409_1
51022_815.jpg, 00:00:23, 5.00 m
Line deviates left

Section Inspection - 09/04/2021 - S14X

Section 23	Inspection 1	Date 09/04/21	Time 14:57	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR S14X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:		Inspection Direction: Upstream		Upstream Node: S14	
Road:		Inspected Length: 2.60 m		Upstream Pipe Depth:	
Location:		Total Length: 2.60 m		Downstream Node: MH5	
Surface Type: Paving Slabs		Joint Length: 0.00 m		Downstream Pipe Depth: 0.530 m	
Use: Combined		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 100 mm			
Year Constructed:		Material: Vitrified clay			
Flow Control: No flow control		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	WL	Water level, 0% of the vertical dimension			
	0.00	MH	Start node type, manhole, reference number: MH5	00:00:00		
	0.80	S01	DER Settled deposits, coarse, 5% cross-sectional area loss, start	00:00:06	S14X_64b 2182a-139 7-4ba6-b8	
	1.70	H	Hole in drain or sewer from 11 o'clock to 1 o'clock	00:00:17	S14X_8eb 29e50-fc9 4-4eee-95f	4
	2.60	F01	DER Settled deposits, coarse, 5% cross-sectional area loss, finish	00:00:39		3
	2.60	GYF	Finish node type, gully, reference number: S14	00:00:39		

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
1	80.0	0.0	80.0	4.0	1	2.0	0.0	4.0	3.0

Section Pictures - 09/04/2021 - S14X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
23	Upstream	S14X		ALS 3816



S14X_64b2182a-1397-4ba6-b866-a1851ed92341_20210409_151635_286.jpg, 00:00:06, 0.80 m
Settled deposits, coarse, 5% cross-sectional area loss, start



S14X_8eb29e50-fc94-4eee-95f4-6c47882edeb4_20210409_151906_833.jpg, 00:00:17, 1.70 m
Hole in drain or sewer from 11 o'clock to 1 o'clock

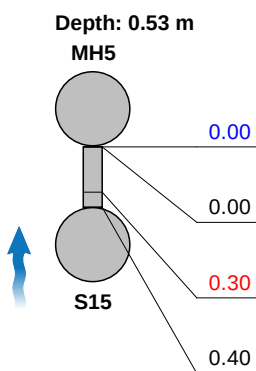
Section Inspection - 09/04/2021 - S15X

Section 24	Inspection 1	Date 09/04/21	Time 14:58	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR S15X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:		Inspection Direction: Upstream		Upstream Node: S15	
Road:		Inspected Length: 0.40 m		Upstream Pipe Depth:	
Location:		Total Length: 0.40 m		Downstream Node: MH5	
Surface Type: Paving Slabs		Joint Length: 0.00 m		Downstream Pipe Depth: 0.530 m	
Use: Combined		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 100 mm			
Year Constructed:		Material: Vitrified clay			
Flow Control: No flow control		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	WL	Water level, 0% of the vertical dimension			
	0.00	MH	Start node type, manhole, reference number: MH5	00:00:00		
	0.30	CC	Crack, circumferential from 9 o'clock to 2 o'clock	00:00:11	S15X_c11 3b6bd-6e6 c-495a-98	2 / 2
	0.40	GYF	Finish node type, gully, reference number: S15	00:00:18		

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
1	10.0	33.3	10.0	2.0	1	1.0	3.3	1.0	4.0

Section Pictures - 09/04/2021 - S15X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
24	Upstream	S15X		ALS 3816



S15X_c113b6bd-6e6c-495a-9882-878ab48ba0b2_20210409_152006_206.jpg, 00:00:11, 0.30 m
Crack, circumferential from 9 o'clock to 2 o'clock

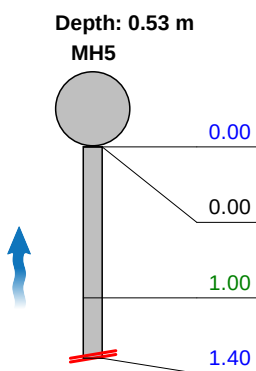
Section Inspection - 09/04/2021 - S16X

Section 25	Inspection 1	Date 09/04/21	Time 14:58	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR S16X
Operator HB		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:		Inspection Direction: Upstream		Upstream Node: S16	
Road:		Inspected Length: 1.40 m		Upstream Pipe Depth:	
Location:		Total Length: 1.40 m		Downstream Node: MH5	
Surface Type: Paving Slabs		Joint Length: 0.00 m		Downstream Pipe Depth: 0.530 m	
Use: Combined		Pipe Shape: Circular			
Type of Pipe: Gravity drain/sewer		Dia/Height: 100 mm			
Year Constructed:		Material: Vitrified clay			
Flow Control: No flow control		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	WL	Water level, 0% of the vertical dimension			
	0.00	MH	Start node type, manhole, reference number: MH5	00:00:00		
	1.00	LU	Line deviates up	00:00:06	S16X_001 3b286-9fe 8-4e66-b9	
	1.40	SA	Survey abandoned: End of line in building	00:00:14	S16X_1de 308cd-0bd 9-40b1-af5	

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 - 09/04/2021 - S16X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
25	Upstream	S16X		ALS 3816



S16X_0013b286-9fe8-4e66-b95c-abf64ac29ad9_20210409_1
52159_933.jpg, 00:00:06, 1.00 m
Line deviates up



S16X_1de308cd-0bd9-40b1-af55-92919569234e_20210409_
152236_813.jpg, 00:00:14, 1.40 m
Survey abandoned, End of line in building



S16X_a93acb7b-ae4f-4e0e-a6d8-b49a16f0670c_20210409_1
52242_349.jpg, 00:00:14, 1.40 m
Survey abandoned, End of line in building